ARCADIS U.S., Inc.
1114 Benfield Boulevard
Suite A
Millersville
Maryland 21108
Tel 410.987.0032
Fax 410.987.4392
www.arcadis-us.com

ENVIRONMENT

Ms. Jeannette DeBartolomeo
Oil Control Program
Maryland Department of Environment
1800 Washington Boulevard
Baltimore, MD 21230

Subject:
Second Quarter 2015 Groundwater Monitoring Report and Attenuation Analysis
Former Exxon Facility #14489
285 Old Bayview Road
North East, Cecil County, Maryland
MDE Case No. 1986-1205-CE

Date:
25 August 2015

Contact:
Hillary Goodell

Phone:
919-415-2268

Email:
hillary.goodell@arcadis-us.com

Our ref:
B0085851.0010

Dear Ms. DeBartolomeo:

ARCADIS U.S. (ARCADIS), on behalf of ExxonMobil Environmental Services Company (EMES) on behalf ExxonMobil Corporation (ExxonMobil), is pleased to submit the Groundwater Monitoring Report (GMR) for activities performed during Second Quarter 2015 at the Inactive Exxon Station #14489, located at 285 Old Bayview Road, North East, Maryland.

Please contact Hillary Goodell of ARCADIS at (919) 415-2268 if you have any questions regarding the information contained in this report.

Sincerely,

ARCADIS U.S., Inc.

Sarah Matteson	William R. Kahl, PG	Hillary Goodell
Geologist II	Project Geologist	Associate Project Manager

Copies:
Mr. Mike Meola, ExxonMobil

Second Quarter 2015 Groundwater Monitoring Report
Former Exxon Facility #14489, 285 Old Bayview Road, North East, MD

Regulatory Information

Regulatory Agency:	Maryland Department of the Environment (MDE)
MDE Case Number:	1986-1205-CE
Agency Contact:	Ms. Jeannette DeBartolomeo
Current Case Status:	Quarterly groundwater monitoring and sampling
Reporting Period:	1 April 2015 through 30 June 2015
Last Report:	First Quarter 2015 Groundwater Monitoring Report, April 2015

General Site Information

ExxonMobil Contact:	Mr. Mike Meola
Consultant Contact:	Ms. Hillary Goodell
Facility Status:	Former retail service station currently operated as an automotive repair facility
Area Property Use:	See local area map (**Figure 1**)
Monitoring Wells:	MW-1A, MW-2A, MW-3A, MW-5A, MW-8, and MW-10 through MW-16 (**Figure 2**)
Injection Wells:	INJ-1, INJ-2, and INJ-3 (**Figure 2**)
Site Geology:	Micaceous clay and silt with sand and gravel

Activities Completed this Period

25 June 2015 – Groundwater Gauging and Sampling

Wells Gauged and Sampled:	MW-1A, MW-2A, MW-3A, MW-5A, MW-8, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, and MW-16.
Well Gauged Only:	INJ-1, INJ-2, and INJ-3
Liquid Phase Hydrocarbon:	None Detected
Minimum/Maximum Depth to Water:	2.09 feet (MW-3A) / 7.31 feet (MW-12)
Groundwater Flow Direction:	Southwest

Groundwater samples were collected on 25 June 2015 and submitted to TestAmerica Laboratories of Nashville, Tennessee for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, and fuel oxygenates using Environmental Protection Agency (EPA) Method 8260B and for biogeochemical parameters including sulfate (Method 9056A), nitrate (Method 353.2), and dissolved and total iron (Method 6010B). Monitoring well gauging and sampling data are summarized on **Table 1** and depicted on **Figure 3**. No liquid phase hydrocarbon (LPH) was detected during this reporting period. Quality Assurance/Quality Control (QA/QC) samples collected included a duplicate sample (collected from MW-1A), daily rinsate blanks, and trip blanks. The TestAmerica laboratory groundwater analytical reports are attached as **Appendix A**.

25 June 2015 – Potable Well Sampling

The potable well and POET system at 259 Old Bayview Road and the potable well at 261 Old Bayview Road were sampled on 25 June 2015. Results are summarized on **Table 2** and were submitted to the property owners under separate cover.

Groundwater Sampling Results

Benzene, toluene, ethylbenzene, methyl tertiary butyl ether (MTBE), and naphthalene were detected at concentrations exceeding MDE Groundwater (GW) Clean-up Standards at one or more wells:

- Benzene was detected at concentrations exceeding the MDE GW standard (5 µg/L) in three samples (MW-1A, MW-2A, and MW-5A) with a maximum concentration of 147 µg/L in the sample collected from MW-2A.

- Toluene was detected at concentrations exceeding the MDE GW standard (1,000 µg/L) in the sample collected from MW-1A with a concentration of 1,500 µg/L.

- Ethylbenzene was detected at concentrations exceeding the MDE GW standard (700 µg/L) in three samples (MW-1A, MW-2A and MW-5A) with a maximum concentration of 991 µg/L in the sample collected from MW-2A.

- MTBE was detected at concentrations exceeding the MDE GW standard (20 µg/L) in the sample collected from MW-2A with a concentration of 82.0 µg/L.

- Naphthalene was detected at concentrations exceeding the MDE GW standard (0.65 µg/L) in four samples (MW-1A, MW 2A, MW-5A, and MW-11) with a maximum concentration of 196 µg/L in the sample collected from MW-2A.

Activities Planned for Next Period (Third Quarter 2015)

Activities proposed for the Third Quarter 2015 include quarterly groundwater gauging and sampling. Groundwater samples will be collected from wells MW-1A, MW-2A, MW-3A, MW-5A, MW-8, and MW-10 through MW-16 and analyzed for full list volatile organic compounds (VOCs) and fuel oxygenates using Environmental Protection Agency (EPA) Method 8260B, sulfate (Method 9056A), nitrate (Method 353.2), and dissolved and total iron (Method 6010B). Field parameters, such as dissolved oxygen and pH, will be recorded as part of the standard sampling protocol. Potable wells will continue to be sampled at 259 and 261 Old Bayview Road properties.

Tables and Figures

Table 1: Groundwater Monitoring and Analytical Data
Table 2: Potable Water Monitoring and Analytical Data
Figure 1: Local Area Map
Figure 2: Site Map
Figure 3: Groundwater Elevation Contours and Analytical Data (25 June 2015)

Appendices

Appendix A: TestAmerica Laboratory Analytical Reports (9 -13 July 2015)

ARCADIS

Tables

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data															Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate (mg/L)**	**Total Metals (mg/L)**	**Dissolved Metals (mg/L)**	**Nitrate / Nitrite (mg/L)**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	--	
MW-1A	6/1/2005	97.65	5.23	ND	ND	92.42	**560**	**5,770**	**2,360**	8,970	17,660	**156**	<500	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	97.65	6.77	ND	ND	90.88	**252**	**2,410**	**2,560**	7,500	12,722	**149**	<500	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	97.65	6.82	ND	ND	90.83	**97.7**	**1,260**	**1,720**	4,870	7,948	**114**	<500	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	97.65	5.38	ND	ND	92.27	**116**	703	**1,130**	2,880	4,829	**112**	92.2 J	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	97.65	6.15	ND	ND	91.50	**145**	**1,750**	**1,020**	3,220	6,135	**53.3**	<250	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	97.65	7.02	ND	ND	90.63	**212**	**3,730**	**2,380**	8,180	14,502	**133**	<500	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	97.65	4.94	ND	ND	92.71	**216**	**3,280**	**2,270**	7,550	13,316	**510**	<630	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	97.65	6.10	ND	ND	91.55	**201**	**2,970**	**1,520**	5,380	10,071	**593**	<500	<100	<100	<100	**378**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	97.65	7.12	ND	ND	90.53	**151**	**2,300**	**1,410**	4,460	8,321	**561**	<500	<100	<100	59.2 J	**345**	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	97.65	7.12	ND	ND	90.53	**150**	**2,330**	**1,860**	6,030	10,370	**398**	<630	<130	<130	58.9 J	**497**	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	97.65	5.35	ND	ND	92.30	**185**	**2,720**	**1,510**	5,440	9,855	**307**	<500	<100	<100	<100	**375**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	97.65	5.08	ND	ND	92.57	**148**	**2,700**	**1,790**	6,230	10,868	**269**	<630	<130	<130	44.0 J	**402**	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	97.65	6.35	ND	ND	91.30	**101**	**1,460**	**730**	2,760	5,051	**151**	<250	<50	<50	20.1 J	**235**	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	97.65	4.80	ND	ND	92.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	97.65	5.25	ND	ND	92.40	**62.8**	873	**1,080**	2,830	4,846	**143**	<250	<50	<50	17.2 J	**263**	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	97.65	4.57	ND	ND	93.08	**162**	**2,430**	**1,350**	4,170	8,112	**139**	<250	<50	<50	24.0 J	**355**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	97.65	4.21	ND	ND	93.44	**204**	**3,100**	**1,610**	5,510	10,424	**117**	<630	<130	<130	<130	**369**	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	97.65	6.74	ND	ND	90.91	**197**	**2,900**	**1,340**	4,780	9,217	**108**	<630	<130	<130	31.4 J	**225**	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	97.65	6.55	ND	ND	91.10	**51.2**	**1,190**	**1,100**	3,530	5,871	**54.6**	<130	<25	<25	9.0 J	**277**	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	97.65	4.89	ND	ND	92.76	**60.2**	**1,220**	**1,120**	4,440	6,840	**33.8**	40.4	<1	<1	<1	**218**	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	97.65	4.82	ND	ND	92.83	**101**	**1,340**	584	2,140	4,165	**28.2**	<20	<1	<1	7.47	**244**	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	97.65	6.48	ND	ND	91.17	**117**	**2,450**	**1,140**	3,970	7,677	**24.4**	<20	<1	<1	<1	**234**	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	97.65	5.41	ND	ND	92.24	**57.6**	**1,610**	**1,030**	3,660	6,357.6	**21**	19.1	<1	<1	4.27	**198**	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	97.65	5.03	ND	ND	92.62	**67.5**	**1,490**	**956**	3,210	5,724	13.8	<10	<1	<1	<1	**187**	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	97.65	6.83	ND	ND	90.82	**76.7**	**1,910**	**976**	4,140	7,103	13.6	<50	<5	<5	<5	**155**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	97.65	8.31	ND	ND	89.34	**66 [64]**	**2,180 [2,210]**	**1,080 [1,030]**	3,950 [3,700]	7,276 [7,004]	17.7 [<1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	**182 [192]**	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	97.65	8.98	ND	ND	88.67	**41.9**	**1,230**	**1,010**	3,860	6,141.9	**29.1**	11.8	<2	<1	5.72	**249**	NS	NS	NS	NS	--	--	--	--	--	
	2/22/2013	97.65	5.50	ND	ND	92.15	**63.2**	**1,620**	**1,340**	4,290	7,313	<1	<10	<2	<1	<1	**256**	NS	NS	NS	NS	6.42	0.236	12.22	0.69	-38	
	5/1/2013	97.65	5.21	ND	ND	92.44	**81.3 [77.8]**	**2,130 [1,950]**	**1,290 [1,210]**	4,820 [4,510]	8,321.3 [7,747.8]	6.88 [<1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [2.59]	**262 [255]**	NS	NS	NS	NS	6.15	0.226	14.17	0.25	-27.2	
	8/6/2013	97.65	4.68	ND	ND	92.97	**92.3 [91.1]**	**1,880 [1,940]**	**973 [1,010]**	3,340 [3,400]	6,285.3 [6,441.1]	6.25 [6.21]	<10 [<10]	<2 [<2]	<1 [<1]	19.3 [<1]	**276 [279]**	NS	NS	NS	NS	5.85	0.232	17.26	1.49	81.9	
	10/3/2013	97.65	5.85	ND	ND	91.80	**90.2 [90.6]**	**1,890 [1,870]**	**925 [925]**	4,010 [4,070]	6,915.2 [6,955.6]	7.44 [7.74]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	**251 [254]**	NS	NS	NS	NS	5.48	0.239	19.48	0.82	30.4	
	3/6/2014	97.65	4.25	ND	ND	93.40	**47.6 [54.6]**	**1,060 [1,120]**	**689 [731]**	2,740 [2,810]	4,536.6 [4,715.6]	4.70 [4.58]	10.4 [14.3]	<2 [<2]	<1 [<1]	1.61 [1.30]	**161 [179]**	NS	NS	NS	NS	6.26	0.228	13.22	4.08	-54.2	
	6/12/2014	97.65	4.54	ND	ND	93.11	**69.8 [70.6]**	**2,060 [1,760]**	**974 [967]**	4,050 [3,430]	7,153.8 [6,227.6]	<10 [<10]	<100 [<100]	<20 [<20]	<10 [<10]	<10 [<10]	**182 [218]**	NS	NS	NS	NS	6.00	0.216	14.73	0.33	-10.6	
	9/19/2014	97.65	7.27	ND	ND	90.38	**49.5 [51.0]**	**1,460 [1,580]**	**874 [882]**	3,300 [3,460]	5,683.5 [5,973]	<10 [<10]	<100 [<100]	<20 [<20]	<10 [<10]	<10 [<10]	**378 [264]**	<1 [<1]	5.85 [5.35]	4.19 [4.30]	<0.1 [<0.1]	6.06	0.172	18.81	0.28	-139.1	
	11/13/2014	97.65	6.09	ND	ND	91.56	**10.7 [14.3]**	405 [459]	355 [374]	1,400 [1,520]	2,170.7 [2,367.3]	<1 [<1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	**54.0 [61.6]**	<1 [<1]	4.41 [4.47]	3.63 [3.58]	<0.1 [<0.1]	6.10	0.227	19.22	3.04	-17.6	
	3/25/2015	97.65	4.38	ND	ND	93.27	**33.4 [32.9]**	743 [762]	517 [539]	2,450 [2,520]	3,743.4 [3,853.9]	<1 [2.34]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	**133 [133]**	<1 [<1]	9.47 [8.89]	1.11 [0.884]	<0.1 [<0.1]	6.03	0.247	11.98	1.06	-61.3	
	6/25/2015	97.65	4.41	ND	ND	93.24	**53.2 [54.4]**	**1,500 [1,510]**	**714 [724]**	3,180 [3,240]	5,447.2 [5,528.4]	2.31 [2.35]	14.3 [12.6]	<2 [<2]	<1 [<1]	<1 [<1]	**153 [157]**	<1 [<1]	4.94 [5.43]	3.24 [2.43]	<0.1 [<0.1]	6.04	0.263	17.09	1.19	-44.0	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data														Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate**	**Total Metals**	**Dissolved Metals**	**Nitrate/Nitrite**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	
MW-2A	6/1/2005	97.10	4.74	ND	ND	92.36	**1,740**	595	**2,590**	9,200	14,125	**829**	<500	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	97.10	5.65	ND	ND	91.45	**1,580**	**2,440**	**2,660**	9,530	16,210	**670**	<630	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	97.10	5.71	ND	ND	91.39	**1,570**	**4,950**	**2,790**	9,990	19,300	**599**	<630	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	97.10	4.35	ND	ND	92.75	**964**	**3,090**	**2,550**	8,730	15,334	**413**	189 J	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	97.10	5.26	ND	ND	91.84	**456**	788	**2,290**	7,470	11,004	**198**	<250	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	97.10	5.77	ND	ND	91.33	**216**	157	569	1,830	2,772	**86.4**	30.0 J	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	97.10	4.73	ND	ND	92.37	**747**	529	**1,900**	3,920	7,096	**568**	256 J	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	97.10	5.66	ND	ND	91.44	**379**	**4,610**	**2,160**	8,620	15,769	**457**	<630	<130	<130	<130	**462**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	97.10	5.57	ND	ND	91.53	**489**	**4,240**	**3,310**	8,760	16,799	**531**	<630	<130	<130	46.4 J	**652**	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	97.10	5.64	5.63	0.01	91.47	**817**	308	**1,770**	5,450	8,345	**624**	<250	<50	<50	55.6	**405**	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	97.10	4.90	ND	ND	92.20	**567**	**1,220**	**1,330**	4,140	7,257	**680**	215 J	<50	<50	51.6	**306**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	97.10	1.82	ND	ND	95.28	**452**	**4,520**	**1,860**	7,870	14,702	**516**	<630	<130	<130	64.0 J	**299**	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	97.10	5.37	ND	ND	91.73	**191**	**1,830**	**1,270**	4,250	7,541	**341**	<250	<50	<50	38.1 J	**316**	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	97.10	3.93	ND	ND	93.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	97.10	4.51	ND	ND	92.59	**266**	656	**2,530**	7,620	11,072	**371**	<500	<100	<100	48.5 J	**360**	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	97.10	4.36	ND	ND	92.74	**699**	231	**2,340**	4,360	7,630	**532**	<500	<100	<100	55.2 J	**402**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	97.10	4.04	ND	ND	93.06	**858**	**1,070**	**1,720**	2,690	6,338	**538**	156 J	<50	<50	43.4 J	**325**	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	97.10	5.10	ND	ND	92.00	**544**	865	**1,590**	5,010	8,009	**430**	<250	<50	<50	54.8	**262**	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	97.10	5.51	ND	ND	91.59	**220**	367	**2,140**	3,980	5,807	**169**	<130	<25	<25	20.2	**223**	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	97.10	4.20	ND	ND	92.90	**147**	702	**1,290**	4,920	7,059	**151**	<20	<1	<1	18.4	**232**	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	97.10	4.40	ND	ND	92.70	**373**	**1,530**	**1,300**	4,050	7,253	**274**	<20	1.07	<1	23.8	**222**	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	97.10	5.45	ND	ND	91.65	**316**	850	**1,460**	4,690	7,316	**207**	<200	<10	<10	16.4	**243**	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	97.10	4.30	ND	ND	92.80	**309**	466	**1,240**	4,070	6,085	**171**	38.8	<1	<1	16.6	**200**	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	97.10	4.73	ND	ND	92.37	**154**	570	**1,280**	3,580	5,584	**115**	<10	<1	<1	10.4	**201**	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	97.10	5.79	ND	ND	91.31	**216**	443	**1,550**	4,280	6,489	**131**	<50	<5	<5	11.9	**197**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	97.10	6.61	ND	ND	90.49	**221**	512	**1,220**	3,820	5,773	**138**	<10	<2	<1	13.5	**252**	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	97.10	6.93	ND	ND	90.17	**311**	754	**1,000**	3,990	6,055	**179**	41.3	<2	<1	17.3	**187**	NS	NS	NS	NS	--	--	--	--	--	
	2/22/2013	97.10	4.58	ND	ND	92.52	**128**	858	**1,350**	3,930	6,266	**73.4**	<10	<2	<1	8.71	**181**	NS	NS	NS	NS	6.49	0.360	12.81	3.42	-49	
	5/1/2013	97.10	4.77	ND	ND	92.33	**153**	901	**1,220**	4,170	6,444	**101**	<10	<2	<1	10.3	**199**	NS	NS	NS	NS	6.49	0.328	14.52	0.29	-100.9	
	8/6/2013	97.10	4.18	ND	ND	92.92	**199**	651	**918**	2,510	4,278	**117**	<10	<2	<1	31.9	**179**	NS	NS	NS	NS	6.24	0.349	17.34	0.48	9.8	
	10/3/2013	97.10	4.86	ND	ND	92.24	**259**	**1,080**	**1,210**	4,380	6,929	**133**	<10	<2	<1	11.3	**266**	NS	NS	NS	NS	6.22	0.328	20.25	0.24	-63.4	
	3/6/2014	97.10	3.96	ND	ND	93.14	**124**	372	**1,160**	2,830	4,486	**73.6**	22.2	<2	<1	7.44	**280**	NS	NS	NS	NS	6.71	0.334	11.24	4.37	-95.8	
	6/12/2014	97.10	3.90	ND	ND	93.20	**153**	547	**1,590**	4,190	6,480	**81.4**	<100	<20	<10	<10	**280**	NS	NS	NS	NS	6.37	0.338	15.45	0.31	-66.5	
	9/19/2014	97.10	5.62	ND	ND	91.48	**174**	630	**1,590**	4,450	6,844	**82.1**	<100	<20	<10	<10	**386**	1.76	41.0	5.08	<0.1	6.33	0.319	20.17	0.70	-106.3	
	11/13/2014	97.10	5.16	ND	ND	91.94	**163**	297	**977**	2,670	4,107	**90.8**	21.4	<2	<1	7.78	**128**	<1	14.1	5.07	<0.1	6.46	0.369	18.97	3.17	-77.4	
	3/25/2015	97.10	4.10	ND	ND	93.00	**117**	387	**1,420**	2,870	4,794	**56.2**	<10	<2	<1	5.30	**174**	<1	9.94	1.08	<0.1	6.37	0.315	9.53	2.29	-37.4	
	6/25/2015	97.10	3.92	ND	ND	93.18	**147**	415	**991**	2,450	4,003	**82.0**	31.5	<2	<1	<1	**196**	9,990	11.6	1.46	<0.1	6.28	0.291	20.30	1.59	-52.3	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data														Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate**	**Total Metals**	**Dissolved Metals**	**Nitrate/Nitrite**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	
MW-3A	6/1/2005	96.99	2.71	ND	ND	94.28	**6.7**	18	31	108	163	19.8	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	96.99	4.55	ND	ND	92.44	**92.0**	23.3	99.9	128	343	**353**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	96.99	2.72	ND	ND	94.27	<1	1.1	5.7	19	26	**47.1**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	96.99	2.06	ND	ND	94.93	3.4	15.2	36.6	126	181	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	96.99	2.45	ND	ND	94.54	**278**	111	325	991	1,705	**17900**	<1,300	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	96.99	2.25	ND	ND	94.74	<1	<1	<1	<1	BRL	**23.2**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	96.99	2.41	ND	ND	94.58	0.32 J	7.5	14.8	57	79.2 J	0.64 J	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	96.99	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	Not accessible
	8/14/2008	96.99	5.57	ND	ND	91.42	<1	<1	<1	<1	BRL	3.7	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	96.99	2.21	ND	ND	94.78	<1	<1	<1	<1	BRL	0.60 J	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	96.99	2.75	ND	ND	94.24	**28.0**	13.7	2.8	6	50	**67.2**	26.0	<5	<5	2.7 J	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	96.99	1.30	ND	ND	95.69	**9.6**	7.6	1.8	4	23	**37.2**	21.2 J	<5	<5	1.2 J	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	96.99	2.83	ND	ND	94.16	0.25 J	<1	<1	<1	0.25 J	1.4	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	96.99	2.10	ND	ND	94.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	96.99	1.90	ND	ND	95.09	<1	<1	<1	<1	BRL	3.6	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	96.99	2.45	ND	ND	94.54	<1	<1	<1	<1	BRL	**18.9**	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	96.99	2.26	ND	ND	94.73	**23.8**	14.2	5.2	9	52	**20.9**	7.5 J	<5	<5	0.98 J	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	96.99	2.85	ND	ND	94.14	<1	<1	<1	<1	BRL	10.2	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	96.99	4.75	ND	ND	92.24	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	96.99	2.14	ND	ND	94.85	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	96.99	2.53	ND	ND	94.46	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	96.99	5.76	ND	ND	91.23	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	96.99	2.35	ND	ND	94.64	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	96.99	2.71	ND	ND	94.28	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	96.99	3.30	ND	ND	93.69	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL [BRL]	<1 [<1]	<10 [<10]	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	96.99	7.62	ND	ND	89.37	<1	<1	<1	<3	BRL	8.07	<10	<2	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	96.99	8.63	ND	ND	88.36	**8.24**	<1	<1	<3	8.24	**33.4**	14.1	<2	<1	1.12	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/22/2013	96.99	2.48	ND	ND	94.51	1.31	<1	<1	<3	1.31	1.37	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.91	0.535	13.68	4.10	152	
	5/1/2013	96.99	4.36	ND	ND	92.63	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.79	0.437	14.45	2.39	125.8	
	8/6/2013	96.99	2.26	ND	ND	94.73	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.68	0.345	16.84	5.07	273.5	
	10/3/2013	96.99	2.72	ND	ND	94.27	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	4.96	0.309	18.66	0.45	24.7	
	3/6/2014	96.99	2.46	ND	ND	94.53	<1	<1	1.41	4.29	5.70	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	7.34	0.269	14.17	8.89	42.7	
	6/12/2014	96.99	2.42	ND	ND	94.57	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.59	0.351	15.14	4.28	56.5	
	9/19/2014	96.99	6.08	ND	ND	90.91	<1	<1	<1	<2	BRL	1.16	<10	<2	<1	<1	<5	38.4	0.855	<0.1	0.246	6.49	0.295	17.48	1.02	93.6	
	11/13/2014	96.99	2.53	ND	ND	94.46	<1	<1	2.49	7.05	9.54	<1	<10	<2	<1	<1	<5	43.6	0.217	<0.1	1.34	6.93	0.293	18.72	6.00	-13.7	
	3/25/2015	96.99	2.31	ND	ND	94.68	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	22.0	1.10	<0.1	1.20	7.04	0.357	11.53	7.77	205.9	
	6/25/2015	96.99	2.09	ND	ND	94.90	1.26	<1	<1	<3	1.26	1.75	<10	<2	<1	<1	<5	116	0.736	<0.1	0.722	6.78	0.537	18.47	3.81	99.5	
MW-4	6/1/2005	97.26	2.55	ND	ND	94.71	**6.9**	3.8	4.7	10.8	26.2	13.8	ND(25)	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/7/2005	97.26	2.77	ND	ND	94.49	2.9	0.81 J	7.6	5.7	17.0 J	5.3	ND(25)	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/24/2006	97.26	2.82	ND	ND	94.44	0.38 J	4.0	16.9	48.1	69.4 J	11.8	ND(25)	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	97.26	2.48	ND	ND	94.78	2.1	2.4	9.3	31.8	45.6	**291**	ND(25)	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2007	97.26	2.73	ND	ND	94.53	**22.9**	30.8	21.8	81.1	156.6	**934**	ND(100)	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/11/2007	97.26	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Monitoring well destroyed.

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data															Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate**	**Total Metals**	**Dissolved Metals**	**Nitrate/Nitrite**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	
MW-5A	6/1/2005	95.02	2.40	ND	ND	92.62	**132**	**1,360**	**1,670**	7,270	10,432	<10	<250	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	95.02	3.25	ND	ND	91.77	**58.2**	230	**1130**	3,420	4,838	<10	<250	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	95.02	3.72	ND	ND	91.30	**22.4**	144	661	1,840	2,667	<5	<130	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	95.02	2.09	ND	ND	92.93	**136**	868	**1,370**	4,780	7,154	<5	<130	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	95.02	5.35	ND	ND	89.67	**49.7**	460	**929**	2,750	4,189	<5	<130	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	95.02	3.63	ND	ND	91.39	**20.1**	62.3	**831**	2,520	3,433	<10	<250	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	95.02	2.60	ND	ND	92.42	**56.2**	306	**855**	1,940	3,157	<5	<130	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	95.02	4.04	ND	ND	90.98	**38.5**	251	**920**	3,200	4,410	<10	<250	<50	<50	<50	**246**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	95.02	4.32	ND	ND	90.70	**26.0**	139	**766**	2,910	3,841	<5	<130	<25	<25	<25	**242**	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	95.02	2.42	ND	ND	92.60	**111**	856	**1,180**	4,070	6,217	<20	<500	<100	<100	<100	**362**	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	95.02	2.48	ND	ND	92.54	**76.0**	900	**1,170**	4,510	6,656	<10	<250	<50	<50	<50	**347**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	95.02	4.76	ND	ND	90.26	**29.9**	236	574	1,920	2,760	<5	<130	<25	<25	<25	**176**	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	95.02	2.87	ND	ND	92.15	**17.3**	108	488	1,570	2,183	<5	<130	<25	<25	<25	**169**	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	95.02	2.57	ND	ND	92.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	95.02	2.06	ND	ND	92.96	**41.3**	207	**876**	2,800	3,924	<10	<250	<50	<50	<50	**251**	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	95.02	1.10	ND	ND	93.92	**54.6**	609	**1,050**	3,800	5,514	<10	<250	<50	<50	<50	**269**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	95.02	1.44	ND	ND	93.58	**89.3**	942	**1,230**	4,710	6,971	<5	<130	<25	<25	<25	**295**	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	95.02	3.87	ND	ND	91.15	**45.6**	306	**1,030**	3,600	4,982	<10	<250	<50	<50	<50	**239**	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	95.02	3.53	ND	ND	91.49	**86.0**	531	**1,210**	4,070	5,897	<10	<250	<50	<50	<50	**294**	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	95.02	2.41	ND	ND	92.61	**32.1**	168	**841**	2,250	3,291.1	<1	<20	<1	<1	<1	**227**	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	95.02	2.59	ND	ND	92.43	**14.1**	162	555	1,730	2,461.1	<1	<20	<1	<1	<1	**148**	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	95.02	3.92	ND	ND	91.10	**35.5**	323	**898**	2,530	3,786.5	<1	<20	<1	<1	<1	**267**	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	95.02	2.18	ND	ND	92.84	**49.1**	324	**887**	2,700	3,960.1	<1	<10	<1	<1	<1	**248**	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	95.02	2.08	ND	ND	92.94	**34.3**	425	**1,070**	3,320	4,849	<1	<10	<1	<1	<1	**244**	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	95.02	3.41	ND	ND	91.61	**20.5**	239	**805**	2,530	3594.5	<5	<50	<5	<5	<5	**157**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	95.02	6.23	ND	ND	88.79	**21.5**	165	**726**	2,130	3,042.5	<1	<10	<2	<1	<1	**189**	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	95.02	7.23	ND	ND	87.79	**27.4 [26.1]**	152 [147]	**819 [845]**	2,460 [2,510]	3,508.4 [3,528.1]	<1 [<1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	**250 [232]**	NS	NS	NS	NS	--	--	--	--	--	
	2/22/2013	95.02	2.75	ND	ND	92.27	**21.1**	124	**901**	2,570	3,616.1	<1	<10	<2	<1	<1	**181**	NS	NS	NS	NS	6.01	1.11	14.99	3.26	21	
	5/1/2013	95.02	3.09	ND	ND	91.93	**21.1**	193	**747**	2,460	3,421.1	<1	<10	<2	<1	<1	**197**	NS	NS	NS	NS	5.91	0.716	15.26	0.21	-3.7	
	8/6/2013	95.02	2.24	ND	ND	92.78	**36.2**	230	**722**	2,170	3,158.2	<1	<10	<2	<1	<1	**237**	NS	NS	NS	NS	5.73	0.938	17.72	3.07	41.9	
	10/3/2013	95.02	2.79	ND	ND	92.23	**38.6**	242	**813**	2,300	3,393.6	<1	<10	<2	<1	<1	**266**	NS	NS	NS	NS	5.55	0.605	18.95	0.55	45.9	
	3/6/2014	95.02	1.60	ND	ND	93.42	**24.3**	240	**892**	2,720	3,876.3	<1	<10	<2	<1	<1	**321**	NS	NS	NS	NS	6.13	2.081	14.72	2.93	-53.4	
	6/12/2014	95.02	2.03	ND	ND	92.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Inaccessible
	9/19/2014	95.02	4.32	ND	ND	90.70	**24.2**	164	**864**	2,380	3,432.2	<10	<100	<20	<10	<10	**313**	<1	8.21	6.39	<0.1	5.68	0.452	20.96	0.25	-53.0	
	11/13/2014	95.02	3.33	ND	ND	91.69	**7.93**	42.6	558	1,530	2,138.53	<1	<10	<2	<1	<1	**87.4**	1.73	15.2	2.02	<0.1	6.19	0.708	18.52	4.87	-25.8	
	3/25/2015	95.02	1.89	ND	ND	93.13	**15.4**	157	**744**	2,260	3,176.4	<1	<10	<2	<1	<1	**145**	18.9	29.9	16.5	<0.1	5.91	7.116	13.36	1.32	-123.3	
	6/25/2015	95.02	2.13	ND	ND	92.89	**18.9**	139	**728**	1,900	2,785.9	<1	<10	<2	<1	<1	**191**	<1	17.8	9.50	0.310	5.78	2.245	13.07	1.41	-7.2	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data															Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate**	**Total Metals**	**Dissolved Metals**	**Nitrate/Nitrite**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*--*	*--*	*--*	*--*	*0.65*	*--*	*2,600*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	
MW-8	12/7/2005	97.04	2.56	ND	ND	94.48	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	97.04	2.61	ND	ND	94.43	<1	2.0	10.3	34	46	**24.3**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	97.04	2.27	ND	ND	94.77	<1	4.1	13.9	49	67	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	97.04	2.53	ND	ND	94.51	**104**	27.7	130	644	906	**8870**	<500	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	97.04	2.28	ND	ND	94.76	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	97.04	2.46	ND	ND	94.58	<1	0.3 J	0.7 J	2	2.9 J	18.9	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	97.04	2.92	ND	ND	94.12	<1	<1	<1	<1	BRL	13.5	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	97.04	3.02	ND	ND	94.02	<1	<1	<1	<1	BRL	1.6	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	97.04	2.30	ND	ND	94.74	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	97.04	2.67	ND	ND	94.37	0.34 J	<1	<1	<1	0.34 J	**86.2**	13.8 J	<5	<5	0.84 J	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	97.04	1.90	ND	ND	95.14	0.58 J	<1	<1	<1	0.58 J	**52.3**	86.4	<5	<5	0.95 J	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	97.04	2.55	ND	ND	94.49	0.91 J	9.2	3.3	10	23.0 J	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	97.04	3.00	ND	ND	94.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	97.04	4.65	ND	ND	92.39	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	97.04	2.59	ND	ND	94.45	2.2	<1	1.3	0.95 J	4.5 J	**71.8**	<25	<5	<5	3.8 J	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	97.04	2.46	ND	ND	94.58	0.28 J	<1	<1	<1	0.28 J	18.5	20.5 J	<5	<5	0.71 J	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	97.04	2.65	ND	ND	94.39	<1	<1	<1	<1	BRL	0.62 J	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	97.04	2.90	ND	ND	94.14	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	97.04	2.01	ND	ND	95.03	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	97.04	2.53	ND	ND	94.51	<1	<1	<1	<3	BRL	2.76	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	97.04	4.65	ND	ND	92.39	<1	11.5	15	56.3	82.8	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	97.04	2.59	ND	ND	94.45	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL	1.32 [1.45]	<10 [<10]	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	97.04	2.81	ND	ND	94.23	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL [BRL]	3.46 [3.86]	<10 [<10]	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	97.04	2.85	ND	ND	94.19	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	97.04	3.34	ND	ND	93.70	1.32	<1	<1	<3	1.32	7.33	<10	<2	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	97.04	5.65	ND	ND	91.39	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/22/2013	97.04	2.51	ND	ND	94.53	<1	<1	<1	<3	BRL	1.01	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.91	0.665	7.57	8.55	189	
	5/1/2013	97.04	2.82	ND	ND	94.22	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	7.10	0.346	13.93	5.03	83.0	
	8/6/2013	97.04	2.35	ND	ND	94.69	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	7.02	0.361	27.41	5.58	170.7	
	10/3/2013	97.04	2.74	ND	ND	94.30	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.78	0.386	24.39	1.14	21.9	
	3/6/2014	97.04	2.46	ND	ND	94.58	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	7.35	0.256	7.11	11.27	22.2	
	6/12/2014	97.04	2.47	ND	ND	94.57	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.90	0.327	23.30	4.98	47.9	
	9/19/2014	97.04	4.92	ND	ND	92.12	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	59.5	4.86	<0.1	0.705	7.02	0.328	23.35	1.34	91.4	
	11/13/2014	97.04	2.61	ND	ND	94.43	<1	<1	<1	2.02	2.02	<1	<10	<2	<1	<1	<5	39.6	0.655	<0.1	1.52	7.03	0.264	18.97	7.81	68.5	
	3/25/2015	97.04	2.40	ND	ND	94.64	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	37.3	0.813	<0.1	1.59	7.16	0.281	9.04	8.42	218.1	
	6/25/2015	97.04	2.26	ND	ND	94.78	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	60.6	<0.1	<0.1	1.48	6.83	0.417	26.89	4.62	132.5	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data															Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate**	**Total Metals**	**Dissolved Metals**	**Nitrate/Nitrite**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	
MW-10	6/1/2005	93.35	3.82	ND	ND	89.53	**9**	1	4	7	21	9.3	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	93.35	4.51	ND	ND	88.84	**24.7**	0.38 J	26.8	8	59.4 J	19.6	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	93.35	4.67	ND	ND	88.68	**13.3**	0.52 J	5.8	4	23.6 J	**45.7**	25.3	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	93.35	4.04	ND	ND	89.31	**11.2**	38.1	83.9	266	399	**164**	127	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	93.35	4.54	ND	ND	88.81	**18.9**	7.4	20.1	46	93	**42.5**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	93.35	3.73	ND	ND	89.62	0.85 J	2.6	10.1	28	41.1 J	**22.5**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	93.35	4.10	ND	ND	89.25	0.39 J	3.4	7.9	21	32.3 J	6.7	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	93.35	4.40	ND	ND	88.95	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	93.35	4.75	ND	ND	88.60	<1	<1	<1	0.45 J	0.45 J	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	93.35	4.56	ND	ND	88.79	3.6	<1	2.0	<1	6	11.6	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	93.35	4.27	ND	ND	89.08	<1	<1	<1	<1	BRL	3.0	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	93.35	2.72	ND	ND	90.63	<1	<1	<1	<1	BRL	1.4	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	93.35	4.31	ND	ND	89.04	<1	0.65 J	0.30 J	0.69 J	1.64 J	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	93.35	3.87	ND	ND	89.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	93.35	3.33	ND	ND	90.02	<1	<1	<1	<1	BRL	0.40 J	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	93.35	3.41	ND	ND	89.94	0.30 J	<1	<1	<1	0.30 J	2.7	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	93.35	2.94	ND	ND	90.41	<1	0.40 J	1.2	4	5.8 J	0.57 J	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	93.35	4.41	ND	ND	88.94	<1	0.58 J	0.61 J	2	3.2 J	1.6	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	93.35	4.71	ND	ND	88.64	5	0.82 J	13.5	5	24.2 J	**40.3**	30.4	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	93.35	3.96	ND	ND	89.39	<1	<1	<1	<3	BRL	1.37	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	93.35	3.55	ND	ND	89.80	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	93.35	4.40	ND	ND	88.95	<1	<1	<1	<3	BRL	15.4	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	93.35	4.07	ND	ND	89.28	<1	<1	<1	<3	BRL	19.3	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	93.35	4.10	ND	ND	89.25	<1	<1	<1	<3	BRL	2.49	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	93.35	4.76	ND	ND	88.59	<1	<1	<1	<3	BRL	17	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	93.35	4.15	ND	ND	89.20	<1	<1	1.07	<3	1.07	**27.3**	28.7	<2	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	93.35	4.35	ND	ND	89.00	<1	<1	<1	<3	BRL	10.5	<10	<2	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/22/2013	93.35	4.35	ND	ND	89.00	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.70	2.82	9.32	3.09	133	
	5/1/2013	93.35	4.01	ND	ND	89.34	<1	<1	<1	<3	BRL	1.53	26.6	<2	<1	<1	<5	NS	NS	NS	NS	6.09	4.805	12.34	1.95	89.6	
	8/6/2013	93.35	3.42	ND	ND	89.93	<1	<1	<1	<2	BRL	5.31	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.98	1.692	21.05	0.59	72.0	
	10/3/2013	93.35	4.09	ND	ND	89.26	<1	<1	<1	<2	BRL	1.96	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.20	1.502	21.89	0.21	-3.1	
	3/6/2014	93.35	2.99	ND	ND	90.36	<1	<1	<1	<3	BRL	1.12	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.89	23.39	8.39	2.63	221.0	
	6/12/2014	93.35	2.81	ND	ND	90.54	1.03	<1	<1	<2	1.03	5.08	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.43	6.873	18.67	0.66	120.7	
	9/19/2014	93.35	4.31	ND	ND	89.04	1.25	<1	<1	<2	1.25	5.19	<10	<2	<1	<1	<5	1,030	4.97	1.82	<0.1	6.21	3.952	21.29	0.51	-5.6	
	11/13/2014	93.35	4.54	ND	ND	88.81	<1	<1	<1	<2	BRL	3.79	<10	<2	<1	<1	<5	41.1	2.13	0.470	0.301	6.36	1.508	17.53	2.05	33.4	
	3/25/2015	93.35	3.16	ND	ND	90.19	<1	<1	<1	<2	BRL	1.89	<10	<2	<1	<1	<5	55.7	2.74	<0.1	0.614	6.16	16.98	6.92	3.80	152.8	
	6/25/2015	93.35	3.38	ND	ND	89.97	<1	<1	<1	<3	BRL	2.94	<10	<2	<1	<1	<5	21.9	1.40	0.595	0.121	6.31	4.989	15.87	1.72	47.6	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data														Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate**	**Total Metals**	**Dissolved Metals**	**Nitrate/Nitrite**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*--*	*--*	*--*	*--*	*0.65*	*--*	*2,600*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	
MW-11	6/1/2005	96.64	7.84	ND	ND	88.80	**461**	**1,410**	**1,690**	5,380	8,941	**748**	185	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	96.64	8.48	ND	ND	88.16	**504**	488	**839**	2,500	4,331	**614**	<130	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	96.64	8.52	ND	ND	88.12	**270**	317	**729**	1,920	3,236	**422**	<130	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	96.64	6.10	ND	ND	90.54	**148**	117	463	921	1,649	**206**	55.8	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	96.64	8.16	ND	ND	88.48	**102**	64.0	341	423	930	**185**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	96.64	9.15	ND	ND	87.49	**275**	307	**833**	2,060	3,475	**328**	<250	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	96.64	6.07	ND	ND	90.57	**135**	117	443	1,160	1,855	**289**	69.3 J	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	96.64	7.96	ND	ND	88.68	**14.0**	12.4	12.7	159	198	**65.4**	<25	<5	<5	4.2 J	**19.0**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	96.64	7.78	ND	ND	88.86	3.0	0.42 J	0.96 J	6	10.5 J	**36.7**	<25	<5	<5	0.92 J	**2.1 J**	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	96.64	9.18	ND	ND	87.46	**131**	89.5	**738**	1,570	2,529	**214**	<130	<25	<25	<25	**212**	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	96.64	6.87	ND	ND	89.77	**65.8**	63.1	333	781	1,243	**149**	34.8	<5	<5	10.7	**87.3**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	96.64	5.68	ND	ND	90.96	**60.6**	48.9	360	758	1,228	**142**	34.5 J	<13	<13	10.9 J	**84.9**	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	96.64	8.45	ND	ND	88.19	**60.4**	47.0	521	523	1,151	**169**	<50	<10	<10	11.9	**118**	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	96.64	6.73	ND	ND	89.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	96.64	6.23	ND	ND	90.41	<1	<1	<1	<1	BRL	16.1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	96.64	5.22	ND	ND	91.42	**8.9**	4.5	70.9	95	180	19.2	<25	<5	<5	1.4 J	**16.0**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	96.64	4.93	ND	ND	91.71	**29.6**	11.3	198	241	480	**76.1**	16.2 J	<5	<5	4.5 J	**51.8**	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	96.64	9.31	ND	ND	87.33	**78.7**	64.2	**884**	1,210	2,237	**206**	<63	<13	<13	17.4	**213**	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	96.64	8.85	ND	ND	87.79	**103**	65.4	422	566	1,156	**176**	30.8	<5	<5	11.8	**143**	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	96.64	5.96	ND	ND	90.68	**4.64**	4	47	66	121	12.8	<20	<1	<1	<1	**9.29**	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	96.64	5.99	ND	ND	90.65	**16.4**	12	126	203	357	**41.7**	<20	<1	<1	<1	**35.2**	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	96.64	8.58	ND	ND	88.06	**51.6**	37.8	432	487	1,008.4	**120**	<20	<1	<1	8.06	**87.5**	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	96.64	6.36	ND	ND	90.28	**15.6**	12	158	218	403.6	**36.4**	<10	<1	<1	2.31	**44.8**	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	96.64	5.96	ND	ND	90.68	**9.95**	10.4	143	228	391	**26**	<10	<1	<1	<1	**41.5**	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	96.64	9.10	ND	ND	87.54	**31.4**	17	291	404	743.4	**87.4**	13.3	<1	<1	6.17	**65.9**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	96.64	10.51	ND	ND	86.13	**71.2**	56.8	**848**	1,270	2,246.0	**142**	<10	<2	<1	9.86	**157**	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	96.64	10.82	ND	ND	85.82	**103**	72.9	667	967	1,809.9	**148**	32.7	<2	<1	12.1	**193**	NS	NS	NS	NS	--	--	--	--	--	
	2/22/2013	96.64	6.40	ND	ND	90.24	**8.17 [10.2]**	4.39 [6.51]	92.7 [129]	70.3 [125]	175.56 [270.71]	<1 [14.1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [1.1]	**24.6 [9.39]**	NS	NS	NS	NS	6.20	0.202	12.31	1.87	42	
	5/1/2013	96.64	6.63	ND	ND	90.01	**15.9**	15.6	251	455	737.5	**52.4**	<10	<2	<1	3.87	**76**	NS	NS	NS	NS	5.70	0.221	13.28	0.74	58.3	
	8/6/2013	96.64	5.23	ND	ND	91.41	2.91	<1	15	7.81	25.72	8.31	<10	<2	<1	<1	**16.3**	NS	NS	NS	NS	5.85	0.176	19.14	1.75	100.2	
	10/3/2013	96.64	6.88	ND	ND	89.76	**6.65**	1.89	70.8	36.4	115.74	**21.0**	<10	<2	<1	1.56	**42.2**	NS	NS	NS	NS	5.72	0.177	21.03	1.00	67.0	
	3/6/2014	96.64	4.42	ND	ND	92.22	<1	1.05	3.85	7.92	12.82	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.02	2.082	11.57	6.02	39.6	
	6/12/2014	96.64	5.34	ND	ND	91.30	1.10	1.33	15.2	13.2	30.83	3.44	<10	<2	<1	<1	**7.40**	NS	NS	NS	NS	6.14	0.593	16.43	4.01	86.4	
	9/19/2014	96.64	9.59	ND	ND	87.05	**12.1**	9.91	210	244	476.01	**39.1**	<10	<2	<1	3.63	**77.8**	6.27	9.72	7.01	<0.1	5.89	0.626	19.45	0.37	-138.4	
	11/13/2014	96.64	8.39	ND	ND	88.25	**13.8**	11.8	304	328	657.6	**46.5**	<10	<2	<1	3.72	**36.1**	7.16	76.3	1.20	<0.1	5.97	0.352	18.68	4.29	18.4	
	3/25/2015	96.64	4.65	ND	ND	91.99	1.06	1.34	36.6	23.3	62.3	2.52	<10	<2	<1	<1	**11.2**	4.81	12.7	2.99	0.319	5.92	0.257	10.20	4.77	45.6	
	6/25/2015	96.64	4.91	ND	ND	91.73	1.09	1.36	12.9	15.6	31.0	3.87	<10	<2	<1	<1	**8.86**	6.85	10.1	3.57	2.26	5.91	0.240	18.52	4.78	88.7	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data															Field Parameters					
Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Naph-thalene (µg/L)	Sulfate	Total Metals	Dissolved Metals	Nitrate/Nitrite	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Comments
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	
MW-12	6/1/2005	100.00	10.50	ND	ND	89.50	3.6	<2	<2	<2	3.6	**283**	<50	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	100.00	12.65	ND	ND	87.35	0.45 J	<1	0.72 J	1.3	2.5 J	**135**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	100.00	13.16	ND	ND	86.84	4.0	25.1	31.7	101	162	**198**	<50	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	100.00	8.19	ND	ND	91.81	1.2	7.6	26.9	75.0	110.7	**161**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	100.00	12.97	ND	ND	87.03	1.8	7.3	15.4	48.6	73.1	**224**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	100.00	15.78	ND	ND	84.22	<1	0.92 J	16.6	56.3	73.8 J	**25.7**	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	100.00	7.98	ND	ND	92.02	0.84 J	0.38 J	1.3	4.1	6.6 J	**144**	11.2 J	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	100.00	12.35	ND	ND	87.65	0.85 J	<1	<1	<1	0.85 J	**153**	9.8 J	<5	<5	27.4	**1.4 J**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	100.00	13.85	ND	ND	86.15	<1	<1	<1	<1	BRL	**126**	<25	<5	<5	21.6	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	100.00	14.53	ND	ND	85.47	<1	<1	<1	<1	BRL	**56.0**	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	100.00	9.07	ND	ND	90.93	0.31 J	<1	0.31 J	0.81 J	1.43 J	**114**	<25	<5	<5	14.3	**1.4 J**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	100.00	8.62	ND	ND	91.38	<1	<1	<1	<1	BRL	**96.7**	13.2 J	<5	<5	16.6	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	100.00	13.86	ND	ND	86.14	<1	1.5	0.61 J	1.6	3.7 J	**96.7**	<25	<5	<5	18.0	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	100.00	10.90	ND	ND	89.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	100.00	8.54	ND	ND	91.46	<1	<1	<1	<1	BRL	**38.8**	<25	<5	<5	4.9 J	<5	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	100.00	7.36	ND	ND	92.64	0.32 J	<1	<1	<1	0.32 J	**90.4**	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	100.00	7.39	ND	ND	92.61	1.4	<1	0.86 J	0.64 J	2.9 J	**80.9**	9.5 J	<5	<5	13.2	**2.6 J**	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	100.00	15.90	ND	ND	84.10	<1	1.1	1.3	5.0	7.4	**53.0**	<25	<5	<5	13.1	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	100.00	14.50	ND	ND	85.50	<1	<1	0.42 J	1.4	1.8 J	19.1	<25	<5	<5	3.2 J	<5	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	100.00	7.72	ND	ND	92.28	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL	**36.8 [35.5]**	<20 [<20]	<1 [<1]	<1 [<1]	6.32 [5.99]	<5 [<5]	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	100.00	8.63	ND	ND	91.37	<1 [<1]	<1 [<1]	1.15 [1.02]	<3 [<3]	BRL	**60.9 [54.1]**	<20 [<20]	<1 [<1]	<1 [<1]	<1 [10.6]	**5.01 [<5]**	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	100.00	14.09	ND	ND	85.91	<1	<1	<1	<3	BRL	**37**	<20	<1	<1	6.78	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	100.00	8.48	ND	ND	91.52	<1	1.62	<1	<3	1.62	**28.9**	<10	<1	<1	4.82	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	100.00	8.33	ND	ND	91.67	<1	<1	<1	<3	BRL	**43.9**	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	100.00	14.55	ND	ND	85.45	<1	<1	<1	<3	BRL	**27.1**	<10	<1	<1	4.11	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	100.00	17.95	ND	ND	82.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	insufficient volume for sample
	10/4/2012	100.00	dry	ND	ND	>100.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	insufficient volume for sample
	2/22/2013	100.00	8.42	ND	ND	91.58	<1	<1	<1	<3	BRL	9.48	<10	<2	<1	1.41	<5	NS	NS	NS	NS	5.48	0.668	12.76	0.55	148	
	5/1/2013	100.00	9.13	ND	ND	90.87	<1	<1	<1	<3	BRL	**27.4**	<10	<2	<1	5.24	<5	NS	NS	NS	NS	4.73	0.485	13.33	0.84	159.4	
	8/6/2013	100.00	7.25	ND	ND	92.75	<1	<1	<1	<2	BRL	16.7	<10	<2	<1	3.06	<5	NS	NS	NS	NS	4.82	0.394	16.42	0.45	162.1	
	10/3/2013	100.00	9.83	ND	ND	90.17	<1	<1	<1	<2	BRL	13.7	<10	<2	<1	<1	<5	NS	NS	NS	NS	4.75	0.287	18.58	0.11	132.8	
	3/6/2014	100.00	6.91	ND	ND	93.09	<1	<1	<1	<3	BRL	15.2	<10	<2	<1	2.46	<5	NS	NS	NS	NS	4.68	0.543	12.61	0.39	230.1	
	6/12/2014	100.00	8.38	ND	ND	91.62	<1	<1	<1	<2	BRL	9.81	<10	<2	<1	1.86	<5	NS	NS	NS	NS	4.85	0.348	13.60	0.58	170.1	
	9/19/2014	100.00	16.21	ND	ND	83.79	<1	<1	<1	<2	BRL	7.25	<10	<2	<1	1.16	<5	21.1	18.4	<0.1	0.155	4.98	0.205	16.90	1.29	-34.4	
	11/13/2014	100.00	13.29	ND	ND	86.71	<1	<1	<1	<2	BRL	3.28	<10	<2	<1	<1	<5	17.1	0.824	0.235	1.29	5.10	0.812	17.94	0.90	227.8	
	3/25/2015	100.00	6.73	ND	ND	93.27	<1	<1	<1	<2	BRL	4.55	<10	<2	<1	<1	<5	15.1	0.667	<0.1	0.624	5.06	0.750	10.71	4.76	231.9	
	6/25/2015	100.00	7.31	ND	ND	92.69	<1	<1	<1	<3	BRL	5.87	<10	<2	<1	1.38	<5	19.5	1.78	0.265	0.171	4.95	0.431	14.85	2.49	195.7	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data															Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate**	**Total Metals**	**Dissolved Metals**	**Nitrate/Nitrite**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	
MW-13	6/1/2005	94.38	9.60	ND	ND	84.78	0.99 J	11.7	62.3	225	300 J	2.2	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	94.38	10.93	ND	ND	83.45	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	94.38	12.06	ND	ND	82.32	1.4	16.3	25.5	83.9	127.1	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	94.38	7.87	ND	ND	86.51	<1	1.5	7.3	21.2	30.0	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	94.38	11.29	ND	ND	83.09	<1	7.0	15.4	48.0	70.4	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	94.38	11.61	ND	ND	82.77	<1	0.76 J	10.5	31.0	42.3 J	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	94.38	7.58	ND	ND	86.80	<1	1.8	21.8	63.7	87.3	2.1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	94.38	11.11	ND	ND	83.27	<1	<1	<1	0.91 J	0.91 J	0.46 J	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	94.38	12.62	ND	ND	81.76	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	94.38	11.97	ND	ND	82.41	<1	<1	0.56 J	1.3	1.9 J	0.64 J	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	94.38	9.52	ND	ND	84.86	<1	2.0	25.3	73.5	100.8	3.5	<25	<5	<5	<5	**11.8**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	94.38	3.75	ND	ND	90.63	<1	0.45 J	8.0	18.3	26.8 J	1.7	<25	<5	<5	<5	**3.2 J**	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	94.38	12.49	ND	ND	81.89	1.2	1.3	2.1	9.3	13.9	5.5	<25	<5	<5	<5	**5.3**	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	94.38	10.00	ND	ND	84.38	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	94.38	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	94.38	6.36	ND	ND	88.02	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	94.38	6.55	ND	ND	87.83	<1	<1	<1	<1	BRL	1.5	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	94.38	14.77	ND	ND	79.61	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	94.38	14.40	ND	ND	79.98	<1	<1	0.44 J	1.1	1.5 J	0.46 J	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	94.38	4.58	ND	ND	89.80	<1	<1	5.25	11.8	17	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	94.38	8.85	ND	ND	85.53	<1	<1	13.9	46.5	60	3.27	<20	<1	<1	<1	**7.24**	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	94.38	12.63	ND	ND	81.75	<1	<1	14	43	57	5.76	<20	<1	<1	<1	**17.1**	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	94.38	6.83	ND	ND	87.55	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	94.38	5.90	ND	ND	88.48	<1	<1	1.78	3.88	6	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	94.38	13.05	ND	ND	81.33	<1	<1	2.72	<3	2.72	2.09	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	94.38	17.93	ND	ND	76.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	insufficient volume for sample
	10/4/2012	94.38	17.96	ND	ND	76.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	insufficient volume for sample
	2/22/2013	94.38	6.63	ND	ND	87.75	<1	<1	2.8	5.07	7.87	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.06	1.59	10.80	6.76	143	
	5/1/2013	94.38	9.34	ND	ND	85.04	<1	<1	9.56	25.6	35.16	1.95	28	<2	<1	<1	<5	NS	NS	NS	NS	5.48	2.006	12.97	3.30	121.0	
	8/6/2013	94.38	5.22	ND	ND	89.16	<1	<1	3.34	5.64	8.98	1.56	<10	<2	<1	<1	**5.24**	NS	NS	NS	NS	5.50	1.611	15.24	1.89	140.7	
	10/3/2013	94.38	8.91	ND	ND	85.47	<1	<1	6.58	19.4	25.98	2.41	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.23	1.840	17.11	0.17	129.9	
	3/6/2014	94.38	3.95	ND	ND	90.43	<1	<1	1.97	<3	1.97	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.41	3.491	11.71	4.91	169.6	
	6/12/2014	94.38	5.88	ND	ND	88.50	<1	<1	11.9	30.2	42.1	1.98	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.28	3.730	13.42	0.75	155.0	
	9/19/2014	94.38	14.89	ND	ND	79.49	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	356	26.4	0.189	<0.1	5.33	2.286	15.99	1.31	-36.2	
	11/13/2014	94.38	11.54	ND	ND	82.84	<1	1.35	<1	<2	1.35	<1	<10	<2	<1	<1	<5	27.1	1.85	0.111	0.523	5.49	3.593	16.50	5.45	65.3	
	3/25/2015	94.38	4.68	ND	ND	89.70	<1	<1	2.59	<2	2.59	1.29	<10	<2	<1	<1	<5	16.3	1.99	0.762	0.219	5.76	3.890	10.24	4.98	204.9	
	6/25/2015	94.38	3.94	ND	ND	90.44	<1	<1	<1	<3	BRL	8.19	28.6	<2	<1	<1	<5	14.5	3.56	0.606	0.101	5.40	2.329	10.83	1.59	142.3	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data															Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate**	**Total Metals**	**Dissolved Metals**	**Nitrate/Nitrite**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	
MW-14	6/1/2005	93.10	11.90	ND	ND	81.20	**456**	51.1	50.8	144	702	**102**	<50	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	93.10	11.58	ND	ND	81.52	<1	5.3	<1	<1	5.3	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	93.10	12.88	ND	ND	80.22	**66.7**	14.8	23.5	86.1	191.1	**25.9**	23.2 J	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	93.10	8.87	ND	ND	84.23	**62.9**	3.1	8.8	35.9	110.7	**28.5**	24.4 J	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	93.10	12.69	ND	ND	80.41	**580**	75.8	87.3	225	968	**142**	141	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	93.10	10.25	ND	ND	82.85	<1	0.31 J	2.9	9.5	12.7 J	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	93.10	8.40	ND	ND	84.70	4.7	0.41 J	0.47 J	1	7 J	5.3	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	93.10	12.50	ND	ND	80.60	**27.0**	2.8	1.7	19.8	51.3	**32.5**	11.3 J	<5	<5	<5	**2.9 J**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	93.10	14.52	ND	ND	78.58	**104**	0.33 J	1.3	11.5	117 J	**61.7**	42.2	0.80 J	<5	<5	**15.9**	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	93.10	12.32	ND	ND	80.78	0.72 J	<1	<1	<1	0.72 J	2.4	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	93.10	10.33	ND	ND	82.77	**19.8**	1.1	1.2	2.7	24.8	18.2	11.3 J	<5	<5	<5	**1.5 J**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	93.10	7.85	ND	ND	85.25	2.0	<1	<1	<1	2.0	3.6	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	93.10	13.09	ND	ND	80.01	**109**	4.9	1.7	33.1	149	**69.6**	44.2	1.1 J	<5	<5	**11.2**	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	93.10	11.37	ND	ND	81.73	**41.7**	4.4	<1	7.3	53.4	**23.7**	17.1 J	0.38 J	<5	<5	**6.0**	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	93.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	93.10	8.54	ND	ND	84.56	<1	<1	<1	<1	BRL	7.1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	93.10	5.98	ND	ND	87.12	**45**	10.1	9.0	38.0	102.1	**39.6**	21.4 J	0.57 J	<5	<5	**10.4**	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	93.10	15.94	ND	ND	77.16	**118**	0.61 J	0.90 J	20.4	140 J	**109**	100	1.9 J	<5	<5	**28.8**	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	93.10	17.50	ND	ND	75.60	<1	0.50 J	0.54 J	0.27 J	1.31 J	<1	<25	<5	<5	<5	**1.6 J**	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	93.10	7.59	ND	ND	85.51	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	93.10	9.91	ND	ND	83.19	**28.1**	17.9	22.4	62.7	131	**49.4**	<20	<1	<1	<1	**8.02**	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	93.10	13.98	ND	ND	79.12	**161 [151]**	<1 [<1]	11.5 [9.9]	61.9 [52.7]	234.4 [213.6]	**79.1 [78.4]**	31.7 [31.1]	<1 [<1]	<1 [<1]	1.29 [1.27]	**42.2 [35.7]**	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	93.10	9.91	ND	ND	83.19	**14.6 [13.3]**	<1 [<1]	<1 [<1]	4.11 [3.67]	18.71 [16.97]	14.1 [13]	<10 [<10]	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	93.10	9.09	ND	ND	84.01	**9.79**	<1	<1	6.09	16	17.4	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	93.10	15.07	ND	ND	78.03	**22.4**	<1	<1	<3	22.4	**65.1**	13	<1	<1	<1	**7.29**	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	93.10	18.05	ND	ND	75.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	insufficient volume for sample
	10/4/2012	93.10	dry	ND	ND	>93.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	insufficient volume for sample
	2/22/2013	93.10	9.57	ND	ND	83.53	<1	1.32	3.46	12.2	16.98	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.37	0.816	10.90	8.81	162	
	5/1/2013	93.10	10.82	ND	ND	82.28	<1	<1	<1	<3	BRL	5.7	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.66	1.265	12.97	4.33	107.4	
	8/6/2013	93.10	7.67	ND	ND	85.43	2.4	<1	<1	8.29	10.69	10.1	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.96	1.005	16.23	2.75	166.6	
	10/3/2013	93.10	11.24	ND	ND	81.86	**10.6**	<1	<1	2.58	13.18	**24.9**	<10	<2	<1	<1	**9.44**	NS	NS	NS	NS	4.32	1.563	17.88	0.28	176.6	
	3/6/2014	93.10	7.26	ND	ND	85.84	<1	<1	<1	<3	BRL	1.15	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.85	2.764	11.77	9.10	172.8	
	6/12/2014	93.10	9.68	ND	ND	83.42	**31.2**	5.76	9.49	41.8	88.25	**41.7**	20.7	<2	<1	<1	**15.3**	NS	NS	NS	NS	5.17	2.267	13.30	1.07	231.8	
	9/19/2014	93.10	16.21	ND	ND	76.89	**22.3**	<1	<1	2.93	25.23	**39.0**	10.3	<2	<1	1.12	**7.41**	379	139	4.24	<0.1	5.43	2.222	16.40	1.00	-60.3	
	11/13/2014	93.10	12.59	ND	ND	80.51	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	18.6	7.18	0.391	0.443	6.09	2.282	16.94	3.93	34.9	
	3/25/2015	93.10	7.83	ND	ND	85.27	1.09	<1	<1	<2	1.09	3.69	<10	<2	<1	<1	<5	12.2	0.860	<0.1	0.255	5.90	2.432	9.35	8.34	118.2	
	6/25/2015	93.10	7.16	ND	ND	85.94	<1	<1	<1	<3	BRL	1.11	<10	<2	<1	<1	<5	8,850	8.73	1.10	0.287	5.14	1.920	11.37	5.11	136.6	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data															Field Parameters					
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TBA (µg/L)**	**DIPE (µg/L)**	**ETBE (µg/L)**	**TAME (µg/L)**	**Naph-thalene (µg/L)**	**Sulfate**	**Total Metals**	**Dissolved Metals**	**Nitrate/Nitrite**	**pH (s.u.)**	**Conductivity (mS/cm)**	**Temperature (°C)**	**DO (mg/L)**	**ORP (mV)**	**Comments**
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	
MW-15	6/1/2005	92.40	8.31	ND	ND	84.09	1.6	<1	0.87 J	2.3	4.8 J	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	92.40	6.02	ND	ND	86.38	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	92.40	8.51	ND	ND	83.89	0.68 J	8.5	15.8	51.7	76.7 J	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	92.40	5.32	ND	ND	87.08	<1	2.7	10.7	31.9	45.3	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	92.40	11.29	ND	ND	81.11	1.8	5.0	11.6	35.5	53.9	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	92.40	7.31	ND	ND	85.09	<1	<1	1.6	5.3	6.9	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	92.40	5.22	ND	ND	87.18	0.78 J	<1	<1	<1	0.78 J	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	92.40	7.79	ND	ND	84.61	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	92.40	9.00	ND	ND	83.40	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	92.40	4.84	ND	ND	87.56	1.2	<1	<1	<1	1.2	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	92.40	6.66	ND	ND	85.74	2.3	<1	0.63 J	0.65 J	3.6 J	<1	<25	<5	<5	<5	**2.0 J**	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	92.40	1.90	ND	ND	90.50	0.60 J	<1	<1	<1	0.60 J	1.1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	92.40	8.55	ND	ND	83.85	0.55 J	4.7	1.5	4.6	11.4 J	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	92.40	7.90	ND	ND	84.50	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	92.40	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	92.40	5.21	ND	ND	87.19	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	92.40	5.88	ND	ND	86.52	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	92.40	10.31	ND	ND	82.09	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	92.40	11.14	ND	ND	81.26	1.7	<1	0.34 J	0.27 J	2.3 J	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	92.40	3.94	ND	ND	88.46	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	92.40	6.56	ND	ND	85.84	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	92.40	8.88	ND	ND	83.52	1.4	<1	<1	<3	1.4	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	92.40	6.76	ND	ND	85.64	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	92.40	7.45	ND	ND	84.95	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	92.40	9.45	ND	ND	82.95	1.89	<1	<1	<3	1.89	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	92.40	11.82	ND	ND	80.58	4.05	<1	1.88	<3	5.93	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	92.40	13.96	ND	ND	78.44	**10.5**	<1	8.57	<3	19.07	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/22/2013	92.40	6.10	ND	ND	86.30	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	6.21	0.665	11.47	5.88	202	
	5/1/2013	92.40	7.11	ND	ND	85.29	<1	1.04	2.47	7.96	11.47	<1	15.5	<2	<1	<1	<5	NS	NS	NS	NS	5.62	0.807	12.37	2.98	108.1	
	8/6/2013	92.40	4.15	ND	ND	88.25	<1	<1	1	2.97	3.97	<1	<10	<2	<1	<1	**5.86**	NS	NS	NS	NS	5.80	0.523	15.35	0.70	75.7	
	10/3/2013	92.40	7.41	ND	ND	84.99	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	3.48	0.609	17.73	0.86	237.0	
	3/6/2014	92.40	4.46	ND	ND	87.94	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.77	0.704	11.83	2.83	184.6	
	6/12/2014	92.40	6.78	ND	ND	85.62	1.78	<1	<1	<2	1.78	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.56	0.897	13.00	0.78	231.4	
	9/19/2014	92.40	10.42	ND	ND	81.98	**5.75**	<1	1.53	<2	7.28	<1	<10	<2	<1	<1	**5.79**	232	8.44	<0.1	0.136	5.19	1.243	16.01	1.37	-80.2	
	11/13/2014	92.40	8.89	ND	ND	83.51	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	22.8	5.97	<0.1	0.277	5.35	1.160	15.85	1.97	173.7	
	3/25/2015	92.40	4.86	ND	ND	87.54	<1	<1	<1	2.09	2.09	<1	<10	<2	<1	<1	<5	17.0	4.48	<0.1	0.210	5.86	1.102	10.69	5.58	163.8	
	6/25/2015	92.40	3.78	ND	ND	88.62	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	13.9	2.16	0.286	0.283	5.49	0.893	10.50	1.14	162.2	

Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data					Analytical Data															Field Parameters					
Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Naph-thalene (µg/L)	Sulfate	Total Metals	Dissolved Metals	Nitrate/Nitrite	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Comments
							5	*1,000*	*700*	*10,000*	--	*20*	--	--	--	--	*0.65*	--	*2,600*	--	--	--	--	--	--	--	
MW-16	6/1/2005	90.30	7.42	ND	ND	82.88	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/7/2005	90.30	6.12	ND	ND	84.18	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	5/24/2006	90.30	7.50	ND	ND	82.80	<1	2.0	6.0	31.6	39.6	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	11/7/2006	90.30	5.16	ND	ND	85.14	0.51 J	4.7	17.8	51.1	74.1 J	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	90.30	8.50	ND	ND	81.80	<1	9.8	19.8	61.8	91.4	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	90.30	5.84	ND	ND	84.46	<1	<1	1.0	3.3	4.3	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	90.30	5.13	ND	ND	85.17	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	90.30	7.19	ND	ND	83.11	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	90.30	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	Well not located, not sampled
	11/20/2008	90.30	9.43	ND	ND	80.87	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	90.30	6.05	ND	ND	84.25	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	90.30	4.15	ND	ND	86.15	<1	<1	<1	<1	BRL	0.54 J	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	90.30	6.50	ND	ND	83.80	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	90.30	5.15	ND	ND	85.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	90.30	3.95	ND	ND	86.35	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	90.30	5.16	ND	ND	85.14	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	90.30	4.96	ND	ND	85.34	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	90.30	8.49	ND	ND	81.81	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	90.30	7.49	ND	ND	82.81	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	90.30	4.89	ND	ND	85.41	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	90.30	5.36	ND	ND	84.94	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	90.30	8.84	ND	ND	81.46	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	90.30	5.48	ND	ND	84.82	<1	<1	1.3	4.55	BRL	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	90.30	5.41	ND	ND	84.89	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	90.30	8.83	ND	ND	81.47	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	90.30	11.87	ND	ND	78.43	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	90.30	10.99	ND	ND	79.31	<1	<1	1.09	<3	1.09	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	--	--	--	--	--	
	2/22/2013	90.30	5.70	ND	ND	84.60	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.39	0.351	11.38	4.57	298	
	5/1/2013	90.30	5.94	ND	ND	84.36	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	4.87	0.457	12.01	4.38	128.0	
	8/6/2013	90.30	4.56	ND	ND	85.74	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	4.99	0.207	15.87	1.96	155.3	
	10/3/2013	90.30	6.01	ND	ND	84.29	<1	<1	1.12	3.11	4.23	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	4.73	0.402	18.20	2.06	144.8	
	3/6/2014	90.30	4.83	ND	ND	85.47	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	5.39	0.215	11.43	6.06	212.6	
	6/12/2014	90.30	5.65	ND	ND	84.65	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	NS	NS	NS	NS	4.97	0.360	13.47	0.32	209.7	
	9/19/2014	90.30	10.90	ND	ND	79.40	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	21.5	1.18	<0.1	2.94	4.12	0.377	16.60	1.98	5.5	
	11/13/2014	90.30	8.55	ND	ND	81.75	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	17.8	2.97	<0.1	2.65	4.57	0.338	16.89	1.79	315.6	
	3/25/2015	90.30	5.22	ND	ND	85.08	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5	7.46	2.32	<0.1	0.867	5.73	0.239	10.18	7.25	195	
	6/25/2015	90.30	5.07	ND	ND	85.23	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	15.6	2.92	0.390	2.47	4.61	0.395	11.81	2.48	185.5	

Notes:

µg/L - micrograms/liter
italic values - MDE Groundwater Clean-Up Standards
0.65 [1.63] - results from duplicate sample listed in brackets
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - Di-Isopropyl Ether
ETBE - Ethyl Tertiary Butyl Ether
GW - Groundwater
J - Indicates an estimated value
MTBE - Methyl Tert Butyl Ether
NA - Not analyzed
ND - Not detected
<5 - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NM - Not monitored
NS - Not sampled
NSVD - Not surveyed to vertical datum
TAME - Tertiary Amyl Methyl Ether
TBA - Tertiary Butyl Alcohol

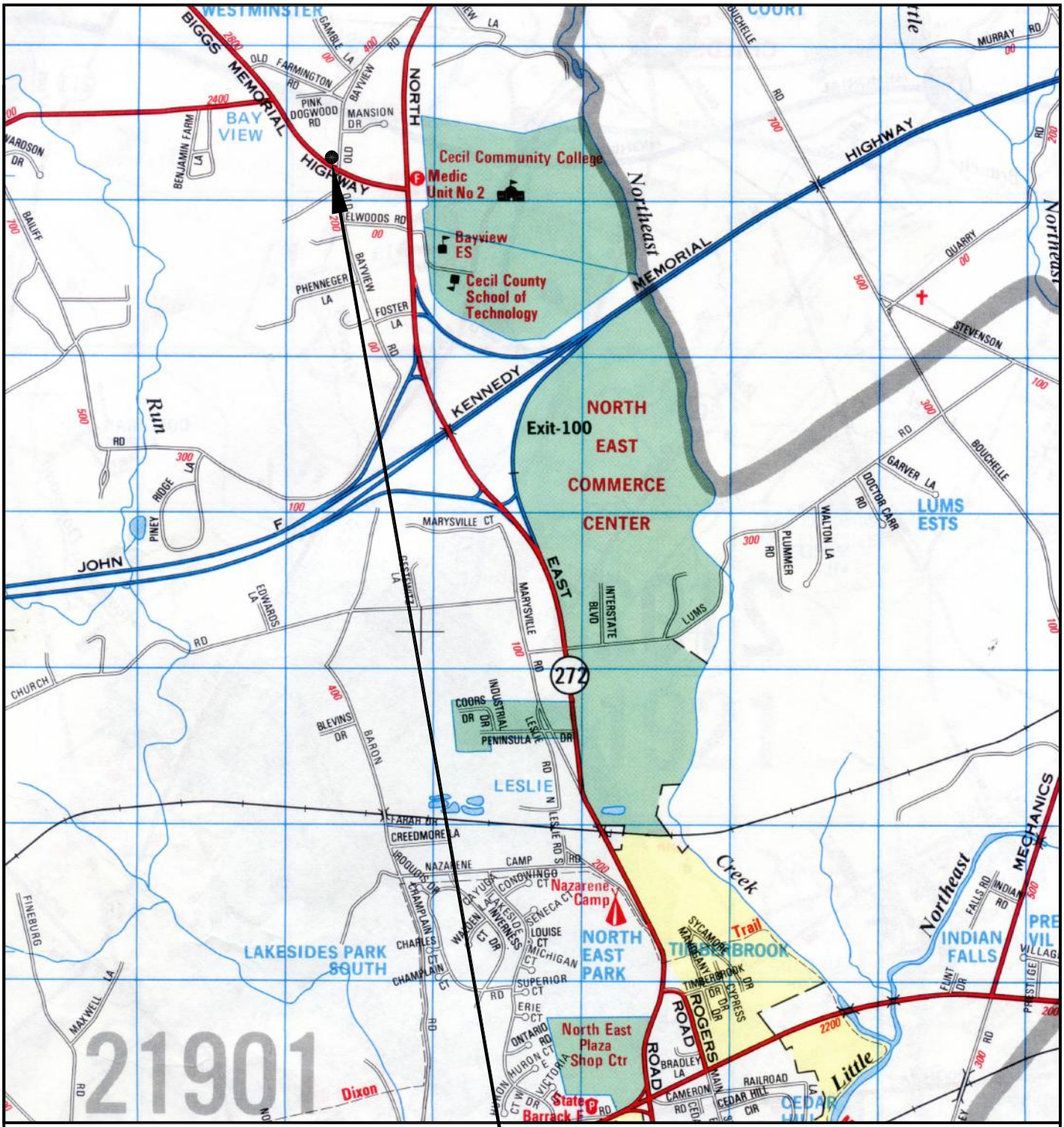
Table 1
Groundwater Monitoring and Analytical Data
Exxon Service Station #14489
285 Old Bayview Drive
North East, Maryland

		Gauging Data				
Well ID	**Date**	**Top of Casing Elevation (feet)**	**Depth to Water (feet)**	**Depth to Hydro-carbon (feet)**	**Hydro-carbon Thickness (feet)**	**Corrected GW Elevation (feet)**
INJ-1	2/22/2013	100.49	6.52	ND	ND	93.97
	5/1/2013	100.49	NM	ND	ND	NM
	8/6/2013	100.49	NM	ND	ND	NM
	10/3/2013	100.49	7.01	ND	ND	93.48
	3/6/2014	100.49	3.63	ND	ND	96.86
	6/12/2014	100.49	5.41	ND	ND	95.08
	9/18/2014	100.49	10.80	ND	ND	89.69
	11/13/2014	100.49	9.47	ND	ND	91.02
	3/25/2015	100.49	4.19	ND	ND	96.30
	6/25/2015	100.49	4.65	ND	ND	95.84
INJ-2	2/22/2013	101.50	4.60	ND	ND	96.90
	5/1/2013	101.50	NM	ND	ND	NM
	8/6/2013	101.50	NM	ND	ND	NM
	10/3/2013	101.50	3.38	ND	ND	98.12
	3/6/2014	101.50	3.04	ND	ND	98.46
	6/12/2014	101.50	3.01	ND	ND	98.49
	9/18/2014	101.50	4.44	ND	ND	97.06
	11/13/2014	101.50	3.52	ND	ND	97.98
	3/25/2015	101.50	2.95	ND	ND	98.55
	6/25/2015	101.50	2.81	ND	ND	98.69
INJ-3	2/22/2013	100.49	4.10	ND	ND	96.39
	5/1/2013	100.49	NM	ND	ND	NM
	8/6/2013	100.49	NM	ND	ND	NM
	10/3/2013	100.49	4.41	ND	ND	96.08
	3/6/2014	100.49	3.57	ND	ND	96.92
	6/12/2014	100.49	3.74	ND	ND	96.75
	9/18/2014	100.49	5.81	ND	ND	94.68
	11/13/2014	100.49	4.77	ND	ND	95.72
	3/25/2015	100.49	3.70	ND	ND	96.79
	6/25/2015	100.49	3.65	ND	ND	96.84

Notes:
ND - Not detected
NM - Not monitored

ARCADIS

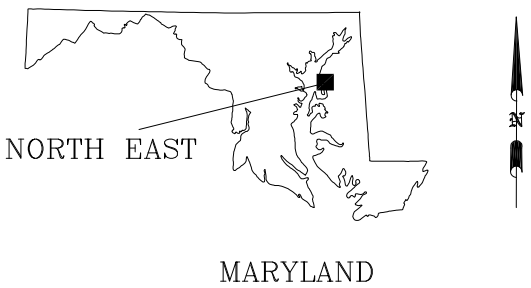
Figures



MAP SOURCE: ADC Cecil Co. MD. Street Map Book

0 1,000 2,000

SCALE: FEET

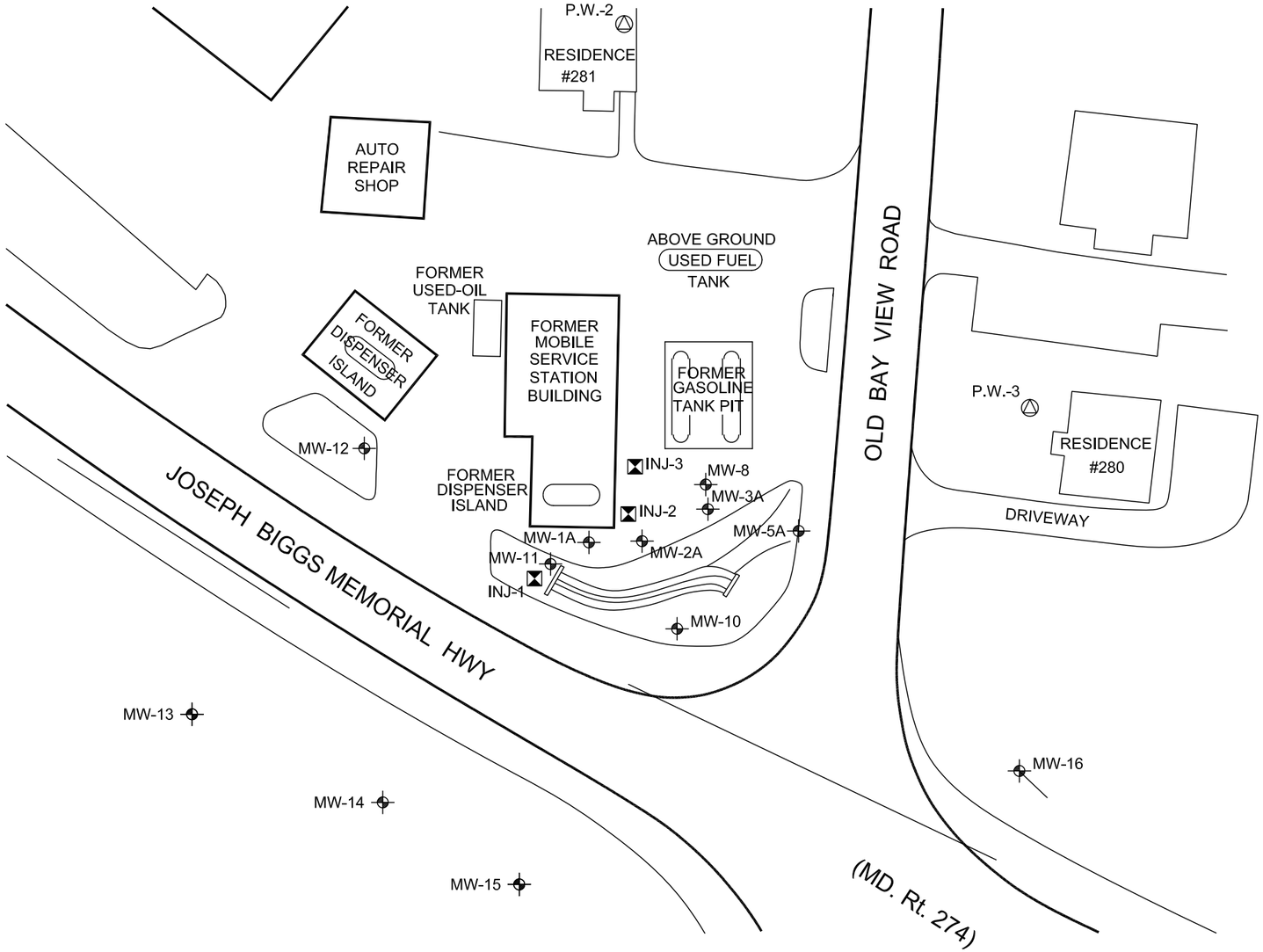


FORMER EXXON FACILITY # 14489
285 OLD BAY VIEW ROAD
NORTH EAST, MARYLAND

LOCAL AREA MAP

ARCADIS

FIGURE 1



LEGEND:

- MONITORING WELL
- DESTROYED MONITORING WELL
- POTABLE WELL
- INJECTION WELL
- INTERCEPTOR TRENCH
- REMEDIATION SYSTEM PIPING

0 20 40

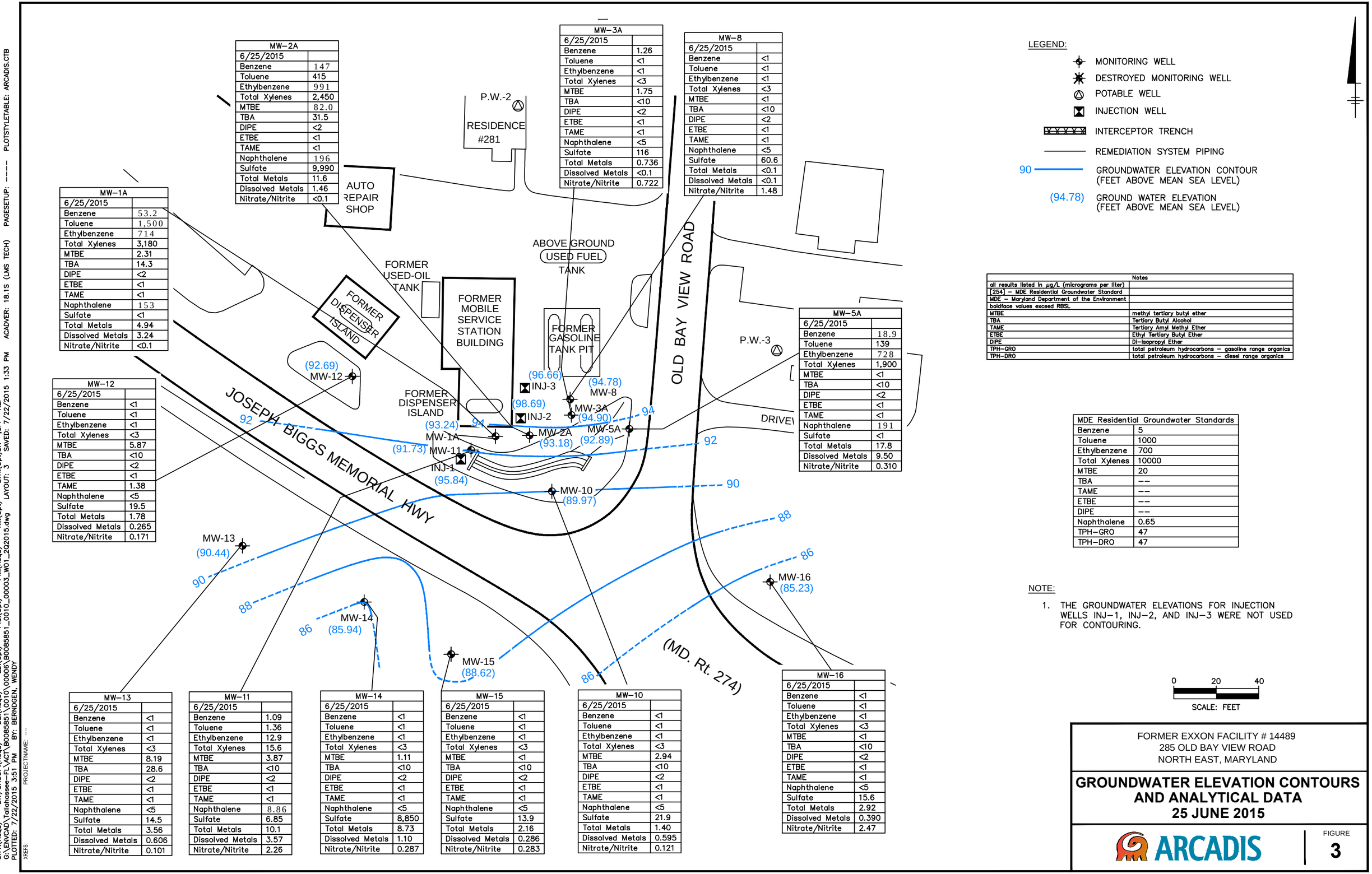
SCALE: FEET

FORMER EXXON FACILITY # 14489
285 OLD BAY VIEW ROAD
NORTH EAST, MARYLAND

SITE MAP

ARCADIS

FIGURE 2



MW–1A	
6/25/2015	
Benzene	53.2
Toluene	1,500
Ethylbenzene	714
Total Xylenes	3,180
MTBE	2.31
TBA	14.3
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	153
Sulfate	<1
Total Metals	4.94
Dissolved Metals	3.24
Nitrate/Nitrite	<0.1

MW–2A	
6/25/2015	
Benzene	147
Toluene	415
Ethylbenzene	991
Total Xylenes	2,450
MTBE	82.0
TBA	31.5
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	196
Sulfate	9,990
Total Metals	11.6
Dissolved Metals	1.46
Nitrate/Nitrite	<0.1

MW–3A	
6/25/2015	
Benzene	1.26
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3
MTBE	1.75
TBA	<10
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	<5
Sulfate	116
Total Metals	0.736
Dissolved Metals	<0.1
Nitrate/Nitrite	0.722

MW–8	
6/25/2015	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3
MTBE	<1
TBA	<10
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	<5
Sulfate	60.6
Total Metals	<0.1
Dissolved Metals	<0.1
Nitrate/Nitrite	1.48

MW–5A	
6/25/2015	
Benzene	18.9
Toluene	139
Ethylbenzene	728
Total Xylenes	1,900
MTBE	<1
TBA	<10
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	191
Sulfate	<1
Total Metals	17.8
Dissolved Metals	9.50
Nitrate/Nitrite	0.310

MW–12	
6/25/2015	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3
MTBE	5.87
TBA	<10
DIPE	<2
ETBE	<1
TAME	1.38
Naphthalene	<5
Sulfate	19.5
Total Metals	1.78
Dissolved Metals	0.265
Nitrate/Nitrite	0.171

MW–13	
6/25/2015	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3
MTBE	8.19
TBA	28.6
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	<5
Sulfate	14.5
Total Metals	3.56
Dissolved Metals	0.606
Nitrate/Nitrite	0.101

MW–11	
6/25/2015	
Benzene	1.09
Toluene	1.36
Ethylbenzene	12.9
Total Xylenes	15.6
MTBE	3.87
TBA	<10
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	8.86
Sulfate	6.85
Total Metals	10.1
Dissolved Metals	3.57
Nitrate/Nitrite	2.26

MW–14	
6/25/2015	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3
MTBE	1.11
TBA	<10
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	<5
Sulfate	8,850
Total Metals	8.73
Dissolved Metals	1.10
Nitrate/Nitrite	0.287

MW–15	
6/25/2015	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3
MTBE	<1
TBA	<10
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	<5
Sulfate	13.9
Total Metals	2.16
Dissolved Metals	0.286
Nitrate/Nitrite	0.283

MW–10	
6/25/2015	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3
MTBE	2.94
TBA	<10
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	<5
Sulfate	21.9
Total Metals	1.40
Dissolved Metals	0.595
Nitrate/Nitrite	0.121

MW–16	
6/25/2015	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3
MTBE	<1
TBA	<10
DIPE	<2
ETBE	<1
TAME	<1
Naphthalene	<5
Sulfate	15.6
Total Metals	2.92
Dissolved Metals	0.390
Nitrate/Nitrite	2.47

Notes	
all results listed in µg/L (micrograms per liter)	
[254] – MDE Residential Groundwater Standard	
MDE – Maryland Department of the Environment	
boldface values exceed RBSL	
MTBE	methyl tertiary butyl ether
TBA	Tertiary Butyl Alcohol
TAME	Tertiary Amyl Methyl Ether
ETBE	Ethyl Tertiary Butyl Ether
DIPE	Di-Isopropyl Ether
TPH–GRO	total petroleum hydrocarbons – gasoline range organics
TPH–DRO	total petroleum hydrocarbons – diesel range organics

MDE Residential Groundwater Standards	
Benzene	5
Toluene	1000
Ethylbenzene	700
Total Xylenes	10000
MTBE	20
TBA	--
TAME	--
ETBE	--
DIPE	--
Naphthalene	0.65
TPH–GRO	47
TPH–DRO	47

NOTE:

1. THE GROUNDWATER ELEVATIONS FOR INJECTION WELLS INJ–1, INJ–2, AND INJ–3 WERE NOT USED FOR CONTOURING.

FORMER EXXON FACILITY # 14489
285 OLD BAY VIEW ROAD
NORTH EAST, MARYLAND

GROUNDWATER ELEVATION CONTOURS AND ANALYTICAL DATA 25 JUNE 2015

ARCADIS

FIGURE 3

ARCADIS

Appendix A

TestAmerica Laboratory Analytical Reports (9 - 13 July 2015)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-81527-1
Client Project/Site: 14489 - North East

For:
ARCADIS U.S., Inc.
1114 Benfield Blvd.
Suite A
Millersville, Maryland 21108

Attn: Mr. Rusty Kahl

Authorized for release by:
7/13/2015 12:26:50 PM
Heather Wagner, Project Manager I
(615)301-5763
heather.wagner@testamericainc.com

Designee for

Jennifer Huckaba, Project Manager II
(615)301-5042
jennifer.huckaba@testamericainc.com

Table of Contents

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-81527-1	MW1A(062515)	Ground Water	06/25/15 12:45	06/26/15 08:45
490-81527-2	MW2A(062515)	Ground Water	06/25/15 11:20	06/26/15 08:45
490-81527-3	MW3A(062515)	Ground Water	06/25/15 10:40	06/26/15 08:45
490-81527-4	MW5A(062515)	Ground Water	06/25/15 14:15	06/26/15 08:45
490-81527-5	MW8(062515)	Ground Water	06/25/15 09:30	06/26/15 08:45
490-81527-6	MW10(062515)	Ground Water	06/25/15 13:05	06/26/15 08:45
490-81527-7	MW11(062515)	Ground Water	06/25/15 13:50	06/26/15 08:45
490-81527-8	MW12(062515)	Ground Water	06/25/15 14:55	06/26/15 08:45
490-81527-9	MW13(062515)	Ground Water	06/25/15 11:20	06/26/15 08:45
490-81527-10	MW14(062515)	Ground Water	06/25/15 10:20	06/26/15 08:45
490-81527-11	MW15(062515)	Ground Water	06/25/15 09:35	06/26/15 08:45
490-81527-12	MW16(062515)	Ground Water	06/25/15 15:10	06/26/15 08:45
490-81527-13	DUP01(062515)	Ground Water	06/25/15 12:00	06/26/15 08:45
490-81527-14	RB01(062515)	Ground Water	06/25/15 15:40	06/26/15 08:45
490-81527-15	TB01(062515)	Water	06/25/15 01:00	06/26/15 08:45

Job ID: 490-81527-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-81527-1

Comments
No additional comments.

Receipt
The samples were received on 6/26/2015 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.7º C and 2.0º C.

GC/MS VOA
Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 260281 recovered outside control limits for the following analytes: Chloroethane.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Client Sample ID: MW1A(062515)
Date Collected: 06/25/15 12:45
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 03:55	1
Benzene	**53.2**		1.00		ug/L			06/29/15 03:55	1
Bromobenzene	ND		1.00		ug/L			06/29/15 03:55	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 03:55	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 03:55	1
Bromoform	ND		1.00		ug/L			06/29/15 03:55	1
Bromomethane	ND		1.00		ug/L			06/29/15 03:55	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 03:55	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 03:55	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 03:55	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 03:55	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 03:55	1
Chloroethane	ND		1.00		ug/L			06/29/15 03:55	1
Chloroform	ND		1.00		ug/L			06/29/15 03:55	1
Chloromethane	ND	*	1.00		ug/L			06/29/15 03:55	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 03:55	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 03:55	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 03:55	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 03:55	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 03:55	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 03:55	1
Dibromomethane	ND		1.00		ug/L			06/29/15 03:55	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 03:55	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 03:55	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 03:55	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 03:55	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 03:55	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 03:55	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 03:55	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 03:55	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 03:55	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 03:55	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 03:55	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 03:55	1
Ethylbenzene	**714**		20.0		ug/L			06/29/15 21:32	20
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 03:55	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 03:55	1
2-Hexanone	ND		10.0		ug/L			06/29/15 03:55	1
Isopropylbenzene	**50.3**		1.00		ug/L			06/29/15 03:55	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 03:55	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 03:55	1
Methyl tert-butyl ether	**2.31**		1.00		ug/L			06/29/15 03:55	1
Naphthalene	**153**		5.00		ug/L			06/29/15 03:55	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 03:55	1
N-Propylbenzene	**111**		1.00		ug/L			06/29/15 03:55	1
p-Isopropyltoluene	**8.92**		1.00		ug/L			06/29/15 03:55	1
sec-Butylbenzene	**12.8**		1.00		ug/L			06/29/15 03:55	1
Styrene	ND		1.00		ug/L			06/29/15 03:55	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 03:55	1

Client Sample ID: MW1A(062515)
Date Collected: 06/25/15 12:45
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	**14.3**		10.0		ug/L			06/29/15 03:55	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 03:55	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 03:55	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 03:55	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 03:55	1
Toluene	**1500**		20.0		ug/L			06/29/15 21:32	20
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 03:55	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 03:55	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 03:55	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 03:55	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 03:55	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 03:55	1
Trichloroethene	ND		1.00		ug/L			06/29/15 03:55	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 03:55	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 03:55	1
1,2,4-Trimethylbenzene	**1280**		20.0		ug/L			06/29/15 21:32	20
1,3,5-Trimethylbenzene	**375**		20.0		ug/L			06/29/15 21:32	20
Vinyl chloride	ND		1.00		ug/L			06/29/15 03:55	1
Xylenes, Total	**3180**		60.0		ug/L			06/29/15 21:32	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*06/29/15 03:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*06/29/15 21:32*	*20*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*06/29/15 03:55*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 21:32*	*20*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*06/29/15 03:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*06/29/15 21:32*	*20*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 03:55*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/29/15 21:32*	*20*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00		mg/L			07/03/15 21:49	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**4.94**		0.100		mg/L		07/01/15 14:11	07/02/15 11:33	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**3.24**		0.100		mg/L		06/29/15 16:40	07/01/15 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	ND		0.100		mg/L			07/01/15 10:10	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW2A(062515)
Date Collected: 06/25/15 11:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 04:21	1
Benzene	**147**		1.00		ug/L			06/29/15 04:21	1
Bromobenzene	ND		1.00		ug/L			06/29/15 04:21	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 04:21	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 04:21	1
Bromoform	ND		1.00		ug/L			06/29/15 04:21	1
Bromomethane	ND		1.00		ug/L			06/29/15 04:21	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 04:21	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 04:21	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 04:21	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 04:21	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 04:21	1
Chloroethane	ND		1.00		ug/L			06/29/15 04:21	1
Chloroform	ND		1.00		ug/L			06/29/15 04:21	1
Chloromethane	ND	*	1.00		ug/L			06/29/15 04:21	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 04:21	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 04:21	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 04:21	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 04:21	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 04:21	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 04:21	1
Dibromomethane	ND		1.00		ug/L			06/29/15 04:21	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 04:21	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 04:21	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 04:21	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 04:21	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 04:21	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 04:21	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 04:21	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 04:21	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 04:21	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 04:21	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 04:21	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 04:21	1
Ethylbenzene	**991**		20.0		ug/L			06/29/15 21:58	20
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 04:21	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 04:21	1
2-Hexanone	ND		10.0		ug/L			06/29/15 04:21	1
Isopropylbenzene	**33.0**		1.00		ug/L			06/29/15 04:21	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 04:21	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 04:21	1
Methyl tert-butyl ether	**82.0**		1.00		ug/L			06/29/15 04:21	1
Naphthalene	**196**		5.00		ug/L			06/29/15 04:21	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 04:21	1
N-Propylbenzene	**65.2**		1.00		ug/L			06/29/15 04:21	1
p-Isopropyltoluene	**2.03**		1.00		ug/L			06/29/15 04:21	1
sec-Butylbenzene	**2.81**		1.00		ug/L			06/29/15 04:21	1
Styrene	ND		1.00		ug/L			06/29/15 04:21	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 04:21	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW2A(062515)
Date Collected: 06/25/15 11:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	**31.5**		10.0		ug/L			06/29/15 04:21	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 04:21	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 04:21	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 04:21	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 04:21	1
Toluene	**415**		20.0		ug/L			06/29/15 21:58	20
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 04:21	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 04:21	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 04:21	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 04:21	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 04:21	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 04:21	1
Trichloroethene	ND		1.00		ug/L			06/29/15 04:21	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 04:21	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 04:21	1
1,2,4-Trimethylbenzene	**602**		20.0		ug/L			06/29/15 21:58	20
1,3,5-Trimethylbenzene	**140**		1.00		ug/L			06/29/15 04:21	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 04:21	1
Xylenes, Total	**2450**		60.0		ug/L			06/29/15 21:58	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*06/29/15 04:21*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/29/15 21:58*	*20*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/29/15 04:21*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*06/29/15 21:58*	*20*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*06/29/15 04:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*06/29/15 21:58*	*20*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 04:21*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 21:58*	*20*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**9990**		20.0		mg/L			07/03/15 22:10	20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**11.6**		0.100		mg/L		07/01/15 14:11	07/02/15 11:29	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.46**		0.100		mg/L		06/29/15 16:40	07/01/15 18:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	ND		0.100		mg/L			07/01/15 10:12	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW3A(062515)
Date Collected: 06/25/15 10:40
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 18:27	1
Benzene	**1.26**		1.00		ug/L			06/29/15 18:27	1
Bromobenzene	ND		1.00		ug/L			06/29/15 18:27	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 18:27	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 18:27	1
Bromoform	ND		1.00		ug/L			06/29/15 18:27	1
Bromomethane	ND		1.00		ug/L			06/29/15 18:27	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 18:27	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 18:27	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 18:27	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 18:27	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 18:27	1
Chloroethane	ND		1.00		ug/L			06/29/15 18:27	1
Chloroform	ND		1.00		ug/L			06/29/15 18:27	1
Chloromethane	ND		1.00		ug/L			06/29/15 18:27	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 18:27	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 18:27	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 18:27	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 18:27	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 18:27	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 18:27	1
Dibromomethane	ND		1.00		ug/L			06/29/15 18:27	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 18:27	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 18:27	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 18:27	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 18:27	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 18:27	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 18:27	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 18:27	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 18:27	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 18:27	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 18:27	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 18:27	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 18:27	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 18:27	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 18:27	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 18:27	1
2-Hexanone	ND		10.0		ug/L			06/29/15 18:27	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 18:27	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 18:27	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 18:27	1
Methyl tert-butyl ether	**1.75**		1.00		ug/L			06/29/15 18:27	1
Naphthalene	ND		5.00		ug/L			06/29/15 18:27	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 18:27	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 18:27	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 18:27	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 18:27	1
Styrene	ND		1.00		ug/L			06/29/15 18:27	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 18:27	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW3A(062515)
Date Collected: 06/25/15 10:40
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 18:27	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 18:27	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 18:27	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 18:27	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 18:27	1
Toluene	ND		1.00		ug/L			06/29/15 18:27	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 18:27	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 18:27	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 18:27	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 18:27	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 18:27	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 18:27	1
Trichloroethene	ND		1.00		ug/L			06/29/15 18:27	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 18:27	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 18:27	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 18:27	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 18:27	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 18:27	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*06/29/15 18:27*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*06/29/15 18:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*06/29/15 18:27*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 18:27*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**116**		1.00		mg/L			07/03/15 22:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.736**		0.100		mg/L		07/01/15 14:11	07/02/15 11:24	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.100		mg/L		06/29/15 16:40	07/01/15 18:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**0.722**		0.100		mg/L			07/01/15 10:13	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW5A(062515)
Date Collected: 06/25/15 14:15
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 05:14	1
Benzene	**18.9**		1.00		ug/L			06/29/15 05:14	1
Bromobenzene	ND		1.00		ug/L			06/29/15 05:14	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 05:14	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 05:14	1
Bromoform	ND		1.00		ug/L			06/29/15 05:14	1
Bromomethane	ND		1.00		ug/L			06/29/15 05:14	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 05:14	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 05:14	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 05:14	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 05:14	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 05:14	1
Chloroethane	ND		1.00		ug/L			06/29/15 05:14	1
Chloroform	ND		1.00		ug/L			06/29/15 05:14	1
Chloromethane	ND	*	1.00		ug/L			06/29/15 05:14	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 05:14	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 05:14	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 05:14	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 05:14	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 05:14	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 05:14	1
Dibromomethane	ND		1.00		ug/L			06/29/15 05:14	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 05:14	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 05:14	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 05:14	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 05:14	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 05:14	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 05:14	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 05:14	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 05:14	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 05:14	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 05:14	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 05:14	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 05:14	1
Ethylbenzene	**728**		10.0		ug/L			06/29/15 22:52	10
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 05:14	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 05:14	1
2-Hexanone	ND		10.0		ug/L			06/29/15 05:14	1
Isopropylbenzene	**92.3**		1.00		ug/L			06/29/15 05:14	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 05:14	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 05:14	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/29/15 05:14	1
Naphthalene	**191**		5.00		ug/L			06/29/15 05:14	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 05:14	1
N-Propylbenzene	**293**		10.0		ug/L			06/29/15 22:52	10
p-Isopropyltoluene	**13.5**		1.00		ug/L			06/29/15 05:14	1
sec-Butylbenzene	**23.2**		1.00		ug/L			06/29/15 05:14	1
Styrene	ND		1.00		ug/L			06/29/15 05:14	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 05:14	1

Client Sample ID: MW5A(062515)
Date Collected: 06/25/15 14:15
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 05:14	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 05:14	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 05:14	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 05:14	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 05:14	1
Toluene	**139**		1.00		ug/L			06/29/15 05:14	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 05:14	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 05:14	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 05:14	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 05:14	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 05:14	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 05:14	1
Trichloroethene	ND		1.00		ug/L			06/29/15 05:14	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 05:14	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 05:14	1
1,2,4-Trimethylbenzene	**1700**		10.0		ug/L			06/29/15 22:52	10
1,3,5-Trimethylbenzene	**458**		10.0		ug/L			06/29/15 22:52	10
Vinyl chloride	ND		1.00		ug/L			06/29/15 05:14	1
Xylenes, Total	**1900**		30.0		ug/L			06/29/15 22:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*06/29/15 05:14*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*06/29/15 22:52*	*10*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*06/29/15 05:14*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 22:52*	*10*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*06/29/15 05:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*06/29/15 22:52*	*10*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 05:14*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 22:52*	*10*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00		mg/L			07/07/15 03:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**17.8**		0.100		mg/L		07/01/15 14:11	07/02/15 11:01	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**9.50**		0.100		mg/L		06/29/15 16:40	07/01/15 18:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**0.310**		0.100		mg/L			07/01/15 10:14	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW8(062515)
Date Collected: 06/25/15 09:30
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 18:54	1
Benzene	ND		1.00		ug/L			06/29/15 18:54	1
Bromobenzene	ND		1.00		ug/L			06/29/15 18:54	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 18:54	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 18:54	1
Bromoform	ND		1.00		ug/L			06/29/15 18:54	1
Bromomethane	ND		1.00		ug/L			06/29/15 18:54	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 18:54	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 18:54	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 18:54	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 18:54	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 18:54	1
Chloroethane	ND		1.00		ug/L			06/29/15 18:54	1
Chloroform	ND		1.00		ug/L			06/29/15 18:54	1
Chloromethane	ND		1.00		ug/L			06/29/15 18:54	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 18:54	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 18:54	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 18:54	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 18:54	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 18:54	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 18:54	1
Dibromomethane	ND		1.00		ug/L			06/29/15 18:54	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 18:54	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 18:54	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 18:54	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 18:54	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 18:54	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 18:54	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 18:54	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 18:54	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 18:54	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 18:54	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 18:54	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 18:54	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 18:54	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 18:54	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 18:54	1
2-Hexanone	ND		10.0		ug/L			06/29/15 18:54	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 18:54	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 18:54	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 18:54	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/29/15 18:54	1
Naphthalene	ND		5.00		ug/L			06/29/15 18:54	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 18:54	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 18:54	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 18:54	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 18:54	1
Styrene	ND		1.00		ug/L			06/29/15 18:54	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 18:54	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW8(062515)
Date Collected: 06/25/15 09:30
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 18:54	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 18:54	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 18:54	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 18:54	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 18:54	1
Toluene	ND		1.00		ug/L			06/29/15 18:54	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 18:54	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 18:54	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 18:54	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 18:54	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 18:54	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 18:54	1
Trichloroethene	ND		1.00		ug/L			06/29/15 18:54	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 18:54	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 18:54	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 18:54	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 18:54	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 18:54	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/29/15 18:54*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*06/29/15 18:54*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 18:54*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**60.6**		1.00		mg/L			07/03/15 23:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.100		mg/L		07/01/15 14:11	07/02/15 11:59	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.100		mg/L		06/29/15 16:40	07/01/15 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**1.48**		0.100		mg/L			07/01/15 10:15	1

Client Sample ID: MW10(062515)
Date Collected: 06/25/15 13:05
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 19:20	1
Benzene	ND		1.00		ug/L			06/29/15 19:20	1
Bromobenzene	ND		1.00		ug/L			06/29/15 19:20	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 19:20	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 19:20	1
Bromoform	ND		1.00		ug/L			06/29/15 19:20	1
Bromomethane	ND		1.00		ug/L			06/29/15 19:20	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 19:20	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 19:20	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 19:20	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 19:20	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 19:20	1
Chloroethane	ND		1.00		ug/L			06/29/15 19:20	1
Chloroform	ND		1.00		ug/L			06/29/15 19:20	1
Chloromethane	ND		1.00		ug/L			06/29/15 19:20	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 19:20	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 19:20	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 19:20	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 19:20	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 19:20	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 19:20	1
Dibromomethane	ND		1.00		ug/L			06/29/15 19:20	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 19:20	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 19:20	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 19:20	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 19:20	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 19:20	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 19:20	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 19:20	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 19:20	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 19:20	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 19:20	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 19:20	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 19:20	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 19:20	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 19:20	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 19:20	1
2-Hexanone	ND		10.0		ug/L			06/29/15 19:20	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 19:20	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 19:20	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 19:20	1
Methyl tert-butyl ether	**2.94**		1.00		ug/L			06/29/15 19:20	1
Naphthalene	ND		5.00		ug/L			06/29/15 19:20	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 19:20	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 19:20	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 19:20	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 19:20	1
Styrene	ND		1.00		ug/L			06/29/15 19:20	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 19:20	1

Client Sample ID: MW10(062515)
Date Collected: 06/25/15 13:05
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 19:20	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 19:20	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 19:20	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 19:20	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 19:20	1
Toluene	ND		1.00		ug/L			06/29/15 19:20	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 19:20	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 19:20	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 19:20	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 19:20	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 19:20	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 19:20	1
Trichloroethene	ND		1.00		ug/L			06/29/15 19:20	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 19:20	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 19:20	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 19:20	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 19:20	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 19:20	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/29/15 19:20*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 19:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*06/29/15 19:20*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 19:20*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**21.9**		10.0		mg/L			07/03/15 23:34	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.40**		0.100		mg/L		07/01/15 16:07	07/02/15 15:09	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.595**		0.100		mg/L		06/30/15 16:23	07/01/15 17:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**0.121**		0.100		mg/L			07/01/15 10:16	1

Client Sample ID: MW11(062515)
Date Collected: 06/25/15 13:50
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 19:47	1
Benzene	**1.09**		1.00		ug/L			06/29/15 19:47	1
Bromobenzene	ND		1.00		ug/L			06/29/15 19:47	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 19:47	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 19:47	1
Bromoform	ND		1.00		ug/L			06/29/15 19:47	1
Bromomethane	ND		1.00		ug/L			06/29/15 19:47	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 19:47	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 19:47	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 19:47	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 19:47	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 19:47	1
Chloroethane	ND		1.00		ug/L			06/29/15 19:47	1
Chloroform	ND		1.00		ug/L			06/29/15 19:47	1
Chloromethane	ND		1.00		ug/L			06/29/15 19:47	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 19:47	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 19:47	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 19:47	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 19:47	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 19:47	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 19:47	1
Dibromomethane	ND		1.00		ug/L			06/29/15 19:47	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 19:47	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 19:47	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 19:47	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 19:47	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 19:47	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 19:47	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 19:47	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 19:47	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 19:47	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 19:47	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 19:47	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 19:47	1
Ethylbenzene	**12.9**		1.00		ug/L			06/29/15 19:47	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 19:47	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 19:47	1
2-Hexanone	ND		10.0		ug/L			06/29/15 19:47	1
Isopropylbenzene	**2.65**		1.00		ug/L			06/29/15 19:47	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 19:47	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 19:47	1
Methyl tert-butyl ether	**3.87**		1.00		ug/L			06/29/15 19:47	1
Naphthalene	**8.86**		5.00		ug/L			06/29/15 19:47	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 19:47	1
N-Propylbenzene	**3.83**		1.00		ug/L			06/29/15 19:47	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 19:47	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 19:47	1
Styrene	ND		1.00		ug/L			06/29/15 19:47	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 19:47	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW11(062515)
Date Collected: 06/25/15 13:50
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 19:47	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 19:47	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 19:47	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 19:47	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 19:47	1
Toluene	**1.36**		1.00		ug/L			06/29/15 19:47	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 19:47	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 19:47	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 19:47	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 19:47	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 19:47	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 19:47	1
Trichloroethene	ND		1.00		ug/L			06/29/15 19:47	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 19:47	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 19:47	1
1,2,4-Trimethylbenzene	**22.6**		1.00		ug/L			06/29/15 19:47	1
1,3,5-Trimethylbenzene	**2.52**		1.00		ug/L			06/29/15 19:47	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 19:47	1
Xylenes, Total	**15.6**		3.00		ug/L			06/29/15 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/29/15 19:47*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 19:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*06/29/15 19:47*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 19:47*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**6.85**		1.00		mg/L			07/03/15 23:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**10.1**		0.100		mg/L		07/01/15 16:07	07/02/15 15:14	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**3.57**		0.100		mg/L		06/30/15 16:23	07/01/15 17:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**2.26**		0.100		mg/L			07/01/15 10:17	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW12(062515)
Date Collected: 06/25/15 14:55
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-8
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 06:59	1
Benzene	ND		1.00		ug/L			06/29/15 06:59	1
Bromobenzene	ND		1.00		ug/L			06/29/15 06:59	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 06:59	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 06:59	1
Bromoform	ND		1.00		ug/L			06/29/15 06:59	1
Bromomethane	ND		1.00		ug/L			06/29/15 06:59	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 06:59	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 06:59	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 06:59	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 06:59	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 06:59	1
Chloroethane	ND		1.00		ug/L			06/29/15 06:59	1
Chloroform	ND		1.00		ug/L			06/29/15 06:59	1
Chloromethane	ND	*	1.00		ug/L			06/29/15 06:59	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 06:59	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 06:59	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 06:59	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 06:59	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 06:59	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 06:59	1
Dibromomethane	ND		1.00		ug/L			06/29/15 06:59	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 06:59	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 06:59	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 06:59	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 06:59	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 06:59	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 06:59	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 06:59	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 06:59	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 06:59	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 06:59	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 06:59	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 06:59	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 06:59	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 06:59	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 06:59	1
2-Hexanone	ND		10.0		ug/L			06/29/15 06:59	1
Isopropylbenzene	**3.68**		1.00		ug/L			06/29/15 06:59	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 06:59	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 06:59	1
Methyl tert-butyl ether	**5.87**		1.00		ug/L			06/29/15 06:59	1
Naphthalene	ND		5.00		ug/L			06/29/15 06:59	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 06:59	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 06:59	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 06:59	1
sec-Butylbenzene	**4.19**		1.00		ug/L			06/29/15 06:59	1
Styrene	ND		1.00		ug/L			06/29/15 06:59	1
Tert-amyl methyl ether	**1.38**		1.00		ug/L			06/29/15 06:59	1

Client Sample ID: MW12(062515)
Date Collected: 06/25/15 14:55
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-8
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 06:59	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 06:59	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 06:59	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 06:59	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 06:59	1
Toluene	ND		1.00		ug/L			06/29/15 06:59	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 06:59	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 06:59	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 06:59	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 06:59	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 06:59	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 06:59	1
Trichloroethene	ND		1.00		ug/L			06/29/15 06:59	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 06:59	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 06:59	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 06:59	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 06:59	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 06:59	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 06:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/29/15 06:59*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*06/29/15 06:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*06/29/15 06:59*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 06:59*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**19.5**		1.00		mg/L			07/04/15 00:58	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.78**		0.100		mg/L		07/01/15 16:07	07/02/15 15:28	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.265**		0.100		mg/L		06/30/15 16:23	07/01/15 17:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**0.171**		0.100		mg/L			07/01/15 10:18	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW13(062515)
Date Collected: 06/25/15 11:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-9
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 07:26	1
Benzene	ND		1.00		ug/L			06/29/15 07:26	1
Bromobenzene	ND		1.00		ug/L			06/29/15 07:26	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 07:26	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 07:26	1
Bromoform	ND		1.00		ug/L			06/29/15 07:26	1
Bromomethane	ND		1.00		ug/L			06/29/15 07:26	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 07:26	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 07:26	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 07:26	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 07:26	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 07:26	1
Chloroethane	ND		1.00		ug/L			06/29/15 07:26	1
Chloroform	ND		1.00		ug/L			06/29/15 07:26	1
Chloromethane	ND	*	1.00		ug/L			06/29/15 07:26	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 07:26	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 07:26	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 07:26	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 07:26	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 07:26	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 07:26	1
Dibromomethane	ND		1.00		ug/L			06/29/15 07:26	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 07:26	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 07:26	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 07:26	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 07:26	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 07:26	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 07:26	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 07:26	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 07:26	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 07:26	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 07:26	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 07:26	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 07:26	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 07:26	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 07:26	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 07:26	1
2-Hexanone	ND		10.0		ug/L			06/29/15 07:26	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 07:26	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 07:26	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 07:26	1
Methyl tert-butyl ether	**8.19**		1.00		ug/L			06/29/15 07:26	1
Naphthalene	ND		5.00		ug/L			06/29/15 07:26	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 07:26	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 07:26	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 07:26	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 07:26	1
Styrene	ND		1.00		ug/L			06/29/15 07:26	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 07:26	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW13(062515)
Date Collected: 06/25/15 11:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-9
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	**28.6**		10.0		ug/L			06/29/15 07:26	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 07:26	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 07:26	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 07:26	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 07:26	1
Toluene	ND		1.00		ug/L			06/29/15 07:26	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 07:26	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 07:26	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 07:26	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 07:26	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 07:26	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 07:26	1
Trichloroethene	ND		1.00		ug/L			06/29/15 07:26	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 07:26	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 07:26	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 07:26	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 07:26	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 07:26	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/29/15 07:26*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*06/29/15 07:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*06/29/15 07:26*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 07:26*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**14.5**		5.00		mg/L			07/04/15 01:19	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**3.56**		0.100		mg/L		07/01/15 16:07	07/02/15 15:32	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.606**		0.100		mg/L		06/30/15 16:23	07/01/15 18:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**0.101**		0.100		mg/L			07/01/15 10:19	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW14(062515)
Date Collected: 06/25/15 10:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-10
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 07:52	1
Benzene	ND		1.00		ug/L			06/29/15 07:52	1
Bromobenzene	ND		1.00		ug/L			06/29/15 07:52	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 07:52	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 07:52	1
Bromoform	ND		1.00		ug/L			06/29/15 07:52	1
Bromomethane	ND		1.00		ug/L			06/29/15 07:52	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 07:52	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 07:52	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 07:52	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 07:52	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 07:52	1
Chloroethane	ND		1.00		ug/L			06/29/15 07:52	1
Chloroform	ND		1.00		ug/L			06/29/15 07:52	1
Chloromethane	ND	*	1.00		ug/L			06/29/15 07:52	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 07:52	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 07:52	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 07:52	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 07:52	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 07:52	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 07:52	1
Dibromomethane	ND		1.00		ug/L			06/29/15 07:52	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 07:52	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 07:52	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 07:52	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 07:52	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 07:52	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 07:52	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 07:52	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 07:52	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 07:52	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 07:52	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 07:52	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 07:52	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 07:52	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 07:52	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 07:52	1
2-Hexanone	ND		10.0		ug/L			06/29/15 07:52	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 07:52	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 07:52	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 07:52	1
Methyl tert-butyl ether	**1.11**		1.00		ug/L			06/29/15 07:52	1
Naphthalene	ND		5.00		ug/L			06/29/15 07:52	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 07:52	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 07:52	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 07:52	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 07:52	1
Styrene	ND		1.00		ug/L			06/29/15 07:52	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 07:52	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW14(062515)
Date Collected: 06/25/15 10:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-10
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 07:52	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 07:52	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 07:52	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 07:52	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 07:52	1
Toluene	ND		1.00		ug/L			06/29/15 07:52	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 07:52	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 07:52	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 07:52	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 07:52	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 07:52	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 07:52	1
Trichloroethene	ND		1.00		ug/L			06/29/15 07:52	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 07:52	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 07:52	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 07:52	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 07:52	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 07:52	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 07:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*06/29/15 07:52*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*06/29/15 07:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*06/29/15 07:52*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 07:52*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**8850**		20.0		mg/L			07/04/15 01:41	20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**8.73**		0.100		mg/L		07/01/15 16:07	07/02/15 15:36	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.10**		0.100		mg/L		06/30/15 16:23	07/01/15 18:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**0.287**		0.100		mg/L			07/01/15 10:20	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW15(062515)
Date Collected: 06/25/15 09:35
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-11
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 08:19	1
Benzene	ND		1.00		ug/L			06/29/15 08:19	1
Bromobenzene	ND		1.00		ug/L			06/29/15 08:19	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 08:19	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 08:19	1
Bromoform	ND		1.00		ug/L			06/29/15 08:19	1
Bromomethane	ND		1.00		ug/L			06/29/15 08:19	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 08:19	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 08:19	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 08:19	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 08:19	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 08:19	1
Chloroethane	ND		1.00		ug/L			06/29/15 08:19	1
Chloroform	ND		1.00		ug/L			06/29/15 08:19	1
Chloromethane	ND	*	1.00		ug/L			06/29/15 08:19	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 08:19	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 08:19	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 08:19	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 08:19	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 08:19	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 08:19	1
Dibromomethane	ND		1.00		ug/L			06/29/15 08:19	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 08:19	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 08:19	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 08:19	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 08:19	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 08:19	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 08:19	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 08:19	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 08:19	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 08:19	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 08:19	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 08:19	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 08:19	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 08:19	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 08:19	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 08:19	1
2-Hexanone	ND		10.0		ug/L			06/29/15 08:19	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 08:19	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 08:19	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 08:19	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/29/15 08:19	1
Naphthalene	ND		5.00		ug/L			06/29/15 08:19	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 08:19	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 08:19	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 08:19	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 08:19	1
Styrene	ND		1.00		ug/L			06/29/15 08:19	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 08:19	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW15(062515)
Date Collected: 06/25/15 09:35
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-11
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 08:19	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 08:19	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 08:19	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 08:19	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 08:19	1
Toluene	ND		1.00		ug/L			06/29/15 08:19	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 08:19	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 08:19	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 08:19	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 08:19	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 08:19	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 08:19	1
Trichloroethene	ND		1.00		ug/L			06/29/15 08:19	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 08:19	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 08:19	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 08:19	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 08:19	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 08:19	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*06/29/15 08:19*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*06/29/15 08:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*06/29/15 08:19*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 08:19*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**13.9**		1.00		mg/L			07/04/15 02:44	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.16**		0.100		mg/L		07/01/15 16:07	07/02/15 15:40	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.286**		0.100		mg/L		06/30/15 16:23	07/01/15 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**0.283**		0.100		mg/L			07/01/15 10:22	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW16(062515)
Date Collected: 06/25/15 15:10
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-12
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 08:45	1
Benzene	ND		1.00		ug/L			06/29/15 08:45	1
Bromobenzene	ND		1.00		ug/L			06/29/15 08:45	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 08:45	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 08:45	1
Bromoform	ND		1.00		ug/L			06/29/15 08:45	1
Bromomethane	ND		1.00		ug/L			06/29/15 08:45	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 08:45	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 08:45	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 08:45	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 08:45	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 08:45	1
Chloroethane	ND		1.00		ug/L			06/29/15 08:45	1
Chloroform	ND		1.00		ug/L			06/29/15 08:45	1
Chloromethane	ND	*	1.00		ug/L			06/29/15 08:45	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 08:45	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 08:45	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 08:45	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 08:45	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 08:45	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 08:45	1
Dibromomethane	ND		1.00		ug/L			06/29/15 08:45	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 08:45	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 08:45	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 08:45	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 08:45	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 08:45	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 08:45	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 08:45	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 08:45	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 08:45	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 08:45	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 08:45	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 08:45	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 08:45	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 08:45	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 08:45	1
2-Hexanone	ND		10.0		ug/L			06/29/15 08:45	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 08:45	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 08:45	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 08:45	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/29/15 08:45	1
Naphthalene	ND		5.00		ug/L			06/29/15 08:45	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 08:45	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 08:45	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 08:45	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 08:45	1
Styrene	ND		1.00		ug/L			06/29/15 08:45	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 08:45	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW16(062515)
Date Collected: 06/25/15 15:10
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-12
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 08:45	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 08:45	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 08:45	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 08:45	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 08:45	1
Toluene	ND		1.00		ug/L			06/29/15 08:45	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 08:45	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 08:45	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 08:45	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 08:45	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 08:45	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 08:45	1
Trichloroethene	ND		1.00		ug/L			06/29/15 08:45	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 08:45	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 08:45	1
1,2,4-Trimethylbenzene	**1.14**		1.00		ug/L			06/29/15 08:45	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 08:45	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 08:45	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 08:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*06/29/15 08:45*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*06/29/15 08:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*06/29/15 08:45*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 08:45*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**15.6**		1.00		mg/L			07/04/15 03:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.92**		0.100		mg/L		07/01/15 16:07	07/02/15 15:45	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.390**		0.100		mg/L		06/30/15 16:23	07/01/15 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**2.47**		0.100		mg/L			07/01/15 10:24	1

Client Sample ID: DUP01(062515)
Date Collected: 06/25/15 12:00
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-13
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 09:12	1
Benzene	**54.4**		1.00		ug/L			06/29/15 09:12	1
Bromobenzene	ND		1.00		ug/L			06/29/15 09:12	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 09:12	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 09:12	1
Bromoform	ND		1.00		ug/L			06/29/15 09:12	1
Bromomethane	ND		1.00		ug/L			06/29/15 09:12	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 09:12	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 09:12	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 09:12	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 09:12	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 09:12	1
Chloroethane	ND		1.00		ug/L			06/29/15 09:12	1
Chloroform	ND		1.00		ug/L			06/29/15 09:12	1
Chloromethane	ND	*	1.00		ug/L			06/29/15 09:12	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 09:12	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 09:12	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 09:12	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 09:12	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 09:12	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 09:12	1
Dibromomethane	ND		1.00		ug/L			06/29/15 09:12	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 09:12	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 09:12	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 09:12	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 09:12	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 09:12	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 09:12	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 09:12	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 09:12	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 09:12	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 09:12	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 09:12	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 09:12	1
Ethylbenzene	**724**		20.0		ug/L			06/29/15 22:25	20
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 09:12	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 09:12	1
2-Hexanone	ND		10.0		ug/L			06/29/15 09:12	1
Isopropylbenzene	**50.4**		1.00		ug/L			06/29/15 09:12	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 09:12	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 09:12	1
Methyl tert-butyl ether	**2.35**		1.00		ug/L			06/29/15 09:12	1
Naphthalene	**157**		5.00		ug/L			06/29/15 09:12	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 09:12	1
N-Propylbenzene	**109**		1.00		ug/L			06/29/15 09:12	1
p-Isopropyltoluene	**8.28**		1.00		ug/L			06/29/15 09:12	1
sec-Butylbenzene	**11.9**		1.00		ug/L			06/29/15 09:12	1
Styrene	ND		1.00		ug/L			06/29/15 09:12	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 09:12	1

Client Sample ID: DUP01(062515)
Date Collected: 06/25/15 12:00
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-13
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	**12.6**		10.0		ug/L			06/29/15 09:12	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 09:12	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 09:12	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 09:12	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 09:12	1
Toluene	**1510**		20.0		ug/L			06/29/15 22:25	20
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 09:12	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 09:12	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 09:12	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 09:12	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 09:12	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 09:12	1
Trichloroethene	ND		1.00		ug/L			06/29/15 09:12	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 09:12	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 09:12	1
1,2,4-Trimethylbenzene	**1300**		20.0		ug/L			06/29/15 22:25	20
1,3,5-Trimethylbenzene	**380**		20.0		ug/L			06/29/15 22:25	20
Vinyl chloride	ND		1.00		ug/L			06/29/15 09:12	1
Xylenes, Total	**3240**		60.0		ug/L			06/29/15 22:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*06/29/15 09:12*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/29/15 22:25*	*20*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 09:12*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*06/29/15 22:25*	*20*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*06/29/15 09:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*06/29/15 22:25*	*20*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 09:12*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 22:25*	*20*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00		mg/L			07/04/15 03:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**5.43**		0.100		mg/L		07/01/15 16:07	07/02/15 15:49	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.43**		0.100		mg/L		06/30/15 16:23	07/01/15 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	ND		0.100		mg/L			07/01/15 10:25	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: RB01(062515)
Date Collected: 06/25/15 15:40
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-14
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 20:13	1
Benzene	ND		1.00		ug/L			06/29/15 20:13	1
Bromobenzene	ND		1.00		ug/L			06/29/15 20:13	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 20:13	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 20:13	1
Bromoform	ND		1.00		ug/L			06/29/15 20:13	1
Bromomethane	ND		1.00		ug/L			06/29/15 20:13	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 20:13	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 20:13	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 20:13	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 20:13	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 20:13	1
Chloroethane	ND		1.00		ug/L			06/29/15 20:13	1
Chloroform	ND		1.00		ug/L			06/29/15 20:13	1
Chloromethane	ND		1.00		ug/L			06/29/15 20:13	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 20:13	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 20:13	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 20:13	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 20:13	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 20:13	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 20:13	1
Dibromomethane	ND		1.00		ug/L			06/29/15 20:13	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 20:13	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 20:13	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 20:13	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 20:13	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 20:13	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 20:13	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 20:13	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 20:13	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 20:13	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 20:13	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 20:13	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 20:13	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 20:13	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 20:13	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 20:13	1
2-Hexanone	ND		10.0		ug/L			06/29/15 20:13	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 20:13	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 20:13	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 20:13	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/29/15 20:13	1
Naphthalene	ND		5.00		ug/L			06/29/15 20:13	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 20:13	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 20:13	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 20:13	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 20:13	1
Styrene	ND		1.00		ug/L			06/29/15 20:13	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 20:13	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: RB01(062515)
Date Collected: 06/25/15 15:40
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-14
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 20:13	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 20:13	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 20:13	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 20:13	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 20:13	1
Toluene	ND		1.00		ug/L			06/29/15 20:13	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 20:13	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 20:13	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 20:13	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 20:13	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 20:13	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 20:13	1
Trichloroethene	ND		1.00		ug/L			06/29/15 20:13	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 20:13	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 20:13	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 20:13	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 20:13	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 20:13	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/29/15 20:13*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 20:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*06/29/15 20:13*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 20:13*	*1*

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00		mg/L			07/07/15 04:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.115**		0.100		mg/L		07/01/15 16:07	07/02/15 15:53	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.107**		0.100		mg/L		06/30/15 16:23	07/01/15 18:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	**0.114**		0.100		mg/L			07/01/15 10:26	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: TB01(062515)
Date Collected: 06/25/15 01:00
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 16:15	1
Benzene	ND		1.00		ug/L			06/29/15 16:15	1
Bromobenzene	ND		1.00		ug/L			06/29/15 16:15	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 16:15	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 16:15	1
Bromoform	ND		1.00		ug/L			06/29/15 16:15	1
Bromomethane	ND		1.00		ug/L			06/29/15 16:15	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 16:15	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 16:15	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 16:15	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 16:15	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 16:15	1
Chloroethane	ND		1.00		ug/L			06/29/15 16:15	1
Chloroform	ND		1.00		ug/L			06/29/15 16:15	1
Chloromethane	ND		1.00		ug/L			06/29/15 16:15	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 16:15	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 16:15	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 16:15	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 16:15	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 16:15	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 16:15	1
Dibromomethane	ND		1.00		ug/L			06/29/15 16:15	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 16:15	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 16:15	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 16:15	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 16:15	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 16:15	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 16:15	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 16:15	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 16:15	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 16:15	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 16:15	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 16:15	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 16:15	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 16:15	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 16:15	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 16:15	1
2-Hexanone	ND		10.0		ug/L			06/29/15 16:15	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 16:15	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 16:15	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 16:15	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/29/15 16:15	1
Naphthalene	ND		5.00		ug/L			06/29/15 16:15	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 16:15	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 16:15	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 16:15	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 16:15	1
Styrene	ND		1.00		ug/L			06/29/15 16:15	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 16:15	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: TB01(062515)
Date Collected: 06/25/15 01:00
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 16:15	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 16:15	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 16:15	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 16:15	1
Toluene	ND		1.00		ug/L			06/29/15 16:15	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 16:15	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 16:15	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 16:15	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 16:15	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 16:15	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 16:15	1
Trichloroethene	ND		1.00		ug/L			06/29/15 16:15	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 16:15	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 16:15	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 16:15	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 16:15	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 16:15	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/29/15 16:15*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 16:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*06/29/15 16:15*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 16:15*	*1*

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

Lab Sample ID: MB 490-260281/8
Matrix: Water
Analysis Batch: 260281

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 03:28	1
Benzene	ND		1.00		ug/L			06/29/15 03:28	1
Bromobenzene	ND		1.00		ug/L			06/29/15 03:28	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 03:28	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 03:28	1
Bromoform	ND		1.00		ug/L			06/29/15 03:28	1
Bromomethane	ND		1.00		ug/L			06/29/15 03:28	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 03:28	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 03:28	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 03:28	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 03:28	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 03:28	1
Chloroethane	ND		1.00		ug/L			06/29/15 03:28	1
Chloroform	ND		1.00		ug/L			06/29/15 03:28	1
Chloromethane	ND		1.00		ug/L			06/29/15 03:28	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 03:28	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 03:28	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 03:28	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 03:28	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 03:28	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 03:28	1
Dibromomethane	ND		1.00		ug/L			06/29/15 03:28	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 03:28	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 03:28	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 03:28	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 03:28	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 03:28	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 03:28	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 03:28	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 03:28	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 03:28	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 03:28	1
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 03:28	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 03:28	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 03:28	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 03:28	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 03:28	1
2-Hexanone	ND		10.0		ug/L			06/29/15 03:28	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 03:28	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 03:28	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 03:28	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/29/15 03:28	1
Naphthalene	ND		5.00		ug/L			06/29/15 03:28	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 03:28	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 03:28	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 03:28	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 03:28	1
Styrene	ND		1.00		ug/L			06/29/15 03:28	1

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

Lab Sample ID: MB 490-260281/8
Matrix: Water
Analysis Batch: 260281

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 03:28	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 03:28	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 03:28	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 03:28	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 03:28	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 03:28	1
Toluene	ND		1.00		ug/L			06/29/15 03:28	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 03:28	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 03:28	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 03:28	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 03:28	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 03:28	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 03:28	1
Trichloroethene	ND		1.00		ug/L			06/29/15 03:28	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 03:28	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 03:28	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 03:28	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 03:28	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 03:28	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 03:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/29/15 03:28*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 03:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*06/29/15 03:28*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 03:28*	*1*

Lab Sample ID: LCS 490-260281/3
Matrix: Water
Analysis Batch: 260281

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	255.9		ug/L		102	54 - 145
Benzene	50.0	49.15		ug/L		98	80 - 121
Bromobenzene	50.0	47.78		ug/L		96	68 - 130
Bromochloromethane	50.0	49.86		ug/L		100	78 - 129
Bromodichloromethane	50.0	51.72		ug/L		103	75 - 129
Bromoform	50.0	55.37		ug/L		111	46 - 145
Bromomethane	50.0	49.08		ug/L		98	41 - 150
2-Butanone (MEK)	250	252.4		ug/L		101	62 - 133
Carbon disulfide	50.0	49.60		ug/L		99	77 - 126
Carbon tetrachloride	50.0	58.15		ug/L		116	64 - 147
Chlorobenzene	50.0	48.47		ug/L		97	80 - 120
Chlorodibromomethane	50.0	54.48		ug/L		109	69 - 133
Chloroethane	50.0	51.07		ug/L		102	72 - 120
Chloroform	50.0	50.36		ug/L		101	73 - 129
Chloromethane	50.0	47.53		ug/L		95	12 - 150
2-Chlorotoluene	50.0	48.19		ug/L		96	75 - 126

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

Lab Sample ID: LCS 490-260281/3
Matrix: Water
Analysis Batch: 260281

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	48.16		ug/L		96	75 - 130
cis-1,2-Dichloroethene	50.0	47.70		ug/L		95	76 - 125
cis-1,3-Dichloropropene	50.0	50.49		ug/L		101	74 - 140
1,2-Dibromo-3-Chloropropane	50.0	52.24		ug/L		104	54 - 125
1,2-Dibromoethane (EDB)	50.0	49.65		ug/L		99	80 - 129
Dibromomethane	50.0	48.28		ug/L		97	71 - 125
1,2-Dichlorobenzene	50.0	47.68		ug/L		95	80 - 121
1,3-Dichlorobenzene	50.0	49.04		ug/L		98	80 - 122
1,4-Dichlorobenzene	50.0	50.10		ug/L		100	80 - 120
Dichlorodifluoromethane	50.0	49.59		ug/L		99	37 - 127
1,1-Dichloroethane	50.0	49.04		ug/L		98	78 - 125
1,2-Dichloroethane	50.0	48.85		ug/L		98	77 - 121
1,1-Dichloroethene	50.0	48.73		ug/L		97	79 - 124
1,2-Dichloropropane	50.0	47.97		ug/L		96	75 - 120
1,3-Dichloropropane	50.0	47.52		ug/L		95	80 - 125
2,2-Dichloropropane	50.0	40.88		ug/L		82	43 - 161
1,1-Dichloropropene	50.0	48.55		ug/L		97	80 - 122
Diisopropyl ether	50.0	48.66		ug/L		97	61 - 142
Ethylbenzene	50.0	49.27		ug/L		99	80 - 130
Ethyl tert-butyl ether	50.0	47.70		ug/L		95	63 - 135
Hexachlorobutadiene	50.0	48.74		ug/L		97	49 - 146
2-Hexanone	250	244.4		ug/L		98	60 - 142
Isopropylbenzene	50.0	49.44		ug/L		99	80 - 141
Methylene Chloride	50.0	51.55		ug/L		103	79 - 123
4-Methyl-2-pentanone (MIBK)	250	235.4		ug/L		94	60 - 137
Methyl tert-butyl ether	50.0	48.17		ug/L		96	72 - 133
Naphthalene	50.0	54.92		ug/L		110	62 - 138
n-Butylbenzene	50.0	49.25		ug/L		98	68 - 132
N-Propylbenzene	50.0	49.15		ug/L		98	75 - 129
p-Isopropyltoluene	50.0	49.45		ug/L		99	75 - 128
sec-Butylbenzene	50.0	49.45		ug/L		99	76 - 128
Styrene	50.0	49.62		ug/L		99	80 - 127
Tert-amyl methyl ether	50.0	47.41		ug/L		95	63 - 135
tert-Butyl alcohol (TBA)	500	448.0		ug/L		90	54 - 150
tert-Butylbenzene	50.0	49.22		ug/L		98	76 - 126
1,1,1,2-Tetrachloroethane	50.0	52.68		ug/L		105	74 - 135
1,1,2,2-Tetrachloroethane	50.0	48.14		ug/L		96	69 - 131
Tetrachloroethene	50.0	46.83		ug/L		94	80 - 126
Toluene	50.0	47.92		ug/L		96	80 - 126
trans-1,2-Dichloroethene	50.0	49.43		ug/L		99	79 - 126
trans-1,3-Dichloropropene	50.0	52.06		ug/L		104	63 - 134
1,2,3-Trichlorobenzene	50.0	53.16		ug/L		106	62 - 133
1,2,4-Trichlorobenzene	50.0	51.66		ug/L		103	63 - 133
1,1,1-Trichloroethane	50.0	49.34		ug/L		99	78 - 135
1,1,2-Trichloroethane	50.0	48.06		ug/L		96	80 - 124
Trichloroethene	50.0	49.90		ug/L		100	80 - 123
Trichlorofluoromethane	50.0	47.56		ug/L		95	65 - 124
1,2,3-Trichloropropane	50.0	50.00		ug/L		100	70 - 131

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

Lab Sample ID: LCS 490-260281/3
Matrix: Water
Analysis Batch: 260281

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	50.0	49.56		ug/L		99	77 - 126
1,3,5-Trimethylbenzene	50.0	48.88		ug/L		98	77 - 127
Vinyl chloride	50.0	50.50		ug/L		101	68 - 120
Xylenes, Total	100	97.66		ug/L		98	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 490-260281/4
Matrix: Water
Analysis Batch: 260281

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	258.6		ug/L		103	54 - 145	1	21
Benzene	50.0	48.41		ug/L		97	80 - 121	2	17
Bromobenzene	50.0	46.67		ug/L		93	68 - 130	2	20
Bromochloromethane	50.0	49.57		ug/L		99	78 - 129	1	17
Bromodichloromethane	50.0	50.52		ug/L		101	75 - 129	2	18
Bromoform	50.0	54.89		ug/L		110	46 - 145	1	16
Bromomethane	50.0	42.04		ug/L		84	41 - 150	15	50
2-Butanone (MEK)	250	243.8		ug/L		98	62 - 133	3	19
Carbon disulfide	50.0	48.60		ug/L		97	77 - 126	2	21
Carbon tetrachloride	50.0	57.44		ug/L		115	64 - 147	1	19
Chlorobenzene	50.0	47.97		ug/L		96	80 - 120	1	14
Chlorodibromomethane	50.0	53.86		ug/L		108	69 - 133	1	15
Chloroethane	50.0	47.87		ug/L		96	72 - 120	6	20
Chloroform	50.0	49.49		ug/L		99	73 - 129	2	18
Chloromethane	50.0	34.43	*	ug/L		69	12 - 150	32	31
2-Chlorotoluene	50.0	46.81		ug/L		94	75 - 126	3	17
4-Chlorotoluene	50.0	47.10		ug/L		94	75 - 130	2	18
cis-1,2-Dichloroethene	50.0	47.50		ug/L		95	76 - 125	0	17
cis-1,3-Dichloropropene	50.0	50.15		ug/L		100	74 - 140	1	15
1,2-Dibromo-3-Chloropropane	50.0	48.19		ug/L		96	54 - 125	8	24
1,2-Dibromoethane (EDB)	50.0	49.20		ug/L		98	80 - 129	1	15
Dibromomethane	50.0	47.71		ug/L		95	71 - 125	1	16
1,2-Dichlorobenzene	50.0	46.59		ug/L		93	80 - 121	2	15
1,3-Dichlorobenzene	50.0	47.46		ug/L		95	80 - 122	3	15
1,4-Dichlorobenzene	50.0	48.59		ug/L		97	80 - 120	3	15
Dichlorodifluoromethane	50.0	49.39		ug/L		99	37 - 127	0	18
1,1-Dichloroethane	50.0	48.64		ug/L		97	78 - 125	1	17
1,2-Dichloroethane	50.0	47.85		ug/L		96	77 - 121	2	17
1,1-Dichloroethene	50.0	48.05		ug/L		96	79 - 124	1	17
1,2-Dichloropropane	50.0	47.52		ug/L		95	75 - 120	1	17
1,3-Dichloropropane	50.0	46.75		ug/L		94	80 - 125	2	14
2,2-Dichloropropane	50.0	40.30		ug/L		81	43 - 161	1	18

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

Lab Sample ID: LCSD 490-260281/4
Matrix: Water
Analysis Batch: 260281

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene			50.0	48.36		ug/L		97	80 - 122	0	17
Diisopropyl ether			50.0	48.17		ug/L		96	61 - 142	1	50
Ethylbenzene			50.0	48.80		ug/L		98	80 - 130	1	15
Ethyl tert-butyl ether			50.0	47.45		ug/L		95	63 - 135	1	19
Hexachlorobutadiene			50.0	47.23		ug/L		94	49 - 146	3	23
2-Hexanone			250	239.5		ug/L		96	60 - 142	2	15
Isopropylbenzene			50.0	49.32		ug/L		99	80 - 141	0	16
Methylene Chloride			50.0	50.01		ug/L		100	79 - 123	3	17
4-Methyl-2-pentanone (MIBK)			250	230.5		ug/L		92	60 - 137	2	17
Methyl tert-butyl ether			50.0	47.45		ug/L		95	72 - 133	2	16
Naphthalene			50.0	53.21		ug/L		106	62 - 138	3	26
n-Butylbenzene			50.0	47.73		ug/L		95	68 - 132	3	18
N-Propylbenzene			50.0	48.11		ug/L		96	75 - 129	2	17
p-Isopropyltoluene			50.0	48.29		ug/L		97	75 - 128	2	16
sec-Butylbenzene			50.0	48.13		ug/L		96	76 - 128	3	16
Styrene			50.0	49.47		ug/L		99	80 - 127	0	24
Tert-amyl methyl ether			50.0	48.54		ug/L		97	63 - 135	2	15
tert-Butyl alcohol (TBA)			500	426.1		ug/L		85	54 - 150	5	32
tert-Butylbenzene			50.0	48.37		ug/L		97	76 - 126	2	16
1,1,1,2-Tetrachloroethane			50.0	52.29		ug/L		105	74 - 135	1	16
1,1,2,2-Tetrachloroethane			50.0	46.60		ug/L		93	69 - 131	3	20
Tetrachloroethene			50.0	46.35		ug/L		93	80 - 126	1	16
Toluene			50.0	47.49		ug/L		95	80 - 126	1	15
trans-1,2-Dichloroethene			50.0	48.75		ug/L		97	79 - 126	1	16
trans-1,3-Dichloropropene			50.0	51.42		ug/L		103	63 - 134	1	14
1,2,3-Trichlorobenzene			50.0	50.21		ug/L		100	62 - 133	6	25
1,2,4-Trichlorobenzene			50.0	48.92		ug/L		98	63 - 133	5	19
1,1,1-Trichloroethane			50.0	48.63		ug/L		97	78 - 135	1	17
1,1,2-Trichloroethane			50.0	47.27		ug/L		95	80 - 124	2	15
Trichloroethene			50.0	48.79		ug/L		98	80 - 123	2	17
Trichlorofluoromethane			50.0	47.99		ug/L		96	65 - 124	1	18
1,2,3-Trichloropropane			50.0	49.13		ug/L		98	70 - 131	2	19
1,2,4-Trimethylbenzene			50.0	48.25		ug/L		97	77 - 126	3	16
1,3,5-Trimethylbenzene			50.0	47.95		ug/L		96	77 - 127	2	17
Vinyl chloride			50.0	49.05		ug/L		98	68 - 120	3	17
Xylenes, Total			100	96.99		ug/L		97	80 - 132	1	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

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

Lab Sample ID: 490-81527-9 MS
Matrix: Ground Water
Analysis Batch: 260281

Client Sample ID: MW13(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		250	225.5		ug/L		90	45 - 141
Benzene	ND		50.0	51.36		ug/L		103	75 - 133
Bromobenzene	ND		50.0	47.57		ug/L		95	60 - 138
Bromochloromethane	ND		50.0	49.57		ug/L		99	67 - 139
Bromodichloromethane	ND		50.0	52.49		ug/L		105	70 - 140
Bromoform	ND		50.0	52.77		ug/L		106	42 - 147
Bromomethane	ND		50.0	38.46		ug/L		77	16 - 163
2-Butanone (MEK)	ND		250	233.7		ug/L		93	50 - 138
Carbon disulfide	ND		50.0	55.36		ug/L		111	48 - 152
Carbon tetrachloride	ND		50.0	63.61		ug/L		127	62 - 164
Chlorobenzene	ND		50.0	49.45		ug/L		99	80 - 129
Chlorodibromomethane	ND		50.0	54.26		ug/L		109	66 - 140
Chloroethane	ND		50.0	50.78		ug/L		102	58 - 137
Chloroform	ND		50.0	50.75		ug/L		102	66 - 138
Chloromethane	ND	*	50.0	33.31		ug/L		67	10 - 169
2-Chlorotoluene	ND		50.0	49.46		ug/L		99	67 - 138
4-Chlorotoluene	ND		50.0	49.54		ug/L		99	69 - 138
cis-1,2-Dichloroethene	ND		50.0	50.74		ug/L		101	68 - 138
cis-1,3-Dichloropropene	ND		50.0	52.97		ug/L		106	71 - 141
1,2-Dibromo-3-Chloropropane	ND		50.0	46.86		ug/L		94	52 - 126
1,2-Dibromoethane (EDB)	ND		50.0	48.94		ug/L		98	75 - 137
Dibromomethane	ND		50.0	47.43		ug/L		95	58 - 140
1,2-Dichlorobenzene	ND		50.0	47.27		ug/L		95	79 - 128
1,3-Dichlorobenzene	ND		50.0	49.14		ug/L		98	77 - 131
1,4-Dichlorobenzene	ND		50.0	48.56		ug/L		97	78 - 126
Dichlorodifluoromethane	ND		50.0	58.85		ug/L		118	40 - 127
1,1-Dichloroethane	ND		50.0	51.43		ug/L		103	71 - 139
1,2-Dichloroethane	ND		50.0	48.38		ug/L		97	64 - 136
1,1-Dichloroethene	ND		50.0	53.76		ug/L		108	70 - 142
1,2-Dichloropropane	ND		50.0	48.72		ug/L		97	67 - 131
1,3-Dichloropropane	ND		50.0	46.67		ug/L		93	72 - 134
2,2-Dichloropropane	ND		50.0	53.49		ug/L		107	37 - 175
1,1-Dichloropropene	ND		50.0	53.59		ug/L		107	76 - 139
Diisopropyl ether	ND		50.0	49.07		ug/L		98	10 - 200
Ethylbenzene	ND		50.0	51.21		ug/L		102	79 - 139
Ethyl tert-butyl ether	ND		50.0	47.98		ug/L		96	60 - 138
Hexachlorobutadiene	ND		50.0	50.16		ug/L		100	45 - 155
2-Hexanone	ND		250	227.6		ug/L		91	50 - 150
Isopropylbenzene	ND		50.0	51.54		ug/L		103	80 - 153
Methylene Chloride	ND		50.0	51.94		ug/L		104	64 - 139
4-Methyl-2-pentanone (MIBK)	ND		250	224.2		ug/L		90	50 - 147
Methyl tert-butyl ether	8.19		50.0	55.58		ug/L		95	66 - 141
Naphthalene	ND		50.0	45.30		ug/L		88	55 - 140
n-Butylbenzene	ND		50.0	51.91		ug/L		104	66 - 141
N-Propylbenzene	ND		50.0	51.80		ug/L		104	69 - 142
p-Isopropyltoluene	ND		50.0	51.79		ug/L		104	71 - 137
sec-Butylbenzene	ND		50.0	51.76		ug/L		104	73 - 138
Styrene	ND		50.0	50.22		ug/L		100	61 - 148

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

Lab Sample ID: 490-81527-9 MS
Matrix: Ground Water
Analysis Batch: 260281

Client Sample ID: MW13(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tert-amyl methyl ether	ND		50.0	48.85		ug/L		98	61 - 138
tert-Butyl alcohol (TBA)	28.6		500	465.5		ug/L		87	50 - 183
tert-Butylbenzene	ND		50.0	50.98		ug/L		102	70 - 138
1,1,1,2-Tetrachloroethane	ND		50.0	52.90		ug/L		106	73 - 141
1,1,2,2-Tetrachloroethane	ND		50.0	47.21		ug/L		94	56 - 143
Tetrachloroethene	ND		50.0	51.16		ug/L		102	72 - 145
Toluene	ND		50.0	49.95		ug/L		100	75 - 136
trans-1,2-Dichloroethene	ND		50.0	52.84		ug/L		106	66 - 143
trans-1,3-Dichloropropene	ND		50.0	53.16		ug/L		106	59 - 135
1,2,3-Trichlorobenzene	ND		50.0	40.95		ug/L		82	55 - 138
1,2,4-Trichlorobenzene	ND		50.0	46.57		ug/L		93	60 - 136
1,1,1-Trichloroethane	ND		50.0	52.93		ug/L		106	76 - 149
1,1,2-Trichloroethane	ND		50.0	47.34		ug/L		95	74 - 134
Trichloroethene	ND		50.0	50.92		ug/L		102	73 - 144
Trichlorofluoromethane	ND		50.0	52.43		ug/L		105	58 - 139
1,2,3-Trichloropropane	ND		50.0	48.03		ug/L		96	53 - 144
1,2,4-Trimethylbenzene	ND		50.0	50.89		ug/L		101	69 - 136
1,3,5-Trimethylbenzene	ND		50.0	50.29		ug/L		101	69 - 139
Vinyl chloride	ND		50.0	53.03		ug/L		106	56 - 129
Xylenes, Total	ND		100	101.0		ug/L		101	74 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 490-81527-9 MSD
Matrix: Ground Water
Analysis Batch: 260281

Client Sample ID: MW13(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		250	244.2		ug/L		98	45 - 141	8	21
Benzene	ND		50.0	51.95		ug/L		104	75 - 133	1	17
Bromobenzene	ND		50.0	49.44		ug/L		99	60 - 138	4	20
Bromochloromethane	ND		50.0	50.71		ug/L		101	67 - 139	2	17
Bromodichloromethane	ND		50.0	53.26		ug/L		107	70 - 140	1	18
Bromoform	ND		50.0	56.12		ug/L		112	42 - 147	6	16
Bromomethane	ND		50.0	46.67		ug/L		93	16 - 163	19	50
2-Butanone (MEK)	ND		250	243.4		ug/L		97	50 - 138	4	19
Carbon disulfide	ND		50.0	55.76		ug/L		112	48 - 152	1	21
Carbon tetrachloride	ND		50.0	64.65		ug/L		129	62 - 164	2	19
Chlorobenzene	ND		50.0	50.24		ug/L		100	80 - 129	2	14
Chlorodibromomethane	ND		50.0	56.00		ug/L		112	66 - 140	3	15
Chloroethane	ND		50.0	51.53		ug/L		103	58 - 137	1	20
Chloroform	ND		50.0	51.90		ug/L		104	66 - 138	2	18
Chloromethane	ND	*	50.0	36.80		ug/L		74	10 - 169	10	31
2-Chlorotoluene	ND		50.0	50.64		ug/L		101	67 - 138	2	17

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

Lab Sample ID: 490-81527-9 MSD
Matrix: Ground Water
Analysis Batch: 260281

Client Sample ID: MW13(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorotoluene	ND		50.0	51.16		ug/L		102	69 - 138	3	18
cis-1,2-Dichloroethene	ND		50.0	52.05		ug/L		104	68 - 138	3	17
cis-1,3-Dichloropropene	ND		50.0	54.18		ug/L		108	71 - 141	2	15
1,2-Dibromo-3-Chloropropane	ND		50.0	50.17		ug/L		100	52 - 126	7	24
1,2-Dibromoethane (EDB)	ND		50.0	50.76		ug/L		102	75 - 137	4	15
Dibromomethane	ND		50.0	48.68		ug/L		97	58 - 140	3	16
1,2-Dichlorobenzene	ND		50.0	49.49		ug/L		99	79 - 128	5	15
1,3-Dichlorobenzene	ND		50.0	50.36		ug/L		101	77 - 131	2	15
1,4-Dichlorobenzene	ND		50.0	50.84		ug/L		102	78 - 126	5	15
Dichlorodifluoromethane	ND		50.0	59.24		ug/L		118	40 - 127	1	18
1,1-Dichloroethane	ND		50.0	50.82		ug/L		102	71 - 139	1	17
1,2-Dichloroethane	ND		50.0	49.46		ug/L		99	64 - 136	2	17
1,1-Dichloroethene	ND		50.0	54.69		ug/L		109	70 - 142	2	17
1,2-Dichloropropane	ND		50.0	49.66		ug/L		99	67 - 131	2	17
1,3-Dichloropropane	ND		50.0	48.18		ug/L		96	72 - 134	3	14
2,2-Dichloropropane	ND		50.0	53.89		ug/L		108	37 - 175	1	18
1,1-Dichloropropene	ND		50.0	53.86		ug/L		108	76 - 139	0	17
Diisopropyl ether	ND		50.0	49.88		ug/L		100	10 - 200	2	50
Ethylbenzene	ND		50.0	52.20		ug/L		104	79 - 139	2	15
Ethyl tert-butyl ether	ND		50.0	49.31		ug/L		99	60 - 138	3	19
Hexachlorobutadiene	ND		50.0	53.86		ug/L		108	45 - 155	7	23
2-Hexanone	ND		250	241.4		ug/L		97	50 - 150	6	15
Isopropylbenzene	ND		50.0	52.58		ug/L		105	80 - 153	2	16
Methylene Chloride	ND		50.0	52.73		ug/L		105	64 - 139	2	17
4-Methyl-2-pentanone (MIBK)	ND		250	235.6		ug/L		94	50 - 147	5	17
Methyl tert-butyl ether	8.19		50.0	57.08		ug/L		98	66 - 141	3	16
Naphthalene	ND		50.0	53.27		ug/L		104	55 - 140	16	26
n-Butylbenzene	ND		50.0	53.87		ug/L		108	66 - 141	4	18
N-Propylbenzene	ND		50.0	52.82		ug/L		106	69 - 142	2	17
p-Isopropyltoluene	ND		50.0	53.27		ug/L		107	71 - 137	3	16
sec-Butylbenzene	ND		50.0	53.71		ug/L		107	73 - 138	4	16
Styrene	ND		50.0	51.04		ug/L		102	61 - 148	2	24
Tert-amyl methyl ether	ND		50.0	50.98		ug/L		102	61 - 138	4	15
tert-Butyl alcohol (TBA)	28.6		500	490.2		ug/L		92	50 - 183	5	32
tert-Butylbenzene	ND		50.0	52.90		ug/L		106	70 - 138	4	16
1,1,1,2-Tetrachloroethane	ND		50.0	54.41		ug/L		109	73 - 141	3	16
1,1,2,2-Tetrachloroethane	ND		50.0	49.83		ug/L		100	56 - 143	5	20
Tetrachloroethene	ND		50.0	52.18		ug/L		104	72 - 145	2	16
Toluene	ND		50.0	50.98		ug/L		102	75 - 136	2	15
trans-1,2-Dichloroethene	ND		50.0	53.13		ug/L		106	66 - 143	1	16
trans-1,3-Dichloropropene	ND		50.0	55.65		ug/L		111	59 - 135	5	14
1,2,3-Trichlorobenzene	ND		50.0	50.95		ug/L		102	55 - 138	22	25
1,2,4-Trichlorobenzene	ND		50.0	52.26		ug/L		105	60 - 136	12	19
1,1,1-Trichloroethane	ND		50.0	54.16		ug/L		108	76 - 149	2	17
1,1,2-Trichloroethane	ND		50.0	48.83		ug/L		98	74 - 134	3	15
Trichloroethene	ND		50.0	52.39		ug/L		105	73 - 144	3	17
Trichlorofluoromethane	ND		50.0	53.42		ug/L		107	58 - 139	2	18
1,2,3-Trichloropropane	ND		50.0	49.72		ug/L		99	53 - 144	3	19

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

Lab Sample ID: 490-81527-9 MSD
Matrix: Ground Water
Analysis Batch: 260281

Client Sample ID: MW13(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	ND		50.0	52.22		ug/L		104	69 - 136	3	16
1,3,5-Trimethylbenzene	ND		50.0	51.80		ug/L		104	69 - 139	3	17
Vinyl chloride	ND		50.0	54.92		ug/L		110	56 - 129	4	17
Xylenes, Total	ND		100	102.8		ug/L		103	74 - 141	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 490-260433/9
Matrix: Water
Analysis Batch: 260433

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/L			06/29/15 15:21	1
Benzene	ND		1.00		ug/L			06/29/15 15:21	1
Bromobenzene	ND		1.00		ug/L			06/29/15 15:21	1
Bromochloromethane	ND		1.00		ug/L			06/29/15 15:21	1
Bromodichloromethane	ND		1.00		ug/L			06/29/15 15:21	1
Bromoform	ND		1.00		ug/L			06/29/15 15:21	1
Bromomethane	ND		1.00		ug/L			06/29/15 15:21	1
2-Butanone (MEK)	ND		50.0		ug/L			06/29/15 15:21	1
Carbon disulfide	ND		1.00		ug/L			06/29/15 15:21	1
Carbon tetrachloride	ND		1.00		ug/L			06/29/15 15:21	1
Chlorobenzene	ND		1.00		ug/L			06/29/15 15:21	1
Chlorodibromomethane	ND		1.00		ug/L			06/29/15 15:21	1
Chloroethane	ND		1.00		ug/L			06/29/15 15:21	1
Chloroform	ND		1.00		ug/L			06/29/15 15:21	1
Chloromethane	ND		1.00		ug/L			06/29/15 15:21	1
2-Chlorotoluene	ND		1.00		ug/L			06/29/15 15:21	1
4-Chlorotoluene	ND		1.00		ug/L			06/29/15 15:21	1
cis-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 15:21	1
cis-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 15:21	1
1,2-Dibromo-3-Chloropropane	ND		10.0		ug/L			06/29/15 15:21	1
1,2-Dibromoethane (EDB)	ND		1.00		ug/L			06/29/15 15:21	1
Dibromomethane	ND		1.00		ug/L			06/29/15 15:21	1
1,2-Dichlorobenzene	ND		1.00		ug/L			06/29/15 15:21	1
1,3-Dichlorobenzene	ND		1.00		ug/L			06/29/15 15:21	1
1,4-Dichlorobenzene	ND		1.00		ug/L			06/29/15 15:21	1
Dichlorodifluoromethane	ND		1.00		ug/L			06/29/15 15:21	1
1,1-Dichloroethane	ND		1.00		ug/L			06/29/15 15:21	1
1,2-Dichloroethane	ND		1.00		ug/L			06/29/15 15:21	1
1,1-Dichloroethene	ND		1.00		ug/L			06/29/15 15:21	1
1,2-Dichloropropane	ND		1.00		ug/L			06/29/15 15:21	1
1,3-Dichloropropane	ND		1.00		ug/L			06/29/15 15:21	1
2,2-Dichloropropane	ND		1.00		ug/L			06/29/15 15:21	1

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

Lab Sample ID: MB 490-260433/9
Matrix: Water
Analysis Batch: 260433

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.00		ug/L			06/29/15 15:21	1
Diisopropyl ether	ND		2.00		ug/L			06/29/15 15:21	1
Ethylbenzene	ND		1.00		ug/L			06/29/15 15:21	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/29/15 15:21	1
Hexachlorobutadiene	ND		2.00		ug/L			06/29/15 15:21	1
2-Hexanone	ND		10.0		ug/L			06/29/15 15:21	1
Isopropylbenzene	ND		1.00		ug/L			06/29/15 15:21	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 15:21	1
4-Methyl-2-pentanone (MIBK)	ND		10.0		ug/L			06/29/15 15:21	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/29/15 15:21	1
Naphthalene	ND		5.00		ug/L			06/29/15 15:21	1
n-Butylbenzene	ND		1.00		ug/L			06/29/15 15:21	1
N-Propylbenzene	ND		1.00		ug/L			06/29/15 15:21	1
p-Isopropyltoluene	ND		1.00		ug/L			06/29/15 15:21	1
sec-Butylbenzene	ND		1.00		ug/L			06/29/15 15:21	1
Styrene	ND		1.00		ug/L			06/29/15 15:21	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/29/15 15:21	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/29/15 15:21	1
tert-Butylbenzene	ND		1.00		ug/L			06/29/15 15:21	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 15:21	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L			06/29/15 15:21	1
Tetrachloroethene	ND		1.00		ug/L			06/29/15 15:21	1
Toluene	ND		1.00		ug/L			06/29/15 15:21	1
trans-1,2-Dichloroethene	ND		1.00		ug/L			06/29/15 15:21	1
trans-1,3-Dichloropropene	ND		1.00		ug/L			06/29/15 15:21	1
1,2,3-Trichlorobenzene	ND		1.00		ug/L			06/29/15 15:21	1
1,2,4-Trichlorobenzene	ND		1.00		ug/L			06/29/15 15:21	1
1,1,1-Trichloroethane	ND		1.00		ug/L			06/29/15 15:21	1
1,1,2-Trichloroethane	ND		1.00		ug/L			06/29/15 15:21	1
Trichloroethene	ND		1.00		ug/L			06/29/15 15:21	1
Trichlorofluoromethane	ND		1.00		ug/L			06/29/15 15:21	1
1,2,3-Trichloropropane	ND		1.00		ug/L			06/29/15 15:21	1
1,2,4-Trimethylbenzene	ND		1.00		ug/L			06/29/15 15:21	1
1,3,5-Trimethylbenzene	ND		1.00		ug/L			06/29/15 15:21	1
Vinyl chloride	ND		1.00		ug/L			06/29/15 15:21	1
Xylenes, Total	ND		3.00		ug/L			06/29/15 15:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/29/15 15:21*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*06/29/15 15:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*06/29/15 15:21*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 15:21*	*1*

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

Lab Sample ID: LCS 490-260433/3
Matrix: Water
Analysis Batch: 260433

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	261.4		ug/L		105	54 - 145
Benzene	50.0	51.32		ug/L		103	80 - 121
Bromobenzene	50.0	49.96		ug/L		100	68 - 130
Bromochloromethane	50.0	51.13		ug/L		102	78 - 129
Bromodichloromethane	50.0	53.27		ug/L		107	75 - 129
Bromoform	50.0	56.22		ug/L		112	46 - 145
Bromomethane	50.0	44.92		ug/L		90	41 - 150
2-Butanone (MEK)	250	250.0		ug/L		100	62 - 133
Carbon disulfide	50.0	51.82		ug/L		104	77 - 126
Carbon tetrachloride	50.0	56.52		ug/L		113	64 - 147
Chlorobenzene	50.0	50.43		ug/L		101	80 - 120
Chlorodibromomethane	50.0	55.06		ug/L		110	69 - 133
Chloroethane	50.0	48.36		ug/L		97	72 - 120
Chloroform	50.0	51.69		ug/L		103	73 - 129
Chloromethane	50.0	37.73		ug/L		75	12 - 150
2-Chlorotoluene	50.0	50.62		ug/L		101	75 - 126
4-Chlorotoluene	50.0	50.62		ug/L		101	75 - 130
cis-1,2-Dichloroethene	50.0	51.18		ug/L		102	76 - 125
cis-1,3-Dichloropropene	50.0	54.26		ug/L		109	74 - 140
1,2-Dibromo-3-Chloropropane	50.0	50.97		ug/L		102	54 - 125
1,2-Dibromoethane (EDB)	50.0	50.56		ug/L		101	80 - 129
Dibromomethane	50.0	49.05		ug/L		98	71 - 125
1,2-Dichlorobenzene	50.0	49.72		ug/L		99	80 - 121
1,3-Dichlorobenzene	50.0	50.79		ug/L		102	80 - 122
1,4-Dichlorobenzene	50.0	51.64		ug/L		103	80 - 120
Dichlorodifluoromethane	50.0	46.59		ug/L		93	37 - 127
1,1-Dichloroethane	50.0	51.10		ug/L		102	78 - 125
1,2-Dichloroethane	50.0	49.66		ug/L		99	77 - 121
1,1-Dichloroethene	50.0	51.02		ug/L		102	79 - 124
1,2-Dichloropropane	50.0	49.63		ug/L		99	75 - 120
1,3-Dichloropropane	50.0	48.41		ug/L		97	80 - 125
2,2-Dichloropropane	50.0	50.69		ug/L		101	43 - 161
1,1-Dichloropropene	50.0	51.12		ug/L		102	80 - 122
Diisopropyl ether	50.0	49.65		ug/L		99	61 - 142
Ethylbenzene	50.0	51.06		ug/L		102	80 - 130
Ethyl tert-butyl ether	50.0	49.34		ug/L		99	63 - 135
Hexachlorobutadiene	50.0	45.67		ug/L		91	49 - 146
2-Hexanone	250	235.8		ug/L		94	60 - 142
Isopropylbenzene	50.0	51.79		ug/L		104	80 - 141
Methylene Chloride	50.0	52.95		ug/L		106	79 - 123
4-Methyl-2-pentanone (MIBK)	250	229.2		ug/L		92	60 - 137
Methyl tert-butyl ether	50.0	49.01		ug/L		98	72 - 133
Naphthalene	50.0	57.33		ug/L		115	62 - 138
n-Butylbenzene	50.0	50.60		ug/L		101	68 - 132
N-Propylbenzene	50.0	51.24		ug/L		102	75 - 129
p-Isopropyltoluene	50.0	51.23		ug/L		102	75 - 128
sec-Butylbenzene	50.0	50.95		ug/L		102	76 - 128
Styrene	50.0	51.29		ug/L		103	80 - 127

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

Lab Sample ID: LCS 490-260433/3
Matrix: Water
Analysis Batch: 260433

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tert-amyl methyl ether	50.0	49.72		ug/L		99	63 - 135
tert-Butyl alcohol (TBA)	500	427.6		ug/L		86	54 - 150
tert-Butylbenzene	50.0	51.48		ug/L		103	76 - 126
1,1,1,2-Tetrachloroethane	50.0	54.06		ug/L		108	74 - 135
1,1,2,2-Tetrachloroethane	50.0	49.07		ug/L		98	69 - 131
Tetrachloroethene	50.0	49.73		ug/L		99	80 - 126
Toluene	50.0	49.89		ug/L		100	80 - 126
trans-1,2-Dichloroethene	50.0	51.83		ug/L		104	79 - 126
trans-1,3-Dichloropropene	50.0	55.42		ug/L		111	63 - 134
1,2,3-Trichlorobenzene	50.0	54.20		ug/L		108	62 - 133
1,2,4-Trichlorobenzene	50.0	55.09		ug/L		110	63 - 133
1,1,1-Trichloroethane	50.0	50.99		ug/L		102	78 - 135
1,1,2-Trichloroethane	50.0	49.35		ug/L		99	80 - 124
Trichloroethene	50.0	50.74		ug/L		101	80 - 123
Trichlorofluoromethane	50.0	46.97		ug/L		94	65 - 124
1,2,3-Trichloropropane	50.0	49.15		ug/L		98	70 - 131
1,2,4-Trimethylbenzene	50.0	51.71		ug/L		103	77 - 126
1,3,5-Trimethylbenzene	50.0	50.81		ug/L		102	77 - 127
Vinyl chloride	50.0	49.26		ug/L		99	68 - 120
Xylenes, Total	100	101.8		ug/L		102	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 490-260433/4
Matrix: Water
Analysis Batch: 260433

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	242.7		ug/L		97	54 - 145	7	21
Benzene	50.0	50.67		ug/L		101	80 - 121	1	17
Bromobenzene	50.0	48.84		ug/L		98	68 - 130	2	20
Bromochloromethane	50.0	50.73		ug/L		101	78 - 129	1	17
Bromodichloromethane	50.0	53.82		ug/L		108	75 - 129	1	18
Bromoform	50.0	57.87		ug/L		116	46 - 145	3	16
Bromomethane	50.0	45.14		ug/L		90	41 - 150	0	50
2-Butanone (MEK)	250	253.6		ug/L		101	62 - 133	1	19
Carbon disulfide	50.0	51.87		ug/L		104	77 - 126	0	21
Carbon tetrachloride	50.0	56.05		ug/L		112	64 - 147	1	19
Chlorobenzene	50.0	50.13		ug/L		100	80 - 120	1	14
Chlorodibromomethane	50.0	56.80		ug/L		114	69 - 133	3	15
Chloroethane	50.0	48.49		ug/L		97	72 - 120	0	20
Chloroform	50.0	51.37		ug/L		103	73 - 129	1	18
Chloromethane	50.0	37.89		ug/L		76	12 - 150	0	31
2-Chlorotoluene	50.0	49.19		ug/L		98	75 - 126	3	17

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

Lab Sample ID: LCSD 490-260433/4
Matrix: Water
Analysis Batch: 260433

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorotoluene	50.0	49.53		ug/L		99	75 - 130	2	18
cis-1,2-Dichloroethene	50.0	51.01		ug/L		102	76 - 125	0	17
cis-1,3-Dichloropropene	50.0	54.55		ug/L		109	74 - 140	1	15
1,2-Dibromo-3-Chloropropane	50.0	52.29		ug/L		105	54 - 125	3	24
1,2-Dibromoethane (EDB)	50.0	51.75		ug/L		104	80 - 129	2	15
Dibromomethane	50.0	50.32		ug/L		101	71 - 125	3	16
1,2-Dichlorobenzene	50.0	49.09		ug/L		98	80 - 121	1	15
1,3-Dichlorobenzene	50.0	50.19		ug/L		100	80 - 122	1	15
1,4-Dichlorobenzene	50.0	51.52		ug/L		103	80 - 120	0	15
Dichlorodifluoromethane	50.0	45.47		ug/L		91	37 - 127	2	18
1,1-Dichloroethane	50.0	50.73		ug/L		101	78 - 125	1	17
1,2-Dichloroethane	50.0	50.59		ug/L		101	77 - 121	2	17
1,1-Dichloroethene	50.0	50.36		ug/L		101	79 - 124	1	17
1,2-Dichloropropane	50.0	49.53		ug/L		99	75 - 120	0	17
1,3-Dichloropropane	50.0	49.66		ug/L		99	80 - 125	3	14
2,2-Dichloropropane	50.0	49.80		ug/L		100	43 - 161	2	18
1,1-Dichloropropene	50.0	50.55		ug/L		101	80 - 122	1	17
Diisopropyl ether	50.0	50.56		ug/L		101	61 - 142	2	50
Ethylbenzene	50.0	50.55		ug/L		101	80 - 130	1	15
Ethyl tert-butyl ether	50.0	50.50		ug/L		101	63 - 135	2	19
Hexachlorobutadiene	50.0	45.26		ug/L		91	49 - 146	1	23
2-Hexanone	250	248.7		ug/L		99	60 - 142	5	15
Isopropylbenzene	50.0	51.45		ug/L		103	80 - 141	1	16
Methylene Chloride	50.0	52.64		ug/L		105	79 - 123	1	17
4-Methyl-2-pentanone (MIBK)	250	240.8		ug/L		96	60 - 137	5	17
Methyl tert-butyl ether	50.0	50.26		ug/L		101	72 - 133	3	16
Naphthalene	50.0	60.09		ug/L		120	62 - 138	5	26
n-Butylbenzene	50.0	49.65		ug/L		99	68 - 132	2	18
N-Propylbenzene	50.0	50.27		ug/L		101	75 - 129	2	17
p-Isopropyltoluene	50.0	50.38		ug/L		101	75 - 128	2	16
sec-Butylbenzene	50.0	49.80		ug/L		100	76 - 128	2	16
Styrene	50.0	51.81		ug/L		104	80 - 127	1	24
Tert-amyl methyl ether	50.0	51.30		ug/L		103	63 - 135	3	15
tert-Butyl alcohol (TBA)	500	418.6		ug/L		84	54 - 150	2	32
tert-Butylbenzene	50.0	50.08		ug/L		100	76 - 126	3	16
1,1,1,2-Tetrachloroethane	50.0	53.84		ug/L		108	74 - 135	0	16
1,1,2,2-Tetrachloroethane	50.0	50.54		ug/L		101	69 - 131	3	20
Tetrachloroethene	50.0	49.39		ug/L		99	80 - 126	1	16
Toluene	50.0	49.38		ug/L		99	80 - 126	1	15
trans-1,2-Dichloroethene	50.0	51.21		ug/L		102	79 - 126	1	16
trans-1,3-Dichloropropene	50.0	56.40		ug/L		113	63 - 134	2	14
1,2,3-Trichlorobenzene	50.0	57.84		ug/L		116	62 - 133	6	25
1,2,4-Trichlorobenzene	50.0	55.84		ug/L		112	63 - 133	1	19
1,1,1-Trichloroethane	50.0	50.58		ug/L		101	78 - 135	1	17
1,1,2-Trichloroethane	50.0	50.18		ug/L		100	80 - 124	2	15
Trichloroethene	50.0	49.75		ug/L		99	80 - 123	2	17
Trichlorofluoromethane	50.0	46.44		ug/L		93	65 - 124	1	18
1,2,3-Trichloropropane	50.0	49.94		ug/L		100	70 - 131	2	19

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

Lab Sample ID: LCSD 490-260433/4
Matrix: Water
Analysis Batch: 260433

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene			50.0	50.71		ug/L		101	77 - 126	2	16
1,3,5-Trimethylbenzene			50.0	50.02		ug/L		100	77 - 127	2	17
Vinyl chloride			50.0	48.26		ug/L		97	68 - 120	2	17
Xylenes, Total			100	101.5		ug/L		101	80 - 132	0	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 490-81477-A-2 MS
Matrix: Water
Analysis Batch: 260433

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		250	175.8		ug/L		70	45 - 141
Benzene	ND		50.0	49.21		ug/L		98	75 - 133
Bromobenzene	ND		50.0	44.61		ug/L		89	60 - 138
Bromochloromethane	ND		50.0	48.44		ug/L		97	67 - 139
Bromodichloromethane	ND		50.0	49.68		ug/L		99	70 - 140
Bromoform	ND		50.0	49.18		ug/L		98	42 - 147
Bromomethane	ND		50.0	45.61		ug/L		91	16 - 163
2-Butanone (MEK)	ND		250	196.9		ug/L		79	50 - 138
Carbon disulfide	ND		50.0	53.37		ug/L		107	48 - 152
Carbon tetrachloride	ND		50.0	60.49		ug/L		121	62 - 164
Chlorobenzene	ND		50.0	47.68		ug/L		95	80 - 129
Chlorodibromomethane	ND		50.0	51.01		ug/L		102	66 - 140
Chloroethane	ND		50.0	47.94		ug/L		96	58 - 137
Chloroform	ND		50.0	49.15		ug/L		98	66 - 138
Chloromethane	ND		50.0	45.42		ug/L		91	10 - 169
2-Chlorotoluene	ND		50.0	46.51		ug/L		93	67 - 138
4-Chlorotoluene	ND		50.0	46.95		ug/L		94	69 - 138
cis-1,2-Dichloroethene	ND		50.0	48.42		ug/L		97	68 - 138
cis-1,3-Dichloropropene	ND		50.0	49.63		ug/L		99	71 - 141
1,2-Dibromo-3-Chloropropane	ND		50.0	41.28		ug/L		83	52 - 126
1,2-Dibromoethane (EDB)	ND		50.0	46.03		ug/L		92	75 - 137
Dibromomethane	ND		50.0	45.37		ug/L		91	58 - 140
1,2-Dichlorobenzene	ND		50.0	45.66		ug/L		91	79 - 128
1,3-Dichlorobenzene	ND		50.0	46.72		ug/L		93	77 - 131
1,4-Dichlorobenzene	ND		50.0	46.63		ug/L		93	78 - 126
Dichlorodifluoromethane	ND		50.0	45.15		ug/L		90	40 - 127
1,1-Dichloroethane	ND		50.0	49.81		ug/L		100	71 - 139
1,2-Dichloroethane	ND		50.0	46.65		ug/L		93	64 - 136
1,1-Dichloroethene	ND		50.0	50.63		ug/L		101	70 - 142
1,2-Dichloropropane	ND		50.0	47.22		ug/L		94	67 - 131
1,3-Dichloropropane	ND		50.0	44.43		ug/L		89	72 - 134
2,2-Dichloropropane	ND		50.0	47.51		ug/L		95	37 - 175

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

Lab Sample ID: 490-81477-A-2 MS
Matrix: Water
Analysis Batch: 260433

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	ND		50.0	50.19		ug/L		100	76 - 139
Diisopropyl ether	ND		50.0	46.50		ug/L		93	10 - 200
Ethylbenzene	ND		50.0	49.51		ug/L		99	79 - 139
Ethyl tert-butyl ether	ND		50.0	44.47		ug/L		89	60 - 138
Hexachlorobutadiene	ND		50.0	39.99		ug/L		80	45 - 155
2-Hexanone	ND		250	192.4		ug/L		77	50 - 150
Isopropylbenzene	ND		50.0	50.02		ug/L		100	80 - 153
Methylene Chloride	ND		50.0	50.58		ug/L		101	64 - 139
4-Methyl-2-pentanone (MIBK)	ND		250	197.1		ug/L		79	50 - 147
Methyl tert-butyl ether	ND		50.0	43.46		ug/L		87	66 - 141
Naphthalene	ND		50.0	44.49		ug/L		88	55 - 140
n-Butylbenzene	ND		50.0	46.68		ug/L		93	66 - 141
N-Propylbenzene	ND		50.0	48.31		ug/L		97	69 - 142
p-Isopropyltoluene	ND		50.0	48.03		ug/L		96	71 - 137
sec-Butylbenzene	ND		50.0	48.05		ug/L		96	73 - 138
Styrene	ND		50.0	49.18		ug/L		98	61 - 148
Tert-amyl methyl ether	ND		50.0	43.66		ug/L		87	61 - 138
tert-Butyl alcohol (TBA)	ND	F1	500	237.8	F1	ug/L		48	50 - 183
tert-Butylbenzene	ND		50.0	48.22		ug/L		96	70 - 138
1,1,1,2-Tetrachloroethane	ND		50.0	50.37		ug/L		101	73 - 141
1,1,2,2-Tetrachloroethane	ND		50.0	43.71		ug/L		87	56 - 143
Tetrachloroethene	ND		50.0	48.93		ug/L		98	72 - 145
Toluene	ND		50.0	48.16		ug/L		96	75 - 136
trans-1,2-Dichloroethene	ND		50.0	51.09		ug/L		102	66 - 143
trans-1,3-Dichloropropene	ND		50.0	49.56		ug/L		99	59 - 135
1,2,3-Trichlorobenzene	ND		50.0	41.23		ug/L		82	55 - 138
1,2,4-Trichlorobenzene	ND		50.0	44.60		ug/L		89	60 - 136
1,1,1-Trichloroethane	ND		50.0	50.94		ug/L		102	76 - 149
1,1,2-Trichloroethane	ND		50.0	44.79		ug/L		90	74 - 134
Trichloroethene	ND		50.0	48.51		ug/L		97	73 - 144
Trichlorofluoromethane	ND		50.0	46.40		ug/L		93	58 - 139
1,2,3-Trichloropropane	ND		50.0	43.43		ug/L		87	53 - 144
1,2,4-Trimethylbenzene	ND		50.0	47.81		ug/L		96	69 - 136
1,3,5-Trimethylbenzene	ND		50.0	47.58		ug/L		95	69 - 139
Vinyl chloride	ND		50.0	47.19		ug/L		94	56 - 129
Xylenes, Total	ND		100	97.55		ug/L		98	74 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

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

Lab Sample ID: 490-81477-A-2 MSD
Matrix: Water
Analysis Batch: 260433

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		250	195.0		ug/L		78	45 - 141	10	21
Benzene	ND		50.0	50.24		ug/L		100	75 - 133	2	17
Bromobenzene	ND		50.0	46.91		ug/L		94	60 - 138	5	20
Bromochloromethane	ND		50.0	51.24		ug/L		102	67 - 139	6	17
Bromodichloromethane	ND		50.0	51.64		ug/L		103	70 - 140	4	18
Bromoform	ND		50.0	53.82		ug/L		108	42 - 147	9	16
Bromomethane	ND		50.0	52.01		ug/L		104	16 - 163	13	50
2-Butanone (MEK)	ND		250	207.2		ug/L		83	50 - 138	5	19
Carbon disulfide	ND		50.0	54.18		ug/L		108	48 - 152	2	21
Carbon tetrachloride	ND		50.0	62.49		ug/L		125	62 - 164	3	19
Chlorobenzene	ND		50.0	49.63		ug/L		99	80 - 129	4	14
Chlorodibromomethane	ND		50.0	54.30		ug/L		109	66 - 140	6	15
Chloroethane	ND		50.0	51.20		ug/L		102	58 - 137	7	20
Chloroform	ND		50.0	50.87		ug/L		102	66 - 138	3	18
Chloromethane	ND		50.0	48.79		ug/L		98	10 - 169	7	31
2-Chlorotoluene	ND		50.0	48.33		ug/L		97	67 - 138	4	17
4-Chlorotoluene	ND		50.0	48.73		ug/L		97	69 - 138	4	18
cis-1,2-Dichloroethene	ND		50.0	49.95		ug/L		100	68 - 138	3	17
cis-1,3-Dichloropropene	ND		50.0	51.79		ug/L		104	71 - 141	4	15
1,2-Dibromo-3-Chloropropane	ND		50.0	45.58		ug/L		91	52 - 126	10	24
1,2-Dibromoethane (EDB)	ND		50.0	48.28		ug/L		97	75 - 137	5	15
Dibromomethane	ND		50.0	47.44		ug/L		95	58 - 140	4	16
1,2-Dichlorobenzene	ND		50.0	47.67		ug/L		95	79 - 128	4	15
1,3-Dichlorobenzene	ND		50.0	49.17		ug/L		98	77 - 131	5	15
1,4-Dichlorobenzene	ND		50.0	49.05		ug/L		98	78 - 126	5	15
Dichlorodifluoromethane	ND		50.0	46.50		ug/L		93	40 - 127	3	18
1,1-Dichloroethane	ND		50.0	50.70		ug/L		101	71 - 139	2	17
1,2-Dichloroethane	ND		50.0	48.38		ug/L		97	64 - 136	4	17
1,1-Dichloroethene	ND		50.0	52.12		ug/L		104	70 - 142	3	17
1,2-Dichloropropane	ND		50.0	48.40		ug/L		97	67 - 131	2	17
1,3-Dichloropropane	ND		50.0	46.86		ug/L		94	72 - 134	5	14
2,2-Dichloropropane	ND		50.0	48.13		ug/L		96	37 - 175	1	18
1,1-Dichloropropene	ND		50.0	51.37		ug/L		103	76 - 139	2	17
Diisopropyl ether	ND		50.0	48.52		ug/L		97	10 - 200	4	50
Ethylbenzene	ND		50.0	51.19		ug/L		102	79 - 139	3	15
Ethyl tert-butyl ether	ND		50.0	47.14		ug/L		94	60 - 138	6	19
Hexachlorobutadiene	ND		50.0	44.74		ug/L		89	45 - 155	11	23
2-Hexanone	ND		250	215.0		ug/L		86	50 - 150	11	15
Isopropylbenzene	ND		50.0	51.71		ug/L		103	80 - 153	3	16
Methylene Chloride	ND		50.0	52.42		ug/L		105	64 - 139	4	17
4-Methyl-2-pentanone (MIBK)	ND		250	217.3		ug/L		87	50 - 147	10	17
Methyl tert-butyl ether	ND		50.0	46.48		ug/L		93	66 - 141	7	16
Naphthalene	ND		50.0	53.59		ug/L		107	55 - 140	19	26
n-Butylbenzene	ND		50.0	49.56		ug/L		99	66 - 141	6	18
N-Propylbenzene	ND		50.0	50.67		ug/L		101	69 - 142	5	17
p-Isopropyltoluene	ND		50.0	50.12		ug/L		100	71 - 137	4	16
sec-Butylbenzene	ND		50.0	50.40		ug/L		101	73 - 138	5	16
Styrene	ND		50.0	50.60		ug/L		101	61 - 148	3	24

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

Lab Sample ID: 490-81477-A-2 MSD
Matrix: Water
Analysis Batch: 260433

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tert-amyl methyl ether	ND		50.0	47.00		ug/L		94	61 - 138	7	15
tert-Butyl alcohol (TBA)	ND	F1	500	291.1		ug/L		58	50 - 183	20	32
tert-Butylbenzene	ND		50.0	50.17		ug/L		100	70 - 138	4	16
1,1,1,2-Tetrachloroethane	ND		50.0	53.22		ug/L		106	73 - 141	5	16
1,1,2,2-Tetrachloroethane	ND		50.0	45.98		ug/L		92	56 - 143	5	20
Tetrachloroethene	ND		50.0	50.50		ug/L		101	72 - 145	3	16
Toluene	ND		50.0	49.76		ug/L		100	75 - 136	3	15
trans-1,2-Dichloroethene	ND		50.0	52.20		ug/L		104	66 - 143	2	16
trans-1,3-Dichloropropene	ND		50.0	52.48		ug/L		105	59 - 135	6	14
1,2,3-Trichlorobenzene	ND		50.0	51.47		ug/L		103	55 - 138	22	25
1,2,4-Trichlorobenzene	ND		50.0	51.13		ug/L		102	60 - 136	14	19
1,1,1-Trichloroethane	ND		50.0	52.23		ug/L		104	76 - 149	2	17
1,1,2-Trichloroethane	ND		50.0	47.39		ug/L		95	74 - 134	6	15
Trichloroethene	ND		50.0	49.93		ug/L		100	73 - 144	3	17
Trichlorofluoromethane	ND		50.0	49.13		ug/L		98	58 - 139	6	18
1,2,3-Trichloropropane	ND		50.0	46.47		ug/L		93	53 - 144	7	19
1,2,4-Trimethylbenzene	ND		50.0	49.73		ug/L		99	69 - 136	4	16
1,3,5-Trimethylbenzene	ND		50.0	49.26		ug/L		99	69 - 139	3	17
Vinyl chloride	ND		50.0	50.33		ug/L		101	56 - 129	6	17
Xylenes, Total	ND		100	100.9		ug/L		101	74 - 141	3	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 490-262167/3
Matrix: Water
Analysis Batch: 262167

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00		mg/L			07/03/15 21:07	1

Lab Sample ID: LCS 490-262167/4
Matrix: Water
Analysis Batch: 262167

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			100	98.98		mg/L		99	80 - 120		

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 490-81527-7 MS
Matrix: Ground Water
Analysis Batch: 262167

Client Sample ID: MW11(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	6.85		100	103.4		mg/L		97	80 - 120

Lab Sample ID: 490-81527-7 MSD
Matrix: Ground Water
Analysis Batch: 262167

Client Sample ID: MW11(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	6.85		100	102.9		mg/L		96	80 - 120	0	20

Lab Sample ID: MB 490-262376/3
Matrix: Water
Analysis Batch: 262376

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.00		mg/L			07/06/15 21:48	1

Lab Sample ID: LCS 490-262376/4
Matrix: Water
Analysis Batch: 262376

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	100	98.14		mg/L		98	80 - 120

Lab Sample ID: LCSD 490-262376/5
Matrix: Water
Analysis Batch: 262376

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	100	98.14		mg/L		98	80 - 120	0	20

Lab Sample ID: 490-81437-M-6 MS
Matrix: Water
Analysis Batch: 262376

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	3.14		100	94.94		mg/L		92	80 - 120

Lab Sample ID: 490-81437-M-6 MSD
Matrix: Water
Analysis Batch: 262376

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	3.14		100	102.7		mg/L		100	80 - 120	8	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-261246/1-A
Matrix: Water
Analysis Batch: 261558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 261246

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.100		mg/L		07/01/15 14:11	07/02/15 10:08	1

Lab Sample ID: LCS 490-261246/2-A
Matrix: Water
Analysis Batch: 261558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 261246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1.00	0.9843		mg/L		98	80 - 120

Lab Sample ID: LCSD 490-261246/3-A
Matrix: Water
Analysis Batch: 261558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 261246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	1.00	1.008		mg/L		101	80 - 120	2	20

Lab Sample ID: 490-81484-G-6-D MS
Matrix: Water
Analysis Batch: 261558

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 261246

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	39.0		1.00	29.18	4	mg/L		-982	75 - 125

Lab Sample ID: 490-81484-G-6-E MSD
Matrix: Water
Analysis Batch: 261558

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 261246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	39.0		1.00	29.84	4	mg/L		-916	75 - 125	2	20

Lab Sample ID: MB 490-261295/1-A
Matrix: Water
Analysis Batch: 262048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 261295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.100		mg/L		07/01/15 16:07	07/02/15 13:46	1

Lab Sample ID: LCS 490-261295/2-A
Matrix: Water
Analysis Batch: 262048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 261295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1.00	1.020		mg/L		102	80 - 120

Lab Sample ID: LCSD 490-261295/3-A
Matrix: Water
Analysis Batch: 262048

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 261295

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	1.00	1.071		mg/L		107	80 - 120	5	20

Lab Sample ID: 490-81516-A-1-B MS
Matrix: Water
Analysis Batch: 262048

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 261295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	71.0		1.00	61.15	4	mg/L		-981	75 - 125

Lab Sample ID: 490-81516-A-1-C MSD
Matrix: Water
Analysis Batch: 262048

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 261295

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	71.0		1.00	62.69	4	mg/L		-827	75 - 125	2	20

Lab Sample ID: MB 490-260600/1-B
Matrix: Water
Analysis Batch: 261386

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 260607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.100		mg/L		06/29/15 16:40	07/01/15 16:14	1

Lab Sample ID: LCS 490-260600/2-B
Matrix: Water
Analysis Batch: 261386

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 260607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1.00	0.9471		mg/L		95	80 - 120

Lab Sample ID: LCSD 490-260600/3-B
Matrix: Water
Analysis Batch: 261386

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 260607

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	1.00	1.020		mg/L		102	80 - 120	7	20

Lab Sample ID: 490-81527-5 MS
Matrix: Ground Water
Analysis Batch: 261386

Client Sample ID: MW8(062515)
Prep Type: Dissolved
Prep Batch: 260607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	ND		1.00	1.034		mg/L		103	75 - 125

Lab Sample ID: 490-81527-5 MSD
Matrix: Ground Water
Analysis Batch: 261386

Client Sample ID: MW8(062515)
Prep Type: Dissolved
Prep Batch: 260607

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	ND		1.00	1.032		mg/L		103	75 - 125	0	20

Lab Sample ID: MB 490-260941/1-B
Matrix: Water
Analysis Batch: 261387

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 260945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.100		mg/L		06/30/15 16:23	07/01/15 17:06	1

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

Lab Sample ID: LCS 490-260941/2-B
Matrix: Water
Analysis Batch: 261387

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 260945

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Iron			1.00	0.9985		mg/L		100	80 - 120		

Lab Sample ID: LCSD 490-260941/3-C
Matrix: Water
Analysis Batch: 261387

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 260945

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron			1.00	1.011		mg/L		101	80 - 120	1	20

Lab Sample ID: 490-81525-P-1-E MS
Matrix: Water
Analysis Batch: 261387

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 260945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Iron	ND		1.00	0.9610		mg/L		96	75 - 125		

Lab Sample ID: 490-81525-P-1-F MSD
Matrix: Water
Analysis Batch: 261387

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 260945

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	ND		1.00	0.9377		mg/L		94	75 - 125	2	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 490-261101/6
Matrix: Water
Analysis Batch: 261101

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate/Nitrite	ND		0.100		mg/L			07/01/15 10:07	1

Lab Sample ID: LCS 490-261101/7
Matrix: Water
Analysis Batch: 261101

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate/Nitrite			0.996	1.055		mg/L		106	90 - 110		

Lab Sample ID: LCSD 490-261101/8
Matrix: Water
Analysis Batch: 261101

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate/Nitrite			0.996	1.050		mg/L		105	90 - 110	0	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 490-81527-1 MS
Matrix: Ground Water
Analysis Batch: 261101

Client Sample ID: MW1A(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite	ND		0.996	1.051		mg/L		106	90 - 110

Lab Sample ID: 490-81527-1 MSD
Matrix: Ground Water
Analysis Batch: 261101

Client Sample ID: MW1A(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate/Nitrite	ND		0.996	1.054		mg/L		106	90 - 110	0	20

Lab Sample ID: 490-81527-11 MS
Matrix: Ground Water
Analysis Batch: 261101

Client Sample ID: MW15(062515)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate/Nitrite	0.283		0.996	1.321		mg/L		104	90 - 110

GC/MS VOA

Analysis Batch: 260281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81527-1	MW1A(062515)	Total/NA	Ground Water	8260B	
490-81527-2	MW2A(062515)	Total/NA	Ground Water	8260B	
490-81527-4	MW5A(062515)	Total/NA	Ground Water	8260B	
490-81527-8	MW12(062515)	Total/NA	Ground Water	8260B	
490-81527-9	MW13(062515)	Total/NA	Ground Water	8260B	
490-81527-9 MS	MW13(062515)	Total/NA	Ground Water	8260B	
490-81527-9 MSD	MW13(062515)	Total/NA	Ground Water	8260B	
490-81527-10	MW14(062515)	Total/NA	Ground Water	8260B	
490-81527-11	MW15(062515)	Total/NA	Ground Water	8260B	
490-81527-12	MW16(062515)	Total/NA	Ground Water	8260B	
490-81527-13	DUP01(062515)	Total/NA	Ground Water	8260B	
LCS 490-260281/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-260281/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-260281/8	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 260433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81477-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
490-81477-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
490-81527-1	MW1A(062515)	Total/NA	Ground Water	8260B	
490-81527-2	MW2A(062515)	Total/NA	Ground Water	8260B	
490-81527-3	MW3A(062515)	Total/NA	Ground Water	8260B	
490-81527-4	MW5A(062515)	Total/NA	Ground Water	8260B	
490-81527-5	MW8(062515)	Total/NA	Ground Water	8260B	
490-81527-6	MW10(062515)	Total/NA	Ground Water	8260B	
490-81527-7	MW11(062515)	Total/NA	Ground Water	8260B	
490-81527-13	DUP01(062515)	Total/NA	Ground Water	8260B	
490-81527-14	RB01(062515)	Total/NA	Ground Water	8260B	
490-81527-15	TB01(062515)	Total/NA	Water	8260B	
LCS 490-260433/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-260433/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-260433/9	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 262167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81527-1	MW1A(062515)	Total/NA	Ground Water	9056A	
490-81527-2	MW2A(062515)	Total/NA	Ground Water	9056A	
490-81527-3	MW3A(062515)	Total/NA	Ground Water	9056A	
490-81527-5	MW8(062515)	Total/NA	Ground Water	9056A	
490-81527-6	MW10(062515)	Total/NA	Ground Water	9056A	
490-81527-7	MW11(062515)	Total/NA	Ground Water	9056A	
490-81527-7 MS	MW11(062515)	Total/NA	Ground Water	9056A	
490-81527-7 MSD	MW11(062515)	Total/NA	Ground Water	9056A	
490-81527-8	MW12(062515)	Total/NA	Ground Water	9056A	
490-81527-9	MW13(062515)	Total/NA	Ground Water	9056A	
490-81527-10	MW14(062515)	Total/NA	Ground Water	9056A	
490-81527-11	MW15(062515)	Total/NA	Ground Water	9056A	
490-81527-12	MW16(062515)	Total/NA	Ground Water	9056A	

HPLC/IC (Continued)

Analysis Batch: 262167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81527-13	DUP01(062515)	Total/NA	Ground Water	9056A	
LCS 490-262167/4	Lab Control Sample	Total/NA	Water	9056A	
MB 490-262167/3	Method Blank	Total/NA	Water	9056A	

Analysis Batch: 262376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81437-M-6 MS	Matrix Spike	Total/NA	Water	9056A	
490-81437-M-6 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	
490-81527-4	MW5A(062515)	Total/NA	Ground Water	9056A	
490-81527-14	RB01(062515)	Total/NA	Ground Water	9056A	
LCS 490-262376/4	Lab Control Sample	Total/NA	Water	9056A	
LCSD 490-262376/5	Lab Control Sample Dup	Total/NA	Water	9056A	
MB 490-262376/3	Method Blank	Total/NA	Water	9056A	

Metals

Filtration Batch: 260600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81527-1	MW1A(062515)	Dissolved	Ground Water	Filtration	
490-81527-2	MW2A(062515)	Dissolved	Ground Water	Filtration	
490-81527-3	MW3A(062515)	Dissolved	Ground Water	Filtration	
490-81527-4	MW5A(062515)	Dissolved	Ground Water	Filtration	
490-81527-5	MW8(062515)	Dissolved	Ground Water	Filtration	
490-81527-5 MS	MW8(062515)	Dissolved	Ground Water	Filtration	
490-81527-5 MSD	MW8(062515)	Dissolved	Ground Water	Filtration	
LCS 490-260600/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-260600/3-B	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-260600/1-B	Method Blank	Dissolved	Water	Filtration	

Prep Batch: 260607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81527-1	MW1A(062515)	Dissolved	Ground Water	3005A	260600
490-81527-2	MW2A(062515)	Dissolved	Ground Water	3005A	260600
490-81527-3	MW3A(062515)	Dissolved	Ground Water	3005A	260600
490-81527-4	MW5A(062515)	Dissolved	Ground Water	3005A	260600
490-81527-5	MW8(062515)	Dissolved	Ground Water	3005A	260600
490-81527-5 MS	MW8(062515)	Dissolved	Ground Water	3005A	260600
490-81527-5 MSD	MW8(062515)	Dissolved	Ground Water	3005A	260600
LCS 490-260600/2-B	Lab Control Sample	Dissolved	Water	3005A	260600
LCSD 490-260600/3-B	Lab Control Sample Dup	Dissolved	Water	3005A	260600
MB 490-260600/1-B	Method Blank	Dissolved	Water	3005A	260600

Filtration Batch: 260941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81525-P-1-E MS	Matrix Spike	Dissolved	Water	Filtration	
490-81525-P-1-F MSD	Matrix Spike Duplicate	Dissolved	Water	Filtration	
490-81527-6	MW10(062515)	Dissolved	Ground Water	Filtration	
490-81527-7	MW11(062515)	Dissolved	Ground Water	Filtration	
490-81527-8	MW12(062515)	Dissolved	Ground Water	Filtration	
490-81527-9	MW13(062515)	Dissolved	Ground Water	Filtration	

Metals (Continued)

Filtration Batch: 260941 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81527-10	MW14(062515)	Dissolved	Ground Water	Filtration	
490-81527-11	MW15(062515)	Dissolved	Ground Water	Filtration	
490-81527-12	MW16(062515)	Dissolved	Ground Water	Filtration	
490-81527-13	DUP01(062515)	Dissolved	Ground Water	Filtration	
490-81527-14	RB01(062515)	Dissolved	Ground Water	Filtration	
LCS 490-260941/2-B	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 490-260941/3-C	Lab Control Sample Dup	Dissolved	Water	Filtration	
MB 490-260941/1-B	Method Blank	Dissolved	Water	Filtration	

Prep Batch: 260945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81525-P-1-E MS	Matrix Spike	Dissolved	Water	3005A	260941
490-81525-P-1-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	260941
490-81527-6	MW10(062515)	Dissolved	Ground Water	3005A	260941
490-81527-7	MW11(062515)	Dissolved	Ground Water	3005A	260941
490-81527-8	MW12(062515)	Dissolved	Ground Water	3005A	260941
490-81527-9	MW13(062515)	Dissolved	Ground Water	3005A	260941
490-81527-10	MW14(062515)	Dissolved	Ground Water	3005A	260941
490-81527-11	MW15(062515)	Dissolved	Ground Water	3005A	260941
490-81527-12	MW16(062515)	Dissolved	Ground Water	3005A	260941
490-81527-13	DUP01(062515)	Dissolved	Ground Water	3005A	260941
490-81527-14	RB01(062515)	Dissolved	Ground Water	3005A	260941
LCS 490-260941/2-B	Lab Control Sample	Dissolved	Water	3005A	260941
LCSD 490-260941/3-C	Lab Control Sample Dup	Dissolved	Water	3005A	260941
MB 490-260941/1-B	Method Blank	Dissolved	Water	3005A	260941

Prep Batch: 261246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81484-G-6-D MS	Matrix Spike	Total/NA	Water	3010A	
490-81484-G-6-E MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
490-81527-1	MW1A(062515)	Total/NA	Ground Water	3010A	
490-81527-2	MW2A(062515)	Total/NA	Ground Water	3010A	
490-81527-3	MW3A(062515)	Total/NA	Ground Water	3010A	
490-81527-4	MW5A(062515)	Total/NA	Ground Water	3010A	
490-81527-5	MW8(062515)	Total/NA	Ground Water	3010A	
LCS 490-261246/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-261246/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 490-261246/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 261295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81516-A-1-B MS	Matrix Spike	Total/NA	Water	3010A	
490-81516-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
490-81527-6	MW10(062515)	Total/NA	Ground Water	3010A	
490-81527-7	MW11(062515)	Total/NA	Ground Water	3010A	
490-81527-8	MW12(062515)	Total/NA	Ground Water	3010A	
490-81527-9	MW13(062515)	Total/NA	Ground Water	3010A	
490-81527-10	MW14(062515)	Total/NA	Ground Water	3010A	
490-81527-11	MW15(062515)	Total/NA	Ground Water	3010A	
490-81527-12	MW16(062515)	Total/NA	Ground Water	3010A	
490-81527-13	DUP01(062515)	Total/NA	Ground Water	3010A	

Metals (Continued)

Prep Batch: 261295 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81527-14	RB01(062515)	Total/NA	Ground Water	3010A	
LCS 490-261295/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-261295/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 490-261295/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 261386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81527-1	MW1A(062515)	Dissolved	Ground Water	6010B	260607
490-81527-2	MW2A(062515)	Dissolved	Ground Water	6010B	260607
490-81527-3	MW3A(062515)	Dissolved	Ground Water	6010B	260607
490-81527-4	MW5A(062515)	Dissolved	Ground Water	6010B	260607
490-81527-5	MW8(062515)	Dissolved	Ground Water	6010B	260607
490-81527-5 MS	MW8(062515)	Dissolved	Ground Water	6010B	260607
490-81527-5 MSD	MW8(062515)	Dissolved	Ground Water	6010B	260607
LCS 490-260600/2-B	Lab Control Sample	Dissolved	Water	6010B	260607
LCSD 490-260600/3-B	Lab Control Sample Dup	Dissolved	Water	6010B	260607
MB 490-260600/1-B	Method Blank	Dissolved	Water	6010B	260607

Analysis Batch: 261387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81525-P-1-E MS	Matrix Spike	Dissolved	Water	6010B	260945
490-81525-P-1-F MSD	Matrix Spike Duplicate	Dissolved	Water	6010B	260945
490-81527-6	MW10(062515)	Dissolved	Ground Water	6010B	260945
490-81527-7	MW11(062515)	Dissolved	Ground Water	6010B	260945
490-81527-8	MW12(062515)	Dissolved	Ground Water	6010B	260945
490-81527-9	MW13(062515)	Dissolved	Ground Water	6010B	260945
490-81527-10	MW14(062515)	Dissolved	Ground Water	6010B	260945
490-81527-11	MW15(062515)	Dissolved	Ground Water	6010B	260945
490-81527-12	MW16(062515)	Dissolved	Ground Water	6010B	260945
490-81527-13	DUP01(062515)	Dissolved	Ground Water	6010B	260945
490-81527-14	RB01(062515)	Dissolved	Ground Water	6010B	260945
LCS 490-260941/2-B	Lab Control Sample	Dissolved	Water	6010B	260945
LCSD 490-260941/3-C	Lab Control Sample Dup	Dissolved	Water	6010B	260945
MB 490-260941/1-B	Method Blank	Dissolved	Water	6010B	260945

Analysis Batch: 261558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81484-G-6-D MS	Matrix Spike	Total/NA	Water	6010B	261246
490-81484-G-6-E MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	261246
490-81527-1	MW1A(062515)	Total/NA	Ground Water	6010B	261246
490-81527-2	MW2A(062515)	Total/NA	Ground Water	6010B	261246
490-81527-3	MW3A(062515)	Total/NA	Ground Water	6010B	261246
490-81527-4	MW5A(062515)	Total/NA	Ground Water	6010B	261246
490-81527-5	MW8(062515)	Total/NA	Ground Water	6010B	261246
LCS 490-261246/2-A	Lab Control Sample	Total/NA	Water	6010B	261246
LCSD 490-261246/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	261246
MB 490-261246/1-A	Method Blank	Total/NA	Water	6010B	261246

Analysis Batch: 262048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81516-A-1-B MS	Matrix Spike	Total/NA	Water	6010B	261295

Metals (Continued)

Analysis Batch: 262048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81516-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	261295
490-81527-6	MW10(062515)	Total/NA	Ground Water	6010B	261295
490-81527-7	MW11(062515)	Total/NA	Ground Water	6010B	261295
490-81527-8	MW12(062515)	Total/NA	Ground Water	6010B	261295
490-81527-9	MW13(062515)	Total/NA	Ground Water	6010B	261295
490-81527-10	MW14(062515)	Total/NA	Ground Water	6010B	261295
490-81527-11	MW15(062515)	Total/NA	Ground Water	6010B	261295
490-81527-12	MW16(062515)	Total/NA	Ground Water	6010B	261295
490-81527-13	DUP01(062515)	Total/NA	Ground Water	6010B	261295
490-81527-14	RB01(062515)	Total/NA	Ground Water	6010B	261295
LCS 490-261295/2-A	Lab Control Sample	Total/NA	Water	6010B	261295
LCSD 490-261295/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	261295
MB 490-261295/1-A	Method Blank	Total/NA	Water	6010B	261295

General Chemistry

Analysis Batch: 261101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81527-1	MW1A(062515)	Total/NA	Ground Water	353.2	
490-81527-1 MS	MW1A(062515)	Total/NA	Ground Water	353.2	
490-81527-1 MSD	MW1A(062515)	Total/NA	Ground Water	353.2	
490-81527-2	MW2A(062515)	Total/NA	Ground Water	353.2	
490-81527-3	MW3A(062515)	Total/NA	Ground Water	353.2	
490-81527-4	MW5A(062515)	Total/NA	Ground Water	353.2	
490-81527-5	MW8(062515)	Total/NA	Ground Water	353.2	
490-81527-6	MW10(062515)	Total/NA	Ground Water	353.2	
490-81527-7	MW11(062515)	Total/NA	Ground Water	353.2	
490-81527-8	MW12(062515)	Total/NA	Ground Water	353.2	
490-81527-9	MW13(062515)	Total/NA	Ground Water	353.2	
490-81527-10	MW14(062515)	Total/NA	Ground Water	353.2	
490-81527-11	MW15(062515)	Total/NA	Ground Water	353.2	
490-81527-11 MS	MW15(062515)	Total/NA	Ground Water	353.2	
490-81527-12	MW16(062515)	Total/NA	Ground Water	353.2	
490-81527-13	DUP01(062515)	Total/NA	Ground Water	353.2	
490-81527-14	RB01(062515)	Total/NA	Ground Water	353.2	
LCS 490-261101/7	Lab Control Sample	Total/NA	Water	353.2	
LCSD 490-261101/8	Lab Control Sample Dup	Total/NA	Water	353.2	
MB 490-261101/6	Method Blank	Total/NA	Water	353.2	

Client Sample ID: MW1A(062515)

Lab Sample ID: 490-81527-1

Date Collected: 06/25/15 12:45

Matrix: Ground Water

Date Received: 06/26/15 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260281	06/29/15 03:55	RP	TAL NSH
Total/NA	Analysis	8260B		20	10 mL	10 mL	260433	06/29/15 21:32	EML	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262167	07/03/15 21:49	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260607	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260600	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261386	07/01/15 18:24	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261246	07/01/15 14:11	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	261558	07/02/15 11:33	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:10	MJA	TAL NSH

Client Sample ID: MW2A(062515)

Lab Sample ID: 490-81527-2

Date Collected: 06/25/15 11:20

Matrix: Ground Water

Date Received: 06/26/15 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260281	06/29/15 04:21	RP	TAL NSH
Total/NA	Analysis	8260B		20	10 mL	10 mL	260433	06/29/15 21:58	EML	TAL NSH
Total/NA	Analysis	9056A		20	10 mL		262167	07/03/15 22:10	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260607	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260600	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261386	07/01/15 18:16	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261246	07/01/15 14:11	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	261558	07/02/15 11:29	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:12	MJA	TAL NSH

Client Sample ID: MW3A(062515)

Lab Sample ID: 490-81527-3

Date Collected: 06/25/15 10:40

Matrix: Ground Water

Date Received: 06/26/15 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260433	06/29/15 18:27	EML	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262167	07/03/15 22:31	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260607	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260600	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261386	07/01/15 18:20	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261246	07/01/15 14:11	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	261558	07/02/15 11:24	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:13	MJA	TAL NSH

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW5A(062515)

Date Collected: 06/25/15 14:15
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260281	06/29/15 05:14	RP	TAL NSH
Total/NA	Analysis	8260B		10	10 mL	10 mL	260433	06/29/15 22:52	EML	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262376	07/07/15 03:46	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260607	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260600	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261386	07/01/15 18:29	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261246	07/01/15 14:11	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	261558	07/02/15 11:01	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:14	MJA	TAL NSH

Client Sample ID: MW8(062515)

Date Collected: 06/25/15 09:30
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260433	06/29/15 18:54	EML	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262167	07/03/15 23:13	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260607	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260600	06/29/15 16:40	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261386	07/01/15 16:26	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261246	07/01/15 14:11	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	261558	07/02/15 11:59	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:15	MJA	TAL NSH

Client Sample ID: MW10(062515)

Date Collected: 06/25/15 13:05
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260433	06/29/15 19:20	EML	TAL NSH
Total/NA	Analysis	9056A		10	10 mL		262167	07/03/15 23:34	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260945	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260941	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261387	07/01/15 17:49	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261295	07/01/15 16:07	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	262048	07/02/15 15:09	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:16	MJA	TAL NSH

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW11(062515)

Date Collected: 06/25/15 13:50
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260433	06/29/15 19:47	EML	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262167	07/03/15 23:55	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260945	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260941	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261387	07/01/15 17:53	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261295	07/01/15 16:07	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	262048	07/02/15 15:14	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:17	MJA	TAL NSH

Client Sample ID: MW12(062515)

Date Collected: 06/25/15 14:55
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260281	06/29/15 06:59	RP	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262167	07/04/15 00:58	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260945	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260941	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261387	07/01/15 17:58	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261295	07/01/15 16:07	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	262048	07/02/15 15:28	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:18	MJA	TAL NSH

Client Sample ID: MW13(062515)

Date Collected: 06/25/15 11:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-9

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260281	06/29/15 07:26	RP	TAL NSH
Total/NA	Analysis	9056A		5	10 mL		262167	07/04/15 01:19	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260945	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260941	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261387	07/01/15 18:02	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261295	07/01/15 16:07	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	262048	07/02/15 15:32	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:19	MJA	TAL NSH

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: MW14(062515)

Date Collected: 06/25/15 10:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-10

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260281	06/29/15 07:52	RP	TAL NSH
Total/NA	Analysis	9056A		20	10 mL		262167	07/04/15 01:41	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260945	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260941	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261387	07/01/15 18:06	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261295	07/01/15 16:07	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	262048	07/02/15 15:36	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:20	MJA	TAL NSH

Client Sample ID: MW15(062515)

Date Collected: 06/25/15 09:35
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-11

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260281	06/29/15 08:19	RP	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262167	07/04/15 02:44	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260945	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260941	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261387	07/01/15 18:11	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261295	07/01/15 16:07	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	262048	07/02/15 15:40	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:22	MJA	TAL NSH

Client Sample ID: MW16(062515)

Date Collected: 06/25/15 15:10
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-12

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260281	06/29/15 08:45	RP	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262167	07/04/15 03:05	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260945	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260941	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261387	07/01/15 18:15	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261295	07/01/15 16:07	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	262048	07/02/15 15:45	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:24	MJA	TAL NSH

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Client Sample ID: DUP01(062515)

Date Collected: 06/25/15 12:00
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-13

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260281	06/29/15 09:12	RP	TAL NSH
Total/NA	Analysis	8260B		20	10 mL	10 mL	260433	06/29/15 22:25	EML	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262167	07/04/15 03:26	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260945	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260941	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261387	07/01/15 18:19	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261295	07/01/15 16:07	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	262048	07/02/15 15:49	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:25	MJA	TAL NSH

Client Sample ID: RB01(062515)

Date Collected: 06/25/15 15:40
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-14

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260433	06/29/15 20:13	EML	TAL NSH
Total/NA	Analysis	9056A		1	10 mL		262376	07/07/15 04:07	JHS	TAL NSH
Dissolved	Prep	3005A			50 mL	50 mL	260945	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Filtration	Filtration			50 mL	50 mL	260941	06/30/15 16:23	ZLN	TAL NSH
Dissolved	Analysis	6010B		1	50 mL	50 mL	261387	07/01/15 18:23	LEG	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	261295	07/01/15 16:07	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	262048	07/02/15 15:53	LEG	TAL NSH
Total/NA	Analysis	353.2		1	50 mL	50 mL	261101	07/01/15 10:26	MJA	TAL NSH

Client Sample ID: TB01(062515)

Date Collected: 06/25/15 01:00
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81527-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	260433	06/29/15 16:15	EML	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
9056A	Anions, Ion Chromatography	SW846	TAL NSH
6010B	Metals (ICP)	SW846	TAL NSH
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL NSH

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81527-1

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Maryland	State Program	3	316	03-31-16

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Baltimore

490-81527 Chain of Custody

Cooler Received/Opened On 6/26/2015 @ 0845

1. Tracking # 5877 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 2.0 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES) NO NA

If yes, how many and where: (1) Front

5. Were the seals intact, signed, and dated correctly? (YES) NO NA

6. Were custody papers inside cooler? YES (NO) NA

I certify that I opened the cooler and answered questions 1-6 (intial) MDM

7. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES NO (NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES) NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES) NO NA

12. Did all container labels and tags agree with custody papers? (YES) NO NA

13a. Were VOA vials received? (YES) NO NA

b. Was there any observable headspace present in any VOA vial? YES (NO) NA

14. Was there a Trip Blank in this cooler? YES (NO) NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? (YES) NO NA

b. Did the bottle labels indicate that the correct preservatives were used (YES) NO NA

16. Was residual chlorine present? YES (NO) NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MDM

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

18. Did you sign the custody papers in the appropriate place? (YES) NO NA

19. Were correct containers used for the analysis requested? (YES) NO NA

20. Was sufficient amount of sample sent in each container? (YES) NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MDM

I certify that I attached a label with the unique LIMS number to each container (intial) MDM

21. Were there Non-Conformance issues at login? YES (NO) Was a NCM generated? YES (NO) #_____

BIS = Broken in shipment

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Baltimore
Loc: 490
81527
#1
A

Cooler Received/Opened On 6/26/2015 @ 8:45

1. Tracking # 5395 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID 17960358

2. Temperature of rep. sample or temp blank when opened: 1.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) EZA

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES (NO) NA

14. Was there a Trip Blank in this cooler? (YES)..NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) MDL

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)..NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MDL

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

18. Did you sign the custody papers in the appropriate place? (YES)..NO...NA

19. Were correct containers used for the analysis requested? (YES)..NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MDL

I certify that I attached a label with the unique LIMS number to each container (intial) MPM

21. Were there Non-Conformance issues at login? YES (NO) Was a PIPE generated? YES (NO) #_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

Loc: 490
81527

7/13/2015

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville Division
2960 Foster Creighton
Nashville, TN 37204
Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil

Consultant Name: Arcadis U.S. Inc
Address: ~~1100 Wellborne Drive, Suite 100~~ 1114 Benfield Blvd Suite A
City/State/Zip: ~~Richmond, VA 23230~~ Millersville/MD/21108
ExxonMobil Project Mgr: Jennifer Cox
Consultant Project Mgr: ~~Stefanie Farmer~~ Rusty Kahl
Consultant Telephone Number: 410-923-7813 Fax No.:
Sampler Name: (Print) Sarah Matheson
Sampler Signature:

TA PROJECT #: 49001445 (Maryland sites only)
Invoice To: Arcadis U.S. Inc. (Highlands Ranch, CO)
Report To: ~~Sterling Turner~~ Rusty Kahl
PO #: B0085851.0010
PROJECT #: 14489
Facility ID #: —
Site Address 285 Old Bay View Rd
City, State, Zip North East, MD
Regulatory District (CA): —

	Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (Specify)	Analyze For: 8260b VOC list + Fuel Oxygenates	Nitrate/Nitrite 353.2	Sulfate 9056-28 day	6010b Total Iron	6010b Dissolved Iron (Lab Filter)	RUSH "TAT" (Specify)*	TAT if different from Business Days	Fax Results (yes or no)	Due Date of Report
1	MW1A(062515)	6/25/15	1245	7	X					X	X	X	X	X	X	X						3	1	1	1	1				
2	MW2A(062515)		1120																											
3	MW3A(062515)		1040																											
4	MW5A(062515)		1415																											
5	MW8(062515)		0930																											
6	MW10(062515)		1305																											
7	MW11(062515)		1350																											
8	MW12(062515)		1455																											
9	MW13(062515)		1120																											
10	MW14(062515)	↓	1020	↓	↓					↓	↓	↓	↓	↓	↓	↓						↓	↓	↓	↓	↓				

Comments/Special Instructions:

TA Nashville Project #: 49001445

Laboratory Comments:
Temperature Upon Receipt: 1.7/2.0°c
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2 Level 3 Level 4 Other
* It will be the responsibility of ExxonMobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted.
TA Project Manager: Date:

Relinquished by:	Date	Time	Received by:	Date	Time
	6/25/15	1710		6/25/15	1715
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	6/25/15	1720		6/26/15	0045

Loc: 490
81527

7/13/2015

Page 2 of 2

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville Division
2960 Foster Creighton
Nashville, TN 37204
Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil

Consultant Name: Arcadis U.S. Inc
Address: ~~4100 Welborne Drive Suite 100~~ 1114 Fernfield Blvd. Suite A
City/State/Zip: ~~Richmond, VA 23230~~ Millersville, MD. 21108
ExxonMobil Project Mgr: Jewel Cox
Consultant Project Mgr: ~~Sterling Turner~~ Rusty Kahl
Consultant Telephone Number: ~~804-656-1874~~ 410-923-7813 Fax No.: —
Sampler Name: (Print) Sarah Matteson
Sampler Signature:

TA PROJECT #: 49001445 (Maryland sites only)
Invoice To: Arcadis U.S. Inc. (Highlands Ranch, CO)
Report To: ~~Sterling Turner~~ Rusty Kahl
PO #: B0085851.0010
PROJECT #: 14489
Facility ID #: —
Site Address: 285 Old Bay View Rd
City, State, Zip: North East, MD
Regulatory District (CA): —

	Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify)	Analyze For: 8260b VOC list + Fuel Oxygenates	Nitrate/Nitrite 353.2	Sulfate 9056-28 day	6010b Total Iron	6010b Dissolved Iron (Lab Filter)	RUSH TAT (Pre-Scheduled) *	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report
11	MW15 (062515)	6/25/15	0935	7	X					X		X		X	X	X						3	1	1	1	1				
12	MW16 (062515)		1510																											
13	DUP01 (062515)		1200																											
14	RB01 (062515)		1540	↓								↓		↓	↓							↓	↓	↓	↓	↓				
15	TB01 (062515)	↓	—	2	↓					↓						↓						2								

Comments/Special Instructions:

TA Nashville Project #: 49001445

Laboratory Comments:
Temperature Upon Receipt: 1.7/2.0 c
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2 Level 3 Level 4 Other
* It will be the responsibility of ExxonMobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted.
TA Project Manager: _____ Date: _____

Relinquished by:	Date	Time	Received by:	Date	Time
	6/25/15	1710		6/25/15	1715
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	6/25/15	1720	TA	6-26-15	0845

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 490-81527-1

Login Number: 81527
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7/2.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-81555-1
Client Project/Site: 14489 - North East

For:
ARCADIS U.S., Inc.
1114 Benfield Blvd.
Suite A
Millersville, Maryland 21108

Attn: Mr. Rusty Kahl

Jennifer Huckaba

Authorized for release by:
7/9/2015 10:34:50 PM

Jennifer Huckaba, Project Manager II
(615)301-5042
jennifer.huckaba@testamericainc.com

Table of Contents

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-81555-1	2590BINF(062515)	Water	06/25/15 12:05	06/26/15 08:45
490-81555-2	2590BMID(062515)	Water	06/25/15 12:10	06/26/15 08:45
490-81555-3	2590BEFF(062515)	Water	06/25/15 12:15	06/26/15 08:45
490-81555-4	TB01(062515)	Water	06/25/15 01:00	06/26/15 08:45

Job ID: 490-81555-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-81555-1

Comments
No additional comments.

Receipt
The samples were received on 6/26/2015 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7º C.

GC/MS VOA
Method(s) 524.2: The laboratory control sample (LCS) for batch analytical batch 490-260431 recovered outside control limits for the following analytes: Dichlorodifluoromethane and Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 524.2: The laboratory control sample duplicate (LCSD) for batch analytical batch 490-260431 recovered outside control limits for the following analyte: Dichlorodifluoromethane. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Client Sample ID: 2590BINF(062515)
Date Collected: 06/25/15 12:05
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81555-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L			06/29/15 15:05	1
Bromobenzene	ND		0.500		ug/L			06/29/15 15:05	1
Bromochloromethane	ND		0.500		ug/L			06/29/15 15:05	1
Bromodichloromethane	ND		0.500		ug/L			06/29/15 15:05	1
Bromoform	ND		0.500		ug/L			06/29/15 15:05	1
Bromomethane	ND	*	0.500		ug/L			06/29/15 15:05	1
Carbon disulfide	ND		0.500		ug/L			06/29/15 15:05	1
Carbon tetrachloride	ND		0.500		ug/L			06/29/15 15:05	1
Chlorobenzene	ND		0.500		ug/L			06/29/15 15:05	1
Chlorodibromomethane	ND		0.500		ug/L			06/29/15 15:05	1
Chloroethane	ND		0.500		ug/L			06/29/15 15:05	1
Chloroform	ND		0.500		ug/L			06/29/15 15:05	1
Chloromethane	ND		0.500		ug/L			06/29/15 15:05	1
2-Chlorotoluene	ND		0.500		ug/L			06/29/15 15:05	1
4-Chlorotoluene	ND		0.500		ug/L			06/29/15 15:05	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 15:05	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 15:05	1
1,2-Dibromo-3-Chloropropane	ND		2.00		ug/L			06/29/15 15:05	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			06/29/15 15:05	1
Dibromomethane	ND		0.500		ug/L			06/29/15 15:05	1
1,2-Dichlorobenzene	ND		0.500		ug/L			06/29/15 15:05	1
1,3-Dichlorobenzene	ND		0.500		ug/L			06/29/15 15:05	1
1,4-Dichlorobenzene	ND		0.500		ug/L			06/29/15 15:05	1
Dichlorodifluoromethane	ND	*	0.500		ug/L			06/29/15 15:05	1
1,1-Dichloroethane	ND		0.500		ug/L			06/29/15 15:05	1
1,2-Dichloroethane	ND		0.500		ug/L			06/29/15 15:05	1
1,1-Dichloroethene	ND		0.500		ug/L			06/29/15 15:05	1
1,2-Dichloropropane	ND		0.500		ug/L			06/29/15 15:05	1
1,3-Dichloropropane	ND		0.500		ug/L			06/29/15 15:05	1
2,2-Dichloropropane	ND		0.500		ug/L			06/29/15 15:05	1
1,1-Dichloropropene	ND		0.500		ug/L			06/29/15 15:05	1
Diisopropyl ether	**1.49**		0.500		ug/L			06/29/15 15:05	1
Ethylbenzene	ND		0.500		ug/L			06/29/15 15:05	1
Ethyl tert-butyl ether	ND		0.500		ug/L			06/29/15 15:05	1
Hexachlorobutadiene	ND		0.500		ug/L			06/29/15 15:05	1
Isopropylbenzene	ND		0.500		ug/L			06/29/15 15:05	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 15:05	1
Methyl tert-butyl ether	**59.3**		2.50		ug/L			06/29/15 17:41	5
Naphthalene	ND		5.00		ug/L			06/29/15 15:05	1
n-Butylbenzene	ND		0.500		ug/L			06/29/15 15:05	1
N-Propylbenzene	ND		0.500		ug/L			06/29/15 15:05	1
p-Isopropyltoluene	ND		0.500		ug/L			06/29/15 15:05	1
sec-Butylbenzene	ND		0.500		ug/L			06/29/15 15:05	1
Styrene	ND		0.500		ug/L			06/29/15 15:05	1
Tert-amyl methyl ether	ND		0.500		ug/L			06/29/15 15:05	1
tert-Butyl alcohol	**135**		10.0		ug/L			06/29/15 15:05	1
tert-Butylbenzene	ND		0.500		ug/L			06/29/15 15:05	1
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 15:05	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 15:05	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Client Sample ID: 2590BINF(062515)
Date Collected: 06/25/15 12:05
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81555-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.500		ug/L			06/29/15 15:05	1
Toluene	ND		0.500		ug/L			06/29/15 15:05	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 15:05	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 15:05	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			06/29/15 15:05	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			06/29/15 15:05	1
1,1,1-Trichloroethane	ND		0.500		ug/L			06/29/15 15:05	1
1,1,2-Trichloroethane	ND		0.500		ug/L			06/29/15 15:05	1
Trichloroethene	ND		0.500		ug/L			06/29/15 15:05	1
Trichlorofluoromethane	ND		0.500		ug/L			06/29/15 15:05	1
1,2,3-Trichloropropane	ND		0.500		ug/L			06/29/15 15:05	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			06/29/15 15:05	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			06/29/15 15:05	1
Vinyl chloride	ND		0.500		ug/L			06/29/15 15:05	1
Xylenes, Total	ND		1.00		ug/L			06/29/15 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*06/29/15 15:05*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*06/29/15 17:41*	*5*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*06/29/15 15:05*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*06/29/15 17:41*	*5*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*06/29/15 15:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*06/29/15 17:41*	*5*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 15:05*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 17:41*	*5*

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Client Sample ID: 2590BMID(062515)
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81555-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L			06/29/15 14:39	1
Bromobenzene	ND		0.500		ug/L			06/29/15 14:39	1
Bromochloromethane	ND		0.500		ug/L			06/29/15 14:39	1
Bromodichloromethane	ND		0.500		ug/L			06/29/15 14:39	1
Bromoform	ND		0.500		ug/L			06/29/15 14:39	1
Bromomethane	ND	*	0.500		ug/L			06/29/15 14:39	1
Carbon disulfide	ND		0.500		ug/L			06/29/15 14:39	1
Carbon tetrachloride	ND		0.500		ug/L			06/29/15 14:39	1
Chlorobenzene	ND		0.500		ug/L			06/29/15 14:39	1
Chlorodibromomethane	ND		0.500		ug/L			06/29/15 14:39	1
Chloroethane	ND		0.500		ug/L			06/29/15 14:39	1
Chloroform	ND		0.500		ug/L			06/29/15 14:39	1
Chloromethane	ND		0.500		ug/L			06/29/15 14:39	1
2-Chlorotoluene	ND		0.500		ug/L			06/29/15 14:39	1
4-Chlorotoluene	ND		0.500		ug/L			06/29/15 14:39	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 14:39	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 14:39	1
1,2-Dibromo-3-Chloropropane	ND		2.00		ug/L			06/29/15 14:39	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			06/29/15 14:39	1
Dibromomethane	ND		0.500		ug/L			06/29/15 14:39	1
1,2-Dichlorobenzene	ND		0.500		ug/L			06/29/15 14:39	1
1,3-Dichlorobenzene	ND		0.500		ug/L			06/29/15 14:39	1
1,4-Dichlorobenzene	ND		0.500		ug/L			06/29/15 14:39	1
Dichlorodifluoromethane	ND	*	0.500		ug/L			06/29/15 14:39	1
1,1-Dichloroethane	ND		0.500		ug/L			06/29/15 14:39	1
1,2-Dichloroethane	ND		0.500		ug/L			06/29/15 14:39	1
1,1-Dichloroethene	ND		0.500		ug/L			06/29/15 14:39	1
1,2-Dichloropropane	ND		0.500		ug/L			06/29/15 14:39	1
1,3-Dichloropropane	ND		0.500		ug/L			06/29/15 14:39	1
2,2-Dichloropropane	ND		0.500		ug/L			06/29/15 14:39	1
1,1-Dichloropropene	ND		0.500		ug/L			06/29/15 14:39	1
Diisopropyl ether	ND		0.500		ug/L			06/29/15 14:39	1
Ethylbenzene	ND		0.500		ug/L			06/29/15 14:39	1
Ethyl tert-butyl ether	ND		0.500		ug/L			06/29/15 14:39	1
Hexachlorobutadiene	ND		0.500		ug/L			06/29/15 14:39	1
Isopropylbenzene	ND		0.500		ug/L			06/29/15 14:39	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 14:39	1
Methyl tert-butyl ether	ND		0.500		ug/L			06/29/15 14:39	1
Naphthalene	ND		5.00		ug/L			06/29/15 14:39	1
n-Butylbenzene	ND		0.500		ug/L			06/29/15 14:39	1
N-Propylbenzene	ND		0.500		ug/L			06/29/15 14:39	1
p-Isopropyltoluene	ND		0.500		ug/L			06/29/15 14:39	1
sec-Butylbenzene	ND		0.500		ug/L			06/29/15 14:39	1
Styrene	ND		0.500		ug/L			06/29/15 14:39	1
Tert-amyl methyl ether	ND		0.500		ug/L			06/29/15 14:39	1
tert-Butyl alcohol	ND		10.0		ug/L			06/29/15 14:39	1
tert-Butylbenzene	ND		0.500		ug/L			06/29/15 14:39	1
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 14:39	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 14:39	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Client Sample ID: 2590BMID(062515)
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81555-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.500		ug/L			06/29/15 14:39	1
Toluene	ND		0.500		ug/L			06/29/15 14:39	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 14:39	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 14:39	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			06/29/15 14:39	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			06/29/15 14:39	1
1,1,1-Trichloroethane	ND		0.500		ug/L			06/29/15 14:39	1
1,1,2-Trichloroethane	ND		0.500		ug/L			06/29/15 14:39	1
Trichloroethene	ND		0.500		ug/L			06/29/15 14:39	1
Trichlorofluoromethane	ND		0.500		ug/L			06/29/15 14:39	1
1,2,3-Trichloropropane	ND		0.500		ug/L			06/29/15 14:39	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			06/29/15 14:39	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			06/29/15 14:39	1
Vinyl chloride	ND		0.500		ug/L			06/29/15 14:39	1
Xylenes, Total	ND		1.00		ug/L			06/29/15 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*06/29/15 14:39*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*06/29/15 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*06/29/15 14:39*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 14:39*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Client Sample ID: 2590BEFF(062515)
Date Collected: 06/25/15 12:15
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81555-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L			06/29/15 14:13	1
Bromobenzene	ND		0.500		ug/L			06/29/15 14:13	1
Bromochloromethane	ND		0.500		ug/L			06/29/15 14:13	1
Bromodichloromethane	ND		0.500		ug/L			06/29/15 14:13	1
Bromoform	ND		0.500		ug/L			06/29/15 14:13	1
Bromomethane	ND	*	0.500		ug/L			06/29/15 14:13	1
Carbon disulfide	ND		0.500		ug/L			06/29/15 14:13	1
Carbon tetrachloride	ND		0.500		ug/L			06/29/15 14:13	1
Chlorobenzene	ND		0.500		ug/L			06/29/15 14:13	1
Chlorodibromomethane	ND		0.500		ug/L			06/29/15 14:13	1
Chloroethane	ND		0.500		ug/L			06/29/15 14:13	1
Chloroform	ND		0.500		ug/L			06/29/15 14:13	1
Chloromethane	ND		0.500		ug/L			06/29/15 14:13	1
2-Chlorotoluene	ND		0.500		ug/L			06/29/15 14:13	1
4-Chlorotoluene	ND		0.500		ug/L			06/29/15 14:13	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 14:13	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 14:13	1
1,2-Dibromo-3-Chloropropane	ND		2.00		ug/L			06/29/15 14:13	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			06/29/15 14:13	1
Dibromomethane	ND		0.500		ug/L			06/29/15 14:13	1
1,2-Dichlorobenzene	ND		0.500		ug/L			06/29/15 14:13	1
1,3-Dichlorobenzene	ND		0.500		ug/L			06/29/15 14:13	1
1,4-Dichlorobenzene	ND		0.500		ug/L			06/29/15 14:13	1
Dichlorodifluoromethane	ND	*	0.500		ug/L			06/29/15 14:13	1
1,1-Dichloroethane	ND		0.500		ug/L			06/29/15 14:13	1
1,2-Dichloroethane	ND		0.500		ug/L			06/29/15 14:13	1
1,1-Dichloroethene	ND		0.500		ug/L			06/29/15 14:13	1
1,2-Dichloropropane	ND		0.500		ug/L			06/29/15 14:13	1
1,3-Dichloropropane	ND		0.500		ug/L			06/29/15 14:13	1
2,2-Dichloropropane	ND		0.500		ug/L			06/29/15 14:13	1
1,1-Dichloropropene	ND		0.500		ug/L			06/29/15 14:13	1
Diisopropyl ether	ND		0.500		ug/L			06/29/15 14:13	1
Ethylbenzene	ND		0.500		ug/L			06/29/15 14:13	1
Ethyl tert-butyl ether	ND		0.500		ug/L			06/29/15 14:13	1
Hexachlorobutadiene	ND		0.500		ug/L			06/29/15 14:13	1
Isopropylbenzene	ND		0.500		ug/L			06/29/15 14:13	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 14:13	1
Methyl tert-butyl ether	ND		0.500		ug/L			06/29/15 14:13	1
Naphthalene	ND		5.00		ug/L			06/29/15 14:13	1
n-Butylbenzene	ND		0.500		ug/L			06/29/15 14:13	1
N-Propylbenzene	ND		0.500		ug/L			06/29/15 14:13	1
p-Isopropyltoluene	ND		0.500		ug/L			06/29/15 14:13	1
sec-Butylbenzene	ND		0.500		ug/L			06/29/15 14:13	1
Styrene	ND		0.500		ug/L			06/29/15 14:13	1
Tert-amyl methyl ether	ND		0.500		ug/L			06/29/15 14:13	1
tert-Butyl alcohol	ND		10.0		ug/L			06/29/15 14:13	1
tert-Butylbenzene	ND		0.500		ug/L			06/29/15 14:13	1
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 14:13	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 14:13	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Client Sample ID: 2590BEFF(062515)
Date Collected: 06/25/15 12:15
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81555-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.500		ug/L			06/29/15 14:13	1
Toluene	ND		0.500		ug/L			06/29/15 14:13	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 14:13	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 14:13	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			06/29/15 14:13	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			06/29/15 14:13	1
1,1,1-Trichloroethane	ND		0.500		ug/L			06/29/15 14:13	1
1,1,2-Trichloroethane	ND		0.500		ug/L			06/29/15 14:13	1
Trichloroethene	ND		0.500		ug/L			06/29/15 14:13	1
Trichlorofluoromethane	ND		0.500		ug/L			06/29/15 14:13	1
1,2,3-Trichloropropane	ND		0.500		ug/L			06/29/15 14:13	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			06/29/15 14:13	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			06/29/15 14:13	1
Vinyl chloride	ND		0.500		ug/L			06/29/15 14:13	1
Xylenes, Total	ND		1.00		ug/L			06/29/15 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*06/29/15 14:13*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*06/29/15 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*06/29/15 14:13*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 14:13*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Client Sample ID: TB01(062515)
Date Collected: 06/25/15 01:00
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81555-4
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L			06/29/15 13:21	1
Bromobenzene	ND		0.500		ug/L			06/29/15 13:21	1
Bromochloromethane	ND		0.500		ug/L			06/29/15 13:21	1
Bromodichloromethane	ND		0.500		ug/L			06/29/15 13:21	1
Bromoform	ND		0.500		ug/L			06/29/15 13:21	1
Bromomethane	ND	*	0.500		ug/L			06/29/15 13:21	1
Carbon disulfide	ND		0.500		ug/L			06/29/15 13:21	1
Carbon tetrachloride	ND		0.500		ug/L			06/29/15 13:21	1
Chlorobenzene	ND		0.500		ug/L			06/29/15 13:21	1
Chlorodibromomethane	ND		0.500		ug/L			06/29/15 13:21	1
Chloroethane	ND		0.500		ug/L			06/29/15 13:21	1
Chloroform	ND		0.500		ug/L			06/29/15 13:21	1
Chloromethane	ND		0.500		ug/L			06/29/15 13:21	1
2-Chlorotoluene	ND		0.500		ug/L			06/29/15 13:21	1
4-Chlorotoluene	ND		0.500		ug/L			06/29/15 13:21	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 13:21	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 13:21	1
1,2-Dibromo-3-Chloropropane	ND		2.00		ug/L			06/29/15 13:21	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			06/29/15 13:21	1
Dibromomethane	ND		0.500		ug/L			06/29/15 13:21	1
1,2-Dichlorobenzene	ND		0.500		ug/L			06/29/15 13:21	1
1,3-Dichlorobenzene	ND		0.500		ug/L			06/29/15 13:21	1
1,4-Dichlorobenzene	ND		0.500		ug/L			06/29/15 13:21	1
Dichlorodifluoromethane	ND	*	0.500		ug/L			06/29/15 13:21	1
1,1-Dichloroethane	ND		0.500		ug/L			06/29/15 13:21	1
1,2-Dichloroethane	ND		0.500		ug/L			06/29/15 13:21	1
1,1-Dichloroethene	ND		0.500		ug/L			06/29/15 13:21	1
1,2-Dichloropropane	ND		0.500		ug/L			06/29/15 13:21	1
1,3-Dichloropropane	ND		0.500		ug/L			06/29/15 13:21	1
2,2-Dichloropropane	ND		0.500		ug/L			06/29/15 13:21	1
1,1-Dichloropropene	ND		0.500		ug/L			06/29/15 13:21	1
Diisopropyl ether	ND		0.500		ug/L			06/29/15 13:21	1
Ethylbenzene	ND		0.500		ug/L			06/29/15 13:21	1
Ethyl tert-butyl ether	ND		0.500		ug/L			06/29/15 13:21	1
Hexachlorobutadiene	ND		0.500		ug/L			06/29/15 13:21	1
Isopropylbenzene	ND		0.500		ug/L			06/29/15 13:21	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 13:21	1
Methyl tert-butyl ether	ND		0.500		ug/L			06/29/15 13:21	1
Naphthalene	ND		5.00		ug/L			06/29/15 13:21	1
n-Butylbenzene	ND		0.500		ug/L			06/29/15 13:21	1
N-Propylbenzene	ND		0.500		ug/L			06/29/15 13:21	1
p-Isopropyltoluene	ND		0.500		ug/L			06/29/15 13:21	1
sec-Butylbenzene	ND		0.500		ug/L			06/29/15 13:21	1
Styrene	ND		0.500		ug/L			06/29/15 13:21	1
Tert-amyl methyl ether	ND		0.500		ug/L			06/29/15 13:21	1
tert-Butyl alcohol	ND		10.0		ug/L			06/29/15 13:21	1
tert-Butylbenzene	ND		0.500		ug/L			06/29/15 13:21	1
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 13:21	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 13:21	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Client Sample ID: TB01(062515)
Date Collected: 06/25/15 01:00
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81555-4
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.500		ug/L			06/29/15 13:21	1
Toluene	ND		0.500		ug/L			06/29/15 13:21	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 13:21	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 13:21	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			06/29/15 13:21	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			06/29/15 13:21	1
1,1,1-Trichloroethane	ND		0.500		ug/L			06/29/15 13:21	1
1,1,2-Trichloroethane	ND		0.500		ug/L			06/29/15 13:21	1
Trichloroethene	ND		0.500		ug/L			06/29/15 13:21	1
Trichlorofluoromethane	ND		0.500		ug/L			06/29/15 13:21	1
1,2,3-Trichloropropane	ND		0.500		ug/L			06/29/15 13:21	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			06/29/15 13:21	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			06/29/15 13:21	1
Vinyl chloride	ND		0.500		ug/L			06/29/15 13:21	1
Xylenes, Total	ND		1.00		ug/L			06/29/15 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*06/29/15 13:21*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*06/29/15 13:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*06/29/15 13:21*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/29/15 13:21*	*1*

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-260431/6
Matrix: Water
Analysis Batch: 260431

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L			06/29/15 12:55	1
Bromobenzene	ND		0.500		ug/L			06/29/15 12:55	1
Bromochloromethane	ND		0.500		ug/L			06/29/15 12:55	1
Bromodichloromethane	ND		0.500		ug/L			06/29/15 12:55	1
Bromoform	ND		0.500		ug/L			06/29/15 12:55	1
Bromomethane	ND		0.500		ug/L			06/29/15 12:55	1
Carbon disulfide	ND		0.500		ug/L			06/29/15 12:55	1
Carbon tetrachloride	ND		0.500		ug/L			06/29/15 12:55	1
Chlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
Chlorodibromomethane	ND		0.500		ug/L			06/29/15 12:55	1
Chloroethane	ND		0.500		ug/L			06/29/15 12:55	1
Chloroform	ND		0.500		ug/L			06/29/15 12:55	1
Chloromethane	ND		0.500		ug/L			06/29/15 12:55	1
2-Chlorotoluene	ND		0.500		ug/L			06/29/15 12:55	1
4-Chlorotoluene	ND		0.500		ug/L			06/29/15 12:55	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 12:55	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 12:55	1
1,2-Dibromo-3-Chloropropane	ND		2.00		ug/L			06/29/15 12:55	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			06/29/15 12:55	1
Dibromomethane	ND		0.500		ug/L			06/29/15 12:55	1
1,2-Dichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,3-Dichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,4-Dichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
Dichlorodifluoromethane	ND		0.500		ug/L			06/29/15 12:55	1
1,1-Dichloroethane	ND		0.500		ug/L			06/29/15 12:55	1
1,2-Dichloroethane	ND		0.500		ug/L			06/29/15 12:55	1
1,1-Dichloroethene	ND		0.500		ug/L			06/29/15 12:55	1
1,2-Dichloropropane	ND		0.500		ug/L			06/29/15 12:55	1
1,3-Dichloropropane	ND		0.500		ug/L			06/29/15 12:55	1
2,2-Dichloropropane	ND		0.500		ug/L			06/29/15 12:55	1
1,1-Dichloropropene	ND		0.500		ug/L			06/29/15 12:55	1
Diisopropyl ether	ND		0.500		ug/L			06/29/15 12:55	1
Ethylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
Ethyl tert-butyl ether	ND		0.500		ug/L			06/29/15 12:55	1
Hexachlorobutadiene	ND		0.500		ug/L			06/29/15 12:55	1
Isopropylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 12:55	1
Methyl tert-butyl ether	ND		0.500		ug/L			06/29/15 12:55	1
Naphthalene	ND		5.00		ug/L			06/29/15 12:55	1
n-Butylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
N-Propylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
p-Isopropyltoluene	ND		0.500		ug/L			06/29/15 12:55	1
sec-Butylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
Styrene	ND		0.500		ug/L			06/29/15 12:55	1
Tert-amyl methyl ether	ND		0.500		ug/L			06/29/15 12:55	1
tert-Butyl alcohol	ND		10.0		ug/L			06/29/15 12:55	1
tert-Butylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 12:55	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-260431/6
Matrix: Water
Analysis Batch: 260431

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 12:55	1
Tetrachloroethene	ND		0.500		ug/L			06/29/15 12:55	1
Toluene	ND		0.500		ug/L			06/29/15 12:55	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 12:55	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 12:55	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,1,1-Trichloroethane	ND		0.500		ug/L			06/29/15 12:55	1
1,1,2-Trichloroethane	ND		0.500		ug/L			06/29/15 12:55	1
Trichloroethene	ND		0.500		ug/L			06/29/15 12:55	1
Trichlorofluoromethane	ND		0.500		ug/L			06/29/15 12:55	1
1,2,3-Trichloropropane	ND		0.500		ug/L			06/29/15 12:55	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
Vinyl chloride	ND		0.500		ug/L			06/29/15 12:55	1
Xylenes, Total	ND		1.00		ug/L			06/29/15 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*06/29/15 12:55*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 12:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*06/29/15 12:55*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 12:55*	*1*

Lab Sample ID: LCS 490-260431/3
Matrix: Water
Analysis Batch: 260431

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	5.00	5.149		ug/L		103	70 - 130
Bromobenzene	5.00	4.937		ug/L		99	70 - 130
Bromochloromethane	5.00	4.956		ug/L		99	70 - 130
Bromodichloromethane	5.00	4.909		ug/L		98	70 - 130
Bromoform	5.00	4.813		ug/L		96	70 - 130
Bromomethane	5.00	6.723	*	ug/L		134	70 - 130
Carbon disulfide	5.00	5.369		ug/L		107	70 - 130
Carbon tetrachloride	5.00	4.889		ug/L		98	70 - 130
Chlorobenzene	5.00	5.038		ug/L		101	70 - 130
Chlorodibromomethane	5.00	4.874		ug/L		97	70 - 130
Chloroethane	5.00	5.381		ug/L		108	70 - 130
Chloroform	5.00	5.418		ug/L		108	70 - 130
Chloromethane	5.00	6.456		ug/L		129	70 - 130
2-Chlorotoluene	5.00	4.705		ug/L		94	70 - 130
4-Chlorotoluene	5.00	5.236		ug/L		105	70 - 130
cis-1,2-Dichloroethene	5.00	5.262		ug/L		105	70 - 130
cis-1,3-Dichloropropene	5.00	4.742		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.527		ug/L		91	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.693		ug/L		94	70 - 130
Dibromomethane	5.00	4.939		ug/L		99	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-260431/3
Matrix: Water
Analysis Batch: 260431

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	5.00	5.261		ug/L		105	70 - 130
1,3-Dichlorobenzene	5.00	4.966		ug/L		99	70 - 130
1,4-Dichlorobenzene	5.00	4.995		ug/L		100	70 - 130
Dichlorodifluoromethane	5.00	7.929	*	ug/L		159	70 - 130
1,1-Dichloroethane	5.00	5.267		ug/L		105	70 - 130
1,2-Dichloroethane	5.00	5.044		ug/L		101	70 - 130
1,1-Dichloroethene	5.00	5.255		ug/L		105	70 - 130
1,2-Dichloropropane	5.00	5.068		ug/L		101	70 - 130
1,3-Dichloropropane	5.00	5.021		ug/L		100	70 - 130
2,2-Dichloropropane	5.00	5.186		ug/L		104	70 - 130
1,1-Dichloropropene	5.00	5.126		ug/L		103	70 - 130
Diisopropyl ether	5.00	4.999		ug/L		100	70 - 130
Ethylbenzene	5.00	5.093		ug/L		102	70 - 130
Ethyl tert-butyl ether	5.00	5.097		ug/L		102	70 - 130
Hexachlorobutadiene	5.00	4.981		ug/L		100	70 - 130
Isopropylbenzene	5.00	5.087		ug/L		102	70 - 130
Methylene Chloride	5.00	4.990	J	ug/L		100	70 - 130
Methyl tert-butyl ether	5.00	5.075		ug/L		102	70 - 130
Naphthalene	5.00	4.459	J	ug/L		89	70 - 130
n-Butylbenzene	5.00	4.544		ug/L		91	70 - 130
N-Propylbenzene	5.00	5.124		ug/L		102	70 - 130
p-Isopropyltoluene	5.00	5.111		ug/L		102	70 - 130
sec-Butylbenzene	5.00	5.257		ug/L		105	70 - 130
Styrene	5.00	4.760		ug/L		95	70 - 130
Tert-amyl methyl ether	5.00	5.113		ug/L		102	70 - 130
tert-Butyl alcohol	50.0	46.29		ug/L		93	70 - 130
tert-Butylbenzene	5.00	5.082		ug/L		102	70 - 130
1,1,1,2-Tetrachloroethane	5.00	4.863		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.168		ug/L		103	70 - 130
Tetrachloroethene	5.00	4.808		ug/L		96	70 - 130
Toluene	5.00	4.936		ug/L		99	70 - 130
trans-1,2-Dichloroethene	5.00	5.138		ug/L		103	70 - 130
trans-1,3-Dichloropropene	5.00	4.607		ug/L		92	70 - 130
1,2,3-Trichlorobenzene	5.00	5.119		ug/L		102	70 - 130
1,2,4-Trichlorobenzene	5.00	5.047		ug/L		101	70 - 130
1,1,1-Trichloroethane	5.00	5.101		ug/L		102	70 - 130
1,1,2-Trichloroethane	5.00	4.981		ug/L		100	70 - 130
Trichloroethene	5.00	5.092		ug/L		102	70 - 130
Trichlorofluoromethane	5.00	5.441		ug/L		109	70 - 130
1,2,3-Trichloropropane	5.00	4.673		ug/L		93	70 - 130
1,2,4-Trimethylbenzene	5.00	5.307		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	5.00	5.104		ug/L		102	70 - 130
Vinyl chloride	5.00	6.054		ug/L		121	70 - 130
Xylenes, Total	10.0	10.35		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-260431/3
Matrix: Water
Analysis Batch: 260431

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 490-260431/4
Matrix: Water
Analysis Batch: 260431

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	5.00	5.101		ug/L		102	70 - 130	1	20
Bromobenzene	5.00	5.054		ug/L		101	70 - 130	2	20
Bromochloromethane	5.00	4.996		ug/L		100	70 - 130	1	20
Bromodichloromethane	5.00	4.837		ug/L		97	70 - 130	1	20
Bromoform	5.00	4.721		ug/L		94	70 - 130	2	20
Bromomethane	5.00	6.482		ug/L		130	70 - 130	4	20
Carbon disulfide	5.00	5.497		ug/L		110	70 - 130	2	20
Carbon tetrachloride	5.00	4.946		ug/L		99	70 - 130	1	20
Chlorobenzene	5.00	5.060		ug/L		101	70 - 130	0	20
Chlorodibromomethane	5.00	4.833		ug/L		97	70 - 130	1	20
Chloroethane	5.00	5.682		ug/L		114	70 - 130	5	20
Chloroform	5.00	5.522		ug/L		110	70 - 130	2	20
Chloromethane	5.00	6.491		ug/L		130	70 - 130	1	20
2-Chlorotoluene	5.00	5.149		ug/L		103	70 - 130	9	20
4-Chlorotoluene	5.00	5.139		ug/L		103	70 - 130	2	20
cis-1,2-Dichloroethene	5.00	4.948		ug/L		99	70 - 130	6	20
cis-1,3-Dichloropropene	5.00	4.732		ug/L		95	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	5.00	4.191		ug/L		84	70 - 130	8	20
1,2-Dibromoethane (EDB)	5.00	4.849		ug/L		97	70 - 130	3	20
Dibromomethane	5.00	4.943		ug/L		99	70 - 130	0	20
1,2-Dichlorobenzene	5.00	5.138		ug/L		103	70 - 130	2	20
1,3-Dichlorobenzene	5.00	5.021		ug/L		100	70 - 130	1	20
1,4-Dichlorobenzene	5.00	5.148		ug/L		103	70 - 130	3	20
Dichlorodifluoromethane	5.00	7.795	*	ug/L		156	70 - 130	2	20
1,1-Dichloroethane	5.00	5.115		ug/L		102	70 - 130	3	20
1,2-Dichloroethane	5.00	5.065		ug/L		101	70 - 130	0	20
1,1-Dichloroethene	5.00	5.350		ug/L		107	70 - 130	2	20
1,2-Dichloropropane	5.00	5.182		ug/L		104	70 - 130	2	20
1,3-Dichloropropane	5.00	5.065		ug/L		101	70 - 130	1	20
2,2-Dichloropropane	5.00	5.389		ug/L		108	70 - 130	4	20
1,1-Dichloropropene	5.00	5.091		ug/L		102	70 - 130	1	20
Diisopropyl ether	5.00	5.060		ug/L		101	70 - 130	1	20
Ethylbenzene	5.00	5.258		ug/L		105	70 - 130	3	20
Ethyl tert-butyl ether	5.00	5.110		ug/L		102	70 - 130	0	20
Hexachlorobutadiene	5.00	4.901		ug/L		98	70 - 130	2	20
Isopropylbenzene	5.00	5.134		ug/L		103	70 - 130	1	20
Methylene Chloride	5.00	5.028		ug/L		101	70 - 130	1	20
Methyl tert-butyl ether	5.00	5.075		ug/L		102	70 - 130	0	20
Naphthalene	5.00	4.260	J	ug/L		85	70 - 130	5	20
n-Butylbenzene	5.00	4.632		ug/L		93	70 - 130	2	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-260431/4
Matrix: Water
Analysis Batch: 260431

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene			5.00	5.195		ug/L		104	70 - 130	1	20
p-Isopropyltoluene			5.00	5.081		ug/L		102	70 - 130	1	20
sec-Butylbenzene			5.00	5.283		ug/L		106	70 - 130	0	20
Styrene			5.00	4.679		ug/L		94	70 - 130	2	20
Tert-amyl methyl ether			5.00	4.996		ug/L		100	70 - 130	2	20
tert-Butyl alcohol			50.0	44.13		ug/L		88	70 - 130	5	20
tert-Butylbenzene			5.00	5.034		ug/L		101	70 - 130	1	20
1,1,1,2-Tetrachloroethane			5.00	4.902		ug/L		98	70 - 130	1	20
1,1,2,2-Tetrachloroethane			5.00	5.075		ug/L		102	70 - 130	2	20
Tetrachloroethene			5.00	4.958		ug/L		99	70 - 130	3	20
Toluene			5.00	5.043		ug/L		101	70 - 130	2	20
trans-1,2-Dichloroethene			5.00	5.285		ug/L		106	70 - 130	3	20
trans-1,3-Dichloropropene			5.00	4.549		ug/L		91	70 - 130	1	20
1,2,3-Trichlorobenzene			5.00	4.794		ug/L		96	70 - 130	7	20
1,2,4-Trichlorobenzene			5.00	4.634		ug/L		93	70 - 130	9	20
1,1,1-Trichloroethane			5.00	5.149		ug/L		103	70 - 130	1	20
1,1,2-Trichloroethane			5.00	4.857		ug/L		97	70 - 130	3	20
Trichloroethene			5.00	5.138		ug/L		103	70 - 130	1	20
Trichlorofluoromethane			5.00	5.541		ug/L		111	70 - 130	2	20
1,2,3-Trichloropropane			5.00	4.818		ug/L		96	70 - 130	3	20
1,2,4-Trimethylbenzene			5.00	5.299		ug/L		106	70 - 130	0	20
1,3,5-Trimethylbenzene			5.00	5.160		ug/L		103	70 - 130	1	20
Vinyl chloride			5.00	6.118		ug/L		122	70 - 130	1	20
Xylenes, Total			10.0	10.60		ug/L		106	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

GC/MS VOA

Analysis Batch: 260431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81555-1	2590BINF(062515)	Total/NA	Water	524.2	
490-81555-1	2590BINF(062515)	Total/NA	Water	524.2	
490-81555-2	2590BMID(062515)	Total/NA	Water	524.2	
490-81555-3	2590BEFF(062515)	Total/NA	Water	524.2	
490-81555-4	TB01(062515)	Total/NA	Water	524.2	
LCS 490-260431/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 490-260431/4	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 490-260431/6	Method Blank	Total/NA	Water	524.2	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Client Sample ID: 2590BINF(062515)

Lab Sample ID: 490-81555-1
Matrix: Water
Date Collected: 06/25/15 12:05
Date Received: 06/26/15 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	10 mL	10 mL	260431	06/29/15 15:05	NC	TAL NSH
Total/NA	Analysis	524.2		5	10 mL	10 mL	260431	06/29/15 17:41	NC	TAL NSH

Client Sample ID: 2590BMID(062515)

Lab Sample ID: 490-81555-2
Matrix: Water
Date Collected: 06/25/15 12:10
Date Received: 06/26/15 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	10 mL	10 mL	260431	06/29/15 14:39	NC	TAL NSH

Client Sample ID: 2590BEFF(062515)

Lab Sample ID: 490-81555-3
Matrix: Water
Date Collected: 06/25/15 12:15
Date Received: 06/26/15 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	10 mL	10 mL	260431	06/29/15 14:13	NC	TAL NSH

Client Sample ID: TB01(062515)

Lab Sample ID: 490-81555-4
Matrix: Water
Date Collected: 06/25/15 01:00
Date Received: 06/26/15 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	10 mL	10 mL	260431	06/29/15 13:21	NC	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL NSH

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81555-1

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Maryland	State Program	3	316	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	1,1,1,2-Tetrachloroethane
524.2		Water	1,1,2,2-Tetrachloroethane
524.2		Water	1,1-Dichloroethane
524.2		Water	1,1-Dichloropropene
524.2		Water	1,2,3-Trichlorobenzene
524.2		Water	1,2,3-Trichloropropane
524.2		Water	1,2,4-Trimethylbenzene
524.2		Water	1,2-Dibromo-3-Chloropropane
524.2		Water	1,2-Dibromoethane (EDB)
524.2		Water	1,3,5-Trimethylbenzene
524.2		Water	1,3-Dichlorobenzene
524.2		Water	1,3-Dichloropropane
524.2		Water	2,2-Dichloropropane
524.2		Water	2-Chlorotoluene
524.2		Water	4-Chlorotoluene
524.2		Water	Bromobenzene
524.2		Water	Bromochloromethane
524.2		Water	Bromomethane
524.2		Water	Carbon disulfide
524.2		Water	Chloroethane
524.2		Water	Chloromethane
524.2		Water	cis-1,3-Dichloropropene
524.2		Water	Dibromomethane
524.2		Water	Dichlorodifluoromethane
524.2		Water	Diisopropyl ether
524.2		Water	Ethyl tert-butyl ether
524.2		Water	Hexachlorobutadiene
524.2		Water	Isopropylbenzene
524.2		Water	Methyl tert-butyl ether
524.2		Water	Naphthalene
524.2		Water	n-Butylbenzene
524.2		Water	N-Propylbenzene
524.2		Water	p-Isopropyltoluene
524.2		Water	sec-Butylbenzene
524.2		Water	Tert-amyl methyl ether
524.2		Water	tert-Butyl alcohol
524.2		Water	tert-Butylbenzene
524.2		Water	trans-1,3-Dichloropropene
524.2		Water	Trichlorofluoromethane

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Baltimore

490-81555 Chain of Custody

Cooler Received/Opened On 6/26/2015 @ 8:45

1. Tracking # 5395 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID 17960358

2. Temperature of rep. sample or temp blank when opened: 1.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) EZA

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES..(NO)..NA

14. Was there a Trip Blank in this cooler? (YES)..NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. *Did the bottle labels indicate that the correct preservatives were used* (YES)..NO...NA

16. Was residual chlorine present? YES...NO..(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MDM

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

18. Did you sign the custody papers in the appropriate place? (YES)..NO...NA

19. Were correct containers used for the analysis requested? (YES)..NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MDM

I certify that I attached a label with the unique LIMS number to each container (intial) MPM

21. Were there Non-Conformance issues at login? YES..(NO) Was a PIPE generated? YES..(NO)..#_____

BIS = Broken in shipment

ARCADIS
Infrastructure · Water · Environment · Buildings

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Loc: 490

Lab Work Order # 81555

7/9/2015

Send Results to:

Contact & Company Name: Rusty Kahl / ARCADIS
Telephone: 410-923-7813
Address: 1114 Benfield Blvd. Suite A
Fax: —
City: Millersville State: MD Zip: 21108
E-mail Address: rusty.kahl@arcadis-us.com
Project Name/Location (City, State): *DMH#14489 / North East, MD
Project #: B0085851.0010
Sampler's Printed Name: Sarah Matteson
Sampler's Signature:

Preservative	B						
Filtered (✓)							
# of Containers	3						
Container Information	1						

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil
W - Water, SL - Sludge, SW - Sample Wipe
T - Tissue, A - Air, Other: _____

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	PARAMETER ANALYSIS & METHOD: 3 Standard List + Fuel Oxygenates (524.2)	REMARKS
259OBINF(062515)	6/25/15	1205		X	W	X	
259OBMID(062515)	"	1210		"	W	X	
259OBEFF(062515)	"	1215		"	W	X	
TBO1(062515)	↓	—		↓	W	X	

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal (✓)	Printed Name: Sarah Matteson	Printed Name: Paul Gayleard	Printed Name: Paul Gayleard	Printed Name: Mike Mc...
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:	Signature:
Specify Turnaround Requirements: —	Sample Receipt:	Firm: ARCADIS	Firm/Courier: Test America	Firm/Courier: Test America	Firm: TAL
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 6/25/15 1710	Date/Time: 6/25/15 1715	Date/Time: 6/25/15 1720	Date/Time: 6/26/15 0845

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results; YELLOW – Lab copy; PINK – Retained by ARCADIS

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 490-81555-1

Login Number: 81555
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-81552-1
Client Project/Site: 14489 - North East

For:
ARCADIS U.S., Inc.
1114 Benfield Blvd.
Suite A
Millersville, Maryland 21108

Attn: Mr. Rusty Kahl

Jennifer Huckaba

Authorized for release by:
7/9/2015 10:02:17 PM

Jennifer Huckaba, Project Manager II
(615)301-5042
jennifer.huckaba@testamericainc.com

Table of Contents

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81552-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-81552-1	2610BEFF(062515)	Water	06/25/15 12:20	06/26/15 08:45

Job ID: 490-81552-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-81552-1

Comments
No additional comments.

Receipt
The sample was received on 6/26/2015 8:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7º C.

GC/MS VOA
Method(s) 524.2: The laboratory control sample (LCS) for batch analytical batch 490-260431 recovered outside control limits for the following analytes: Dichlorodifluoromethane and Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 524.2: The laboratory control sample duplicate (LCSD) for batch analytical batch 490-260431 recovered outside control limits for the following analyte: Dichlorodifluoromethane. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81552-1

Client Sample ID: 2610BEFF(062515)
Date Collected: 06/25/15 12:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81552-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L			06/29/15 13:47	1
Bromobenzene	ND		0.500		ug/L			06/29/15 13:47	1
Bromochloromethane	ND		0.500		ug/L			06/29/15 13:47	1
Bromodichloromethane	ND		0.500		ug/L			06/29/15 13:47	1
Bromoform	ND		0.500		ug/L			06/29/15 13:47	1
Bromomethane	ND	*	0.500		ug/L			06/29/15 13:47	1
Carbon disulfide	ND		0.500		ug/L			06/29/15 13:47	1
Carbon tetrachloride	ND		0.500		ug/L			06/29/15 13:47	1
Chlorobenzene	ND		0.500		ug/L			06/29/15 13:47	1
Chlorodibromomethane	ND		0.500		ug/L			06/29/15 13:47	1
Chloroethane	ND		0.500		ug/L			06/29/15 13:47	1
Chloroform	ND		0.500		ug/L			06/29/15 13:47	1
Chloromethane	ND		0.500		ug/L			06/29/15 13:47	1
2-Chlorotoluene	ND		0.500		ug/L			06/29/15 13:47	1
4-Chlorotoluene	ND		0.500		ug/L			06/29/15 13:47	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 13:47	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 13:47	1
1,2-Dibromo-3-Chloropropane	ND		2.00		ug/L			06/29/15 13:47	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			06/29/15 13:47	1
Dibromomethane	ND		0.500		ug/L			06/29/15 13:47	1
1,2-Dichlorobenzene	ND		0.500		ug/L			06/29/15 13:47	1
1,3-Dichlorobenzene	ND		0.500		ug/L			06/29/15 13:47	1
1,4-Dichlorobenzene	ND		0.500		ug/L			06/29/15 13:47	1
Dichlorodifluoromethane	ND	*	0.500		ug/L			06/29/15 13:47	1
1,1-Dichloroethane	ND		0.500		ug/L			06/29/15 13:47	1
1,2-Dichloroethane	ND		0.500		ug/L			06/29/15 13:47	1
1,1-Dichloroethene	ND		0.500		ug/L			06/29/15 13:47	1
1,2-Dichloropropane	ND		0.500		ug/L			06/29/15 13:47	1
1,3-Dichloropropane	ND		0.500		ug/L			06/29/15 13:47	1
2,2-Dichloropropane	ND		0.500		ug/L			06/29/15 13:47	1
1,1-Dichloropropene	ND		0.500		ug/L			06/29/15 13:47	1
Diisopropyl ether	ND		0.500		ug/L			06/29/15 13:47	1
Ethylbenzene	ND		0.500		ug/L			06/29/15 13:47	1
Ethyl tert-butyl ether	ND		0.500		ug/L			06/29/15 13:47	1
Hexachlorobutadiene	ND		0.500		ug/L			06/29/15 13:47	1
Isopropylbenzene	ND		0.500		ug/L			06/29/15 13:47	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 13:47	1
Methyl tert-butyl ether	**9.79**		0.500		ug/L			06/29/15 13:47	1
Naphthalene	ND		5.00		ug/L			06/29/15 13:47	1
n-Butylbenzene	ND		0.500		ug/L			06/29/15 13:47	1
N-Propylbenzene	ND		0.500		ug/L			06/29/15 13:47	1
p-Isopropyltoluene	ND		0.500		ug/L			06/29/15 13:47	1
sec-Butylbenzene	ND		0.500		ug/L			06/29/15 13:47	1
Styrene	ND		0.500		ug/L			06/29/15 13:47	1
Tert-amyl methyl ether	ND		0.500		ug/L			06/29/15 13:47	1
tert-Butyl alcohol	**29.6**		10.0		ug/L			06/29/15 13:47	1
tert-Butylbenzene	ND		0.500		ug/L			06/29/15 13:47	1
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 13:47	1
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 13:47	1

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81552-1

Client Sample ID: 2610BEFF(062515)
Date Collected: 06/25/15 12:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81552-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.500		ug/L			06/29/15 13:47	1
Toluene	ND		0.500		ug/L			06/29/15 13:47	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 13:47	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 13:47	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			06/29/15 13:47	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			06/29/15 13:47	1
1,1,1-Trichloroethane	ND		0.500		ug/L			06/29/15 13:47	1
1,1,2-Trichloroethane	ND		0.500		ug/L			06/29/15 13:47	1
Trichloroethene	ND		0.500		ug/L			06/29/15 13:47	1
Trichlorofluoromethane	ND		0.500		ug/L			06/29/15 13:47	1
1,2,3-Trichloropropane	ND		0.500		ug/L			06/29/15 13:47	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			06/29/15 13:47	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			06/29/15 13:47	1
Vinyl chloride	ND		0.500		ug/L			06/29/15 13:47	1
Xylenes, Total	ND		1.00		ug/L			06/29/15 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*06/29/15 13:47*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*06/29/15 13:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*06/29/15 13:47*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/29/15 13:47*	*1*

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-260431/6
Matrix: Water
Analysis Batch: 260431

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L			06/29/15 12:55	1
Bromobenzene	ND		0.500		ug/L			06/29/15 12:55	1
Bromochloromethane	ND		0.500		ug/L			06/29/15 12:55	1
Bromodichloromethane	ND		0.500		ug/L			06/29/15 12:55	1
Bromoform	ND		0.500		ug/L			06/29/15 12:55	1
Bromomethane	ND		0.500		ug/L			06/29/15 12:55	1
Carbon disulfide	ND		0.500		ug/L			06/29/15 12:55	1
Carbon tetrachloride	ND		0.500		ug/L			06/29/15 12:55	1
Chlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
Chlorodibromomethane	ND		0.500		ug/L			06/29/15 12:55	1
Chloroethane	ND		0.500		ug/L			06/29/15 12:55	1
Chloroform	ND		0.500		ug/L			06/29/15 12:55	1
Chloromethane	ND		0.500		ug/L			06/29/15 12:55	1
2-Chlorotoluene	ND		0.500		ug/L			06/29/15 12:55	1
4-Chlorotoluene	ND		0.500		ug/L			06/29/15 12:55	1
cis-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 12:55	1
cis-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 12:55	1
1,2-Dibromo-3-Chloropropane	ND		2.00		ug/L			06/29/15 12:55	1
1,2-Dibromoethane (EDB)	ND		0.500		ug/L			06/29/15 12:55	1
Dibromomethane	ND		0.500		ug/L			06/29/15 12:55	1
1,2-Dichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,3-Dichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,4-Dichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
Dichlorodifluoromethane	ND		0.500		ug/L			06/29/15 12:55	1
1,1-Dichloroethane	ND		0.500		ug/L			06/29/15 12:55	1
1,2-Dichloroethane	ND		0.500		ug/L			06/29/15 12:55	1
1,1-Dichloroethene	ND		0.500		ug/L			06/29/15 12:55	1
1,2-Dichloropropane	ND		0.500		ug/L			06/29/15 12:55	1
1,3-Dichloropropane	ND		0.500		ug/L			06/29/15 12:55	1
2,2-Dichloropropane	ND		0.500		ug/L			06/29/15 12:55	1
1,1-Dichloropropene	ND		0.500		ug/L			06/29/15 12:55	1
Diisopropyl ether	ND		0.500		ug/L			06/29/15 12:55	1
Ethylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
Ethyl tert-butyl ether	ND		0.500		ug/L			06/29/15 12:55	1
Hexachlorobutadiene	ND		0.500		ug/L			06/29/15 12:55	1
Isopropylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
Methylene Chloride	ND		5.00		ug/L			06/29/15 12:55	1
Methyl tert-butyl ether	ND		0.500		ug/L			06/29/15 12:55	1
Naphthalene	ND		5.00		ug/L			06/29/15 12:55	1
n-Butylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
N-Propylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
p-Isopropyltoluene	ND		0.500		ug/L			06/29/15 12:55	1
sec-Butylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
Styrene	ND		0.500		ug/L			06/29/15 12:55	1
Tert-amyl methyl ether	ND		0.500		ug/L			06/29/15 12:55	1
tert-Butyl alcohol	ND		10.0		ug/L			06/29/15 12:55	1
tert-Butylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,1,1,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 12:55	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-260431/6
Matrix: Water
Analysis Batch: 260431

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.500		ug/L			06/29/15 12:55	1
Tetrachloroethene	ND		0.500		ug/L			06/29/15 12:55	1
Toluene	ND		0.500		ug/L			06/29/15 12:55	1
trans-1,2-Dichloroethene	ND		0.500		ug/L			06/29/15 12:55	1
trans-1,3-Dichloropropene	ND		0.500		ug/L			06/29/15 12:55	1
1,2,3-Trichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,2,4-Trichlorobenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,1,1-Trichloroethane	ND		0.500		ug/L			06/29/15 12:55	1
1,1,2-Trichloroethane	ND		0.500		ug/L			06/29/15 12:55	1
Trichloroethene	ND		0.500		ug/L			06/29/15 12:55	1
Trichlorofluoromethane	ND		0.500		ug/L			06/29/15 12:55	1
1,2,3-Trichloropropane	ND		0.500		ug/L			06/29/15 12:55	1
1,2,4-Trimethylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
1,3,5-Trimethylbenzene	ND		0.500		ug/L			06/29/15 12:55	1
Vinyl chloride	ND		0.500		ug/L			06/29/15 12:55	1
Xylenes, Total	ND		1.00		ug/L			06/29/15 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*06/29/15 12:55*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*06/29/15 12:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*06/29/15 12:55*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/29/15 12:55*	*1*

Lab Sample ID: LCS 490-260431/3
Matrix: Water
Analysis Batch: 260431

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	5.00	5.149		ug/L		103	70 - 130
Bromobenzene	5.00	4.937		ug/L		99	70 - 130
Bromochloromethane	5.00	4.956		ug/L		99	70 - 130
Bromodichloromethane	5.00	4.909		ug/L		98	70 - 130
Bromoform	5.00	4.813		ug/L		96	70 - 130
Bromomethane	5.00	6.723	*	ug/L		134	70 - 130
Carbon disulfide	5.00	5.369		ug/L		107	70 - 130
Carbon tetrachloride	5.00	4.889		ug/L		98	70 - 130
Chlorobenzene	5.00	5.038		ug/L		101	70 - 130
Chlorodibromomethane	5.00	4.874		ug/L		97	70 - 130
Chloroethane	5.00	5.381		ug/L		108	70 - 130
Chloroform	5.00	5.418		ug/L		108	70 - 130
Chloromethane	5.00	6.456		ug/L		129	70 - 130
2-Chlorotoluene	5.00	4.705		ug/L		94	70 - 130
4-Chlorotoluene	5.00	5.236		ug/L		105	70 - 130
cis-1,2-Dichloroethene	5.00	5.262		ug/L		105	70 - 130
cis-1,3-Dichloropropene	5.00	4.742		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.527		ug/L		91	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.693		ug/L		94	70 - 130
Dibromomethane	5.00	4.939		ug/L		99	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-260431/3
Matrix: Water
Analysis Batch: 260431

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	5.00	5.261		ug/L		105	70 - 130
1,3-Dichlorobenzene	5.00	4.966		ug/L		99	70 - 130
1,4-Dichlorobenzene	5.00	4.995		ug/L		100	70 - 130
Dichlorodifluoromethane	5.00	7.929	*	ug/L		159	70 - 130
1,1-Dichloroethane	5.00	5.267		ug/L		105	70 - 130
1,2-Dichloroethane	5.00	5.044		ug/L		101	70 - 130
1,1-Dichloroethene	5.00	5.255		ug/L		105	70 - 130
1,2-Dichloropropane	5.00	5.068		ug/L		101	70 - 130
1,3-Dichloropropane	5.00	5.021		ug/L		100	70 - 130
2,2-Dichloropropane	5.00	5.186		ug/L		104	70 - 130
1,1-Dichloropropene	5.00	5.126		ug/L		103	70 - 130
Diisopropyl ether	5.00	4.999		ug/L		100	70 - 130
Ethylbenzene	5.00	5.093		ug/L		102	70 - 130
Ethyl tert-butyl ether	5.00	5.097		ug/L		102	70 - 130
Hexachlorobutadiene	5.00	4.981		ug/L		100	70 - 130
Isopropylbenzene	5.00	5.087		ug/L		102	70 - 130
Methylene Chloride	5.00	4.990	J	ug/L		100	70 - 130
Methyl tert-butyl ether	5.00	5.075		ug/L		102	70 - 130
Naphthalene	5.00	4.459	J	ug/L		89	70 - 130
n-Butylbenzene	5.00	4.544		ug/L		91	70 - 130
N-Propylbenzene	5.00	5.124		ug/L		102	70 - 130
p-Isopropyltoluene	5.00	5.111		ug/L		102	70 - 130
sec-Butylbenzene	5.00	5.257		ug/L		105	70 - 130
Styrene	5.00	4.760		ug/L		95	70 - 130
Tert-amyl methyl ether	5.00	5.113		ug/L		102	70 - 130
tert-Butyl alcohol	50.0	46.29		ug/L		93	70 - 130
tert-Butylbenzene	5.00	5.082		ug/L		102	70 - 130
1,1,1,2-Tetrachloroethane	5.00	4.863		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.168		ug/L		103	70 - 130
Tetrachloroethene	5.00	4.808		ug/L		96	70 - 130
Toluene	5.00	4.936		ug/L		99	70 - 130
trans-1,2-Dichloroethene	5.00	5.138		ug/L		103	70 - 130
trans-1,3-Dichloropropene	5.00	4.607		ug/L		92	70 - 130
1,2,3-Trichlorobenzene	5.00	5.119		ug/L		102	70 - 130
1,2,4-Trichlorobenzene	5.00	5.047		ug/L		101	70 - 130
1,1,1-Trichloroethane	5.00	5.101		ug/L		102	70 - 130
1,1,2-Trichloroethane	5.00	4.981		ug/L		100	70 - 130
Trichloroethene	5.00	5.092		ug/L		102	70 - 130
Trichlorofluoromethane	5.00	5.441		ug/L		109	70 - 130
1,2,3-Trichloropropane	5.00	4.673		ug/L		93	70 - 130
1,2,4-Trimethylbenzene	5.00	5.307		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	5.00	5.104		ug/L		102	70 - 130
Vinyl chloride	5.00	6.054		ug/L		121	70 - 130
Xylenes, Total	10.0	10.35		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-260431/3
Matrix: Water
Analysis Batch: 260431

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 490-260431/4
Matrix: Water
Analysis Batch: 260431

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	5.00	5.101		ug/L		102	70 - 130	1	20
Bromobenzene	5.00	5.054		ug/L		101	70 - 130	2	20
Bromochloromethane	5.00	4.996		ug/L		100	70 - 130	1	20
Bromodichloromethane	5.00	4.837		ug/L		97	70 - 130	1	20
Bromoform	5.00	4.721		ug/L		94	70 - 130	2	20
Bromomethane	5.00	6.482		ug/L		130	70 - 130	4	20
Carbon disulfide	5.00	5.497		ug/L		110	70 - 130	2	20
Carbon tetrachloride	5.00	4.946		ug/L		99	70 - 130	1	20
Chlorobenzene	5.00	5.060		ug/L		101	70 - 130	0	20
Chlorodibromomethane	5.00	4.833		ug/L		97	70 - 130	1	20
Chloroethane	5.00	5.682		ug/L		114	70 - 130	5	20
Chloroform	5.00	5.522		ug/L		110	70 - 130	2	20
Chloromethane	5.00	6.491		ug/L		130	70 - 130	1	20
2-Chlorotoluene	5.00	5.149		ug/L		103	70 - 130	9	20
4-Chlorotoluene	5.00	5.139		ug/L		103	70 - 130	2	20
cis-1,2-Dichloroethene	5.00	4.948		ug/L		99	70 - 130	6	20
cis-1,3-Dichloropropene	5.00	4.732		ug/L		95	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	5.00	4.191		ug/L		84	70 - 130	8	20
1,2-Dibromoethane (EDB)	5.00	4.849		ug/L		97	70 - 130	3	20
Dibromomethane	5.00	4.943		ug/L		99	70 - 130	0	20
1,2-Dichlorobenzene	5.00	5.138		ug/L		103	70 - 130	2	20
1,3-Dichlorobenzene	5.00	5.021		ug/L		100	70 - 130	1	20
1,4-Dichlorobenzene	5.00	5.148		ug/L		103	70 - 130	3	20
Dichlorodifluoromethane	5.00	7.795	*	ug/L		156	70 - 130	2	20
1,1-Dichloroethane	5.00	5.115		ug/L		102	70 - 130	3	20
1,2-Dichloroethane	5.00	5.065		ug/L		101	70 - 130	0	20
1,1-Dichloroethene	5.00	5.350		ug/L		107	70 - 130	2	20
1,2-Dichloropropane	5.00	5.182		ug/L		104	70 - 130	2	20
1,3-Dichloropropane	5.00	5.065		ug/L		101	70 - 130	1	20
2,2-Dichloropropane	5.00	5.389		ug/L		108	70 - 130	4	20
1,1-Dichloropropene	5.00	5.091		ug/L		102	70 - 130	1	20
Diisopropyl ether	5.00	5.060		ug/L		101	70 - 130	1	20
Ethylbenzene	5.00	5.258		ug/L		105	70 - 130	3	20
Ethyl tert-butyl ether	5.00	5.110		ug/L		102	70 - 130	0	20
Hexachlorobutadiene	5.00	4.901		ug/L		98	70 - 130	2	20
Isopropylbenzene	5.00	5.134		ug/L		103	70 - 130	1	20
Methylene Chloride	5.00	5.028		ug/L		101	70 - 130	1	20
Methyl tert-butyl ether	5.00	5.075		ug/L		102	70 - 130	0	20
Naphthalene	5.00	4.260	J	ug/L		85	70 - 130	5	20
n-Butylbenzene	5.00	4.632		ug/L		93	70 - 130	2	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-260431/4
Matrix: Water
Analysis Batch: 260431

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Propylbenzene			5.00	5.195		ug/L		104	70 - 130	1	20
p-Isopropyltoluene			5.00	5.081		ug/L		102	70 - 130	1	20
sec-Butylbenzene			5.00	5.283		ug/L		106	70 - 130	0	20
Styrene			5.00	4.679		ug/L		94	70 - 130	2	20
Tert-amyl methyl ether			5.00	4.996		ug/L		100	70 - 130	2	20
tert-Butyl alcohol			50.0	44.13		ug/L		88	70 - 130	5	20
tert-Butylbenzene			5.00	5.034		ug/L		101	70 - 130	1	20
1,1,1,2-Tetrachloroethane			5.00	4.902		ug/L		98	70 - 130	1	20
1,1,2,2-Tetrachloroethane			5.00	5.075		ug/L		102	70 - 130	2	20
Tetrachloroethene			5.00	4.958		ug/L		99	70 - 130	3	20
Toluene			5.00	5.043		ug/L		101	70 - 130	2	20
trans-1,2-Dichloroethene			5.00	5.285		ug/L		106	70 - 130	3	20
trans-1,3-Dichloropropene			5.00	4.549		ug/L		91	70 - 130	1	20
1,2,3-Trichlorobenzene			5.00	4.794		ug/L		96	70 - 130	7	20
1,2,4-Trichlorobenzene			5.00	4.634		ug/L		93	70 - 130	9	20
1,1,1-Trichloroethane			5.00	5.149		ug/L		103	70 - 130	1	20
1,1,2-Trichloroethane			5.00	4.857		ug/L		97	70 - 130	3	20
Trichloroethene			5.00	5.138		ug/L		103	70 - 130	1	20
Trichlorofluoromethane			5.00	5.541		ug/L		111	70 - 130	2	20
1,2,3-Trichloropropane			5.00	4.818		ug/L		96	70 - 130	3	20
1,2,4-Trimethylbenzene			5.00	5.299		ug/L		106	70 - 130	0	20
1,3,5-Trimethylbenzene			5.00	5.160		ug/L		103	70 - 130	1	20
Vinyl chloride			5.00	6.118		ug/L		122	70 - 130	1	20
Xylenes, Total			10.0	10.60		ug/L		106	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81552-1

GC/MS VOA

Analysis Batch: 260431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-81552-1	2610BEFF(062515)	Total/NA	Water	524.2	
LCS 490-260431/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 490-260431/4	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 490-260431/6	Method Blank	Total/NA	Water	524.2	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81552-1

Client Sample ID: 2610BEFF(062515)
Date Collected: 06/25/15 12:20
Date Received: 06/26/15 08:45

Lab Sample ID: 490-81552-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	10 mL	10 mL	260431	06/29/15 13:47	NC	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81552-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL NSH

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: 14489 - North East

TestAmerica Job ID: 490-81552-1

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Maryland	State Program	3	316	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	1,1,1,2-Tetrachloroethane
524.2		Water	1,1,2,2-Tetrachloroethane
524.2		Water	1,1-Dichloroethane
524.2		Water	1,1-Dichloropropene
524.2		Water	1,2,3-Trichlorobenzene
524.2		Water	1,2,3-Trichloropropane
524.2		Water	1,2,4-Trimethylbenzene
524.2		Water	1,2-Dibromo-3-Chloropropane
524.2		Water	1,2-Dibromoethane (EDB)
524.2		Water	1,3,5-Trimethylbenzene
524.2		Water	1,3-Dichlorobenzene
524.2		Water	1,3-Dichloropropane
524.2		Water	2,2-Dichloropropane
524.2		Water	2-Chlorotoluene
524.2		Water	4-Chlorotoluene
524.2		Water	Bromobenzene
524.2		Water	Bromochloromethane
524.2		Water	Bromomethane
524.2		Water	Carbon disulfide
524.2		Water	Chloroethane
524.2		Water	Chloromethane
524.2		Water	cis-1,3-Dichloropropene
524.2		Water	Dibromomethane
524.2		Water	Dichlorodifluoromethane
524.2		Water	Diisopropyl ether
524.2		Water	Ethyl tert-butyl ether
524.2		Water	Hexachlorobutadiene
524.2		Water	Isopropylbenzene
524.2		Water	Methyl tert-butyl ether
524.2		Water	Naphthalene
524.2		Water	n-Butylbenzene
524.2		Water	N-Propylbenzene
524.2		Water	p-Isopropyltoluene
524.2		Water	sec-Butylbenzene
524.2		Water	Tert-amyl methyl ether
524.2		Water	tert-Butyl alcohol
524.2		Water	tert-Butylbenzene
524.2		Water	trans-1,3-Dichloropropene
524.2		Water	Trichlorofluoromethane

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Baltimore

COOLER RECEIPT FORM


490-81552 Chain of Custody

Cooler Received/Opened On 6/26/2015 @ 8:45

1. Tracking # 5395 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID 17960358

2. Temperature of rep. sample or temp blank when opened: 1.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) EZA

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. *Cooling process:* (Ice) *Ice-pack Ice (direct contact) Dry ice Other None*

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES (NO) NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) MDM

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MDM

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

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MDM

I certify that I attached a label with the unique LIMS number to each container (intial) MPM

21. Were there Non-Conformance issues at login? YES (NO) Was a PIPE generated? YES (NO) #_____

BIS = Broken in shipment

Loc: 490

ARCADIS
Infrastructure Water Environment Buildings

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order # 81552

7/9/2015

Send Results to:

Contact & Company Name: Rusty Kahl / ARCADIS	Telephone: 410-423-7813
Address: 1114 Benfield Blvd Suite A	Fax: —
City: Millersville State: MD Zip: 21108	E-mail Address: rusty.kahl@arcadis-us.com
Project Name/Location (City, State): XOM #14439 / North East, MD	Project #: B00485851.0010
Sampler's Printed Name: Sarah Matteson	Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	Preservative	Filtered (✓)	# of Containers	Container Information	PARAMETER ANALYSIS & METHOD: 3 Standard List + Fuel Oxygenates (524.2)
2610B EFF (062515)	6/25/15	1220		X	W	B		3	1	X

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil | SE - Sediment | NL - NAPL/Oil
W - Water | SL - Sludge | SW - Sample Wipe
T - Tissue | A - Air | Other: _____

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal (✓)	Printed Name: Sarah Matteson	Printed Name: Paul Gayleard	Printed Name: Paul Gayleard	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:	Signature: Mike McBride
Specify Turnaround Requirements: —	Sample Receipt:	Firm: ARCADIS	Firm/Courier: Test America	Firm/Courier: Test America	Firm: TAL
Shipping Tracking #:	Condition/Cooler Temp: _____	Date/Time: 6/25/15 1710	Date/Time: 6/25/15 1715	Date/Time: 6/25/15 1720	Date/Time: 6.26.15@ 0845 1.7c

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by ARCADIS

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 490-81552-1

Login Number: 81552
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	