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ENVIRONMENT

Mr. Robert Hill
Maryland Department of Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, MD 21230

Subject:
Second Quarter 2014 Remedial Action Progress Report
Former Exxon Facility #25553
143 Frederick Road
Thurmont, Frederick County, Maryland
MDE Case No. 9-0923-FR (1989-0923-FR)

Date:
30 October 2014

Contact:
Sterling Turner

Phone:
804-665-1074

Email:
sterling.turner@arcadis-us.com

Our ref:
B0085851.0014

Dear Mr. Hill:

ARCADIS U.S. (ARCADIS), on behalf of ExxonMobil Environmental Services Company (EMESC) on behalf ExxonMobil Corporation (ExxonMobil), is pleased to submit the Remedial Action Progress Report (RAPR) for activities performed during Second Quarter 2014 at the Former Exxon Station #25553, located at 143 Frederick Road, Thurmont, Maryland.

Please contact Sterling Turner of ARCADIS at (804) 665-1074 if you have any questions regarding the information contained in this report.

Sincerely,

ARCADIS U.S., Inc.

Sarah Matteson	Sterling Turner	Michael Cleary
Geologist I	Associate Project Manager	Senior Geologist

Copies:
Ms. Jewel Cox, ExxonMobil
Mr. Rusty Kahl, ARCADIS

Second Quarter 2014 Groundwater Monitoring Report
Former Exxon Facility #25553, 143 Frederick Road, Thurmont, MD

Regulatory Information

Regulatory Agency:	Maryland Department of the Environment (MDE)
MDE Case Number:	9-0923-FR (1989-0923-FR)
Agency Contact:	Mr. Robert Hill
Current Case Status:	Inactive soil vapor extraction (SVE) remediation system and quarterly groundwater monitoring sampling
Reporting Period:	1 April 2014 through 30 June 2014
Last Report:	First Quarter 2014 Remedial Action Progress Report, July 2014

General Site Information

ExxonMobil Contact:	Ms. Jewel Cox
Consultant Contact:	Mr. Sterling Turner
Facility Status:	Former Exxon service station – 143 Frederick Road is now operating as a bank. Remediation System and monitoring wells are located across MD Rt. 806 at 140 Frederick Road, which is currently a truck stop-style multi-unit retail property with petroleum fueling anchored by 7-11. One additional unit contains a restaurant, and the two center units are currently vacant.
Area Property Use:	See local area map (**Figure 1**)
Monitoring Wells:	MW-5, MW-6, MW-11, MW-13A, MW-37, MW-38, MW-46, MW-48, MW-50, MW-53D, MW-53I, MW-53S, MW-54D, MW-54S, MW-55D, MW-55I, MW-55S, VW-1 through VW-3, MP-1 through MP-3, and DPE-1 (**Figure 2**)
Recovery Wells:	RW-52 (Former GWPT), MW-14A, and MW-51 (SVE)
Abandoned Wells:	MW-4, MW-7, MW-9, MW-10, MW-12, MW-13, MW-14 through MW-24, MW-30 through

	MW-33, MW-35, MW-39 through MW42, MW-44, MW-47, MW-49, and VMW-4
Destroyed Wells:	MW-1 through MW-3, MW-8, MW-25, MW-26, MW-27, MW-29, MW-34, MW-36, MW-43, MW-45, and VW-5 through VW-7
Vapor Intrusion Points:	VP-1 and VP-2 **(Figure 2)**
Site Geology:	Dense silt, clay, and cobble overlaying competent fractured limestone bedrock

Activities Completed this Period

6 June 2014 – Groundwater Gauging and Sampling

Wells Gauged and Sampled:	Shallow wells: MW-5, MW-6, MW-11, MW-37, MW-50, MW-51, MW-53S, MW-54S, MW-55S, VW-1, VW-2, VW-3, MP-1, MP-2, and DPE-1; MP-3 was obstructed Deep wells: MW-13A, MW-14A, MW-38, MW-46, MW-48, MW-53I, MW-53D, MW-54D, MW-55I, MW-55D, and RW-52
Liquid Phase Hydrocarbon:	None detected
Minimum/Maximum Depth to Water:	2.24 feet (MW-51) / 12.17 feet (MW-54D)
Groundwater Flow Direction:	Southeast

Groundwater samples were collected 6 June 2014 and submitted to TestAmerica Laboratories of Nashville, Tennessee benzene, toluene, ethylbenzene, and total xylenes (BTEX) and fuel oxygenates using Environmental Protection Agency (EPA) Method 8260B, and total petroleum hydrocarbons – gasoline range organics (TPH-GRO) and total petroleum hydrocarbons – diesel range organics (TPH-DRO) by EPA Method 8015. Monitoring well gauging and sampling data are summarized on **Table 1** and depicted on **Figures 3 and 4**. No liquid phase hydrocarbon (LPH) was detected during this reporting period. Quality Assurance/Quality Control (QA/QC) samples collected included two duplicate samples (collected from MW-53S and DPE-1), a rinsate blank, and trip blank. The TestAmerica laboratory groundwater analytical report is attached as **Appendix A**.

Vapor Intrusion Activities

Two sub-slab vapor points (VP-1 and VP-2) were installed on 6 June 2014. Vapor samples were collected on 17 July 2014. VP-1 was compromised after sampling; therefore, the point was abandoned after the sample was collected. The samples were submitted to TestAmerica Laboratories of Burlington, Vermont for analysis of VOCs using Environmental Protection Agency (EPA) Method TO-15. Sampling data is summarized on **Table 2**. The TestAmerica laboratory groundwater analytical report is attached as **Appendix B**.

Groundwater Sampling Results

Benzene, toluene, ethylbenzene, methyl tertiary butyl ether (MTBE), TPH-DRO, and TPH-GRO were detected at concentrations exceeding MDE Groundwater (GW) Clean-up Standards in samples collected from multiple wells:

In the shallow well network:

- Benzene was detected at concentrations exceeding the MDE GW standard (5 µg/L) in five samples (MW-53S, MW-55S, VW-1, MP-1, and DPE-1) with a maximum concentration of 11,200 µg/L in the sample collected from MW-53S.

- Toluene was detected at concentrations exceeding the MDE GW standard (1,000 µg/L) in two samples (MW-53S and DPE-1) with a maximum concentration of 15,500 µg/L in the sample collected from MW-53S.

- Ethylbenzene was detected at concentrations exceeding the MDE GW standard (700 µg/L) in two samples (MW-53S and DPE-1) with a maximum concentration of 2,400 µg/L in the sample collected from DPE-1.

- MTBE was detected at concentrations exceeding the MDE GW standard (20 µg/L) in two samples (MW-53S and DPE-1) with a maximum concentration of 197 µg/L in the sample collected from MW-53S.

- TPH-GRO was detected above the MDE GW standard (47 µg/L) in 9 samples (MW-51, MW-53S, MW-54S, MW-55S, VW-1, VW-2, MP-1, MP-2, and DPE-1) with a maximum concentration of 76,800 µg/L in the sample collected from MW-53S.

- TPH-DRO was detected above the MDE GW standard (47 µg/L) in 14 samples (MW-5, MW-6, MW-11, MW-50, MW-51, MW-53S, MW-54S, MW-55S, VW-1, VW-2, VW-3, MP-1, MP-2, and DPE-1) with a maximum concentration of 4,960 µg/L in the sample collected from DPE-1.

In the deep well network:

- Benzene was detected at concentrations exceeding the MDE GW standard (5 µg/L) in six samples (MW-13A, MW-14A, MW-53I, MW-54D, MW-55I, and MW-55D) with a maximum concentration of 11,700 µg/L in the sample collected from MW-55I.

- Toluene was detected at concentrations exceeding the MDE GW standard (1,000 µg/L) in the sample from MW-55I with a concentration of 6,800 µg/L.

- Ethylbenzene was detected at concentrations exceeding the MDE GW standard (700 µg/L) in the sample from MW-55I with a concentration of 1,050 µg/L.

- MTBE was detected at concentrations exceeding the MDE GW standard (20 µg/L) in the samples from MW-55I with a concentration of 49.1 µg/L.

- TPH-GRO was detected above the MDE GW standard (47 µg/L) in 7 samples (MW-13A, MW-14A, MW-46, MW-53I, MW-54D, MW-55I, and MW-55D) with a maximum concentration of 68,900 µg/L in the sample collected from MW-55I.

- TPH-DRO was detected above the MDE GW standard (47 µg/L) in 8 samples (MW-13A, MW-14A, MW-46, MW-48, MW-53I, MW-54D, MW-55I, and MW-55D) with a maximum concentration of 4,090 µg/L in the sample collected from MW-55I.

Vapor Intrusion Sampling Results

The vapor intrusion results were compared to Environmental Protection Agency (EPA) Industrial Sub-Slab Regional Screening Levels (RSL). No constituents were detected at concentrations above their respective RSL in either vapor point.

Activities Planned for Next Period (Third Quarter 2014)

Activities proposed for the Third Quarter 2014 include quarterly groundwater gauging and sampling, and vapor intrusion sampling to support future remedial action. Groundwater samples will be analyzed for full list volatile organic compounds (VOCs) and fuel oxygenates using EPA Method 8260B, and TPH-GRO and TPH-DRO using EPA Method 8015. Vapor intrusion samples will be analyzed for VOCs using EPA Method TO-15.

Tables and Figures

Table 1: Groundwater Monitoring and Analytical Data
Table 2: Vapor Intrusion Analytical Data
Figure 1: Local Area Map
Figure 2: Site Map
Figure 3: Groundwater Elevation Contour Map and Analytical Data – Shallow (6 June 2014)
Figure 4: Groundwater Elevation Contour Map and Analytical Data – Bedrock (6 June 2014)

Appendices

Appendix A: TestAmerica Laboratory Analytical Reports (24 June 2014)
Appendix B: TestAmerica Laboratory Analytical Reports (29 July 2014)

Tables

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-1	4/12/2005	467.19	0.00	ND	ND	467.19	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/26/2005	467.19	0.00	ND	ND	467.19	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	4/20/2006	467.19	7.19	ND	ND	460.00	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.94 J	NA	NA	
	11/7/2006	467.19	1.40	ND	ND	465.79	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	4/26/2007	467.19	0.00	ND	ND	467.19	ND(1.0)	1.3	0.61 J	0.77 J	2.7 J	ND(1.0)	NA	NA	
	10/11/2007	467.19	0.00	ND	ND	467.19	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/21/2008	467.19	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	467.19	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/19/2008	467.19	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well destroyed
MW-2	4/12/2005	466.92	0.00	ND	ND	466.92	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/26/2005	466.92	1.79	ND	ND	465.13	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	4/20/2006	466.92	5.47	ND	ND	461.45	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	11/7/2006	466.92	0.00	ND	ND	466.92	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/14/2006	466.92	1.10	ND	ND	465.82	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	466.92	0.00	ND	ND	466.92	0.70 J	3.8	1.8	6.1	12.4 J	ND(1.0)	NA	NA	
	10/11/2007	466.92	2.80	ND	ND	464.12	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/24/2007	466.92	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well destroyed

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		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-5	4/12/2005	465.31	10.31	ND	ND	455.00	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/26/2005	465.31	20.35	ND	ND	444.96	2.0	8.1	1.2	6.0	17.3	0.84 J	NA	NA	
	4/20/2006	465.31	12.39	ND	ND	452.92	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	11/7/2006	465.31	16.60	ND	ND	448.71	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/14/2006	465.31	14.17	ND	ND	451.14	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	465.31	17.60	ND	ND	447.71	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/21/2008	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	465.31	5.90	ND	ND	459.41	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	Gauged on 5/19/08
	10/28/2008	465.31	12.21	ND	ND	453.10	3.2	1.2	0.64 J	0.76 J	5.8 J	ND(1.0)	NA	NA	
	1/13/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	465.31	9.43	ND	ND	455.88	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	5/5/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	465.31	12.16	ND	ND	453.15	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/9/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	465.31	6.51	ND	ND	458.80	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	ND(200)	
	4/30/2010	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

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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)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-5	5/16/2010	465.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	465.31	10.59	ND	ND	454.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	9/2/2010	465.31	13.09	ND	ND	452.22	0.33 J	ND(1.0)	ND(1.0)	ND(1.0)	0.33 J	ND(1.0)	ND(100)	ND(200)	
	12/8/2010	465.31	11.28	ND	ND	454.03	0.81 J	0.39 J	ND(1.0)	ND(1.0)	1.20 J	ND(1.0)	0.189	ND(200)	
	1/12/2011	465.31	11.92	ND	ND	453.39	**10.2**	5.43	6.44	23.6	45.67	<1	**278**	**227**	
	5/9/2011	465.31	5.71	ND	ND	459.60	<1	<1	<1	<3	BRL	<1	**155**	<100	
	8/2/2011	465.31	11.59	ND	ND	453.72	4.22	<1	<1	<3	4.22	<1	**310**	<100	
	11/14/2011	465.31	8.21	ND	ND	457.10	**51.3**	3.23	10.7	3.02	68.25	<1	**238**	**291**	
	2/14/2012	465.31	5.91	ND	ND	459.40	**24.5**	8.69	6.47	11.2	50.86	<1	**251**	**185**	
	5/15/2012	465.31	7.84	ND	ND	457.47	<1	<1	<1	<3	BRL	<1	**159**	<100	
	7/16/2012	465.31	9.25	ND	ND	456.06	<1	<1	<1	<3	BRL	<1	**332**	<100	
	10/8/2012	465.31	7.02	ND	ND	458.29	**34.2**	<1	3.43	<3	37.63	<1	**326**	<100	
	2/18/2013	465.31	5.58	ND	ND	459.73	<1	<1	<1	<3	BRL	<1	**139**	<100	
	6/5/2013	465.31	8.96	ND	ND	456.35	4.13	<1	<1	<3	4.13	<1	**239**	<100	
	8/7/2013	465.31	11.04	ND	ND	454.27	1.24	<1	<1	<2	1.24	<1	**516 B**	<100	
	10/4/2013	465.31	13.84	ND	ND	451.47	<1	<1	<1	<2	BRL	<1	**483**	<100	
	3/7/2014	465.31	6.49	ND	ND	458.82	<1	<1	<1	<3	BRL	<1	**108**	<100	
	6/6/2014	465.31	5.81	ND	ND	459.50	<1	<1	<1	<2	BRL	<1	**314**	<100	

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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)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-6	4/12/2005	466.34	8.38	ND	ND	457.96	**43.2**	1.6	0.79 J	0.71 J	46.3 J	**49.6**	NA	NA	
	10/26/2005	466.34	16.01	ND	ND	450.33	**186**	19.1	34.3	73.5	313	**28.3**	NA	NA	
	4/20/2006	466.34	15.71	ND	ND	450.63	**186**	11.5	10.5	2.7	211	16.9	NA	NA	
	11/7/2006	466.34	14.75	ND	ND	451.59	**397**	33.7	20.5	110	561	11.0	NA	NA	
	12/14/2006	466.34	12.66	ND	ND	453.68	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	466.34	7.95	ND	ND	458.39	4.4	ND(1.0)	ND(1.0)	ND(1.0)	4.4	0.55 J	NA	NA	
	10/11/2007	466.34	19.75	ND	ND	446.59	**69.8**	4.7	0.98 J	15.3	90.8 J	9.2	NA	NA	
	1/21/2008	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	466.34	4.57	ND	ND	461.77	**316**	20.0	10.1	54.1	400	4.3	NA	NA	Gauged on 5/19/08
	10/28/2008	466.34	8.36	ND	ND	457.98	**9.0**	0.24 J	ND(1.0)	ND(1.0)	9.2 J	0.60 J	NA	NA	
	1/13/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	466.34	6.35	ND	ND	459.99	1.1	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(1.0)	NA	NA	
	5/5/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	466.34	10.02	ND	ND	456.32	4.8	0.96 J	3.7	2.0	11.5 J	ND(1.0)	NA	NA	
	12/9/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	466.34	6.36	ND	ND	459.98	5.0	0.85 J	1.6	0.39 J	7.8 J	ND(1.0)	NA	**558**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-6	4/30/2010	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	466.34	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	466.34	9.24	ND	ND	457.10	**76.7**	ND(1.0)	0.69 J	0.32 J	77.7 J	ND(1.0)	**342**	**610**	
	9/2/2010	466.34	10.12	ND	ND	456.22	2.6	ND(1.0)	2.2	ND(1.0)	4.8	ND(1.0)	**208**	**329**	
	12/8/2010	466.34	6.69	ND	ND	459.65	**95.4**	ND(1.0)	ND(1.0)	ND(1.0)	95.4	ND(1.0)	**181**	**580**	
	1/12/2011	466.34	8.19	ND	ND	458.15	**11.2 [11.3]**	3.62 [3.64]	5.68 [6.38]	11.8 [12.4]	32.3 [33.72]	<1 [<1]	**159 [110]**	**586 [700]**	
	5/9/2011	466.34	4.96	ND	ND	461.38	1.04	1.96	10.9	5.89	19.79	<1	**125**	**481**	sheen
	8/2/2011	466.34	9.54	ND	ND	456.80	<1	<1	1.06	3.22	4.28	<1	**307**	**609**	
	11/14/2011	466.34	7.25	ND	ND	459.09	<1	1.07	<1	<3	1.07	<1	**216**	**612**	
	2/14/2012	466.34	3.90	ND	ND	462.44	<1	1.63	1.75	3.01	6.39	<1	NA	**729**	
	5/15/2012	466.34	4.36	ND	ND	461.98	<1	<1	<1	<3	BRL	<1	**145**	**364**	
	7/16/2012	466.34	6.89	ND	ND	459.45	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL	<1 [<1]	**865 [316]**	**214 [216]**	
	10/8/2012	466.34	4.55	ND	ND	461.79	<1	<1	<1	<3	BRL	<1	<94.3	**301**	
	2/18/2013	466.34	3.95	ND	ND	462.39	<1	<1	<1	<3	BRL	<1	**160**	**310**	
	6/5/2013	466.34	7.81	ND	ND	458.53	1.93	<1	<1	<3	1.93	<1	**184**	**371**	
	8/7/2013	466.34	8.05	ND	ND	458.29	<1	<1	<1	<2	BRL	<1	**285 B**	**231**	
	10/4/2013	466.34	10.81	ND	ND	455.53	<1	<1	<1	<2	BRL	<1	**226**	**274**	
	3/7/2014	466.34	4.80	ND	ND	461.54	<1	<1	<1	<3	BRL	<1	<96.2	<100	
	6/6/2014	466.34	4.14	ND	ND	462.20	<5	<5	<5	<10	BRL	<5	**211**	<1,000	

Table 1
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Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-11	4/12/2005	466.63	13.00	ND	ND	453.63	3.5	ND(1.0)	1.2	ND(1.0)	4.7	ND(1.0)	NA	NA	
	5/3/2005	466.63	16.13	ND	ND	450.50	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	466.63	14.75	ND	ND	451.88	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	466.63	14.15	ND	ND	452.48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/20/2005	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2006	466.63	16.11	ND	ND	450.52	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2006	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	3/22/2007	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/25/2007	466.63	11.80	ND	ND	454.83	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	466.63	11.80	ND	ND	454.83	**83.4**	6.2	96.0	33.0	218.6	11.2	NA	NA	
	7/19/2007	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
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Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-11	2/19/2008	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/19/2008	466.63	7.65	ND	ND	458.98	**656**	5.8	22.0	11.9	696	**51.6**	NA	NA	
	10/28/2008	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/13/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	466.63	14.34	ND	ND	452.29	0.30 J	ND(1.0)	ND(1.0)	ND(1.0)	0.30 J	ND(1.0)	NA	NA	
	5/5/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	466.63	8.30	ND	ND	458.33	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	ND(200)	
	4/30/2010	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	466.63	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	9/2/2010	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/11/2011	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/9/2011	466.63	7.92	ND	ND	458.71	**55.7**	<1	<1	<3	55.7	1.36	**1,300**	**341**	
	8/2/2011	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	

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Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-11	8/2/2011	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	11/14/2011	466.63	7.28	ND	ND	459.35	**371**	9.01	76.8	14.8	471.61	9.52	**934**	**2,490**	
	2/14/2012	466.63	8.70	ND	ND	457.93	**83**	3.89	21.3	7.94	116.13	18.3	**987**	**1,400**	
	5/15/2012	466.63	10.64	ND	ND	455.99	<1	<1	<1	<3	BRL	<1	**482**	<100	
	7/16/2012	466.63	12.42	ND	ND	454.21	<1	<1	<1	<3	BRL	<1	**308**	<100	
	10/8/2012	466.63	9.91	ND	ND	456.72	<1	<1	<1	<3	BRL	<1	**743**	**231**	
	2/18/2013	466.63	8.25	ND	ND	458.38	<1	<1	<1	<3	BRL	<1	**471**	**164**	
	6/5/2013	466.63	12.48	ND	ND	454.15	**26**	1.05	1.6	<3	28.65	<1	**366**	**187**	
	8/7/2013	466.63	15.95	ND	ND	450.68	NS	NS	NS	NS	NS	NS	NS	NS	dry - no sample collected
	10/4/2013	466.63	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	dry - no sample collected
	3/7/2014	466.63	9.96	ND	ND	456.67	**7.88**	<1	1.51	<3	9.39	<1	**535**	**2,510**	
	6/6/2014	466.63	8.63	ND	ND	458.00	<5	<5	<5	<10	BRL	<5	**442**	<500	

Table 1
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Former Exxon Station #25553
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Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-13A	4/12/2005	464.13	19.80	ND	ND	444.33	**292**	71.8	381	368	1,113	**137**	NA	NA	
	5/3/2005	464.13	22.50	ND	ND	441.63	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	464.13	28.70	ND	ND	435.43	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	464.13	31.32	ND	ND	432.81	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	464.13	35.68	ND	ND	428.45	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	464.13	37.74	ND	ND	426.39	**26.0**	1.4	9.2	8.3	44.9	1.6	NA	NA	
	12/20/2005	464.13	35.68	ND	ND	428.45	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	464.13	35.42	ND	ND	428.71	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	464.13	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	464.13	32.33	ND	ND	431.80	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	464.13	34.75	ND	ND	429.38	4.6	4.8	3.4	1.4	14.2	0.88 J	NA	NA	
	5/31/2006	464.13	32.98	ND	ND	431.15	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	464.13	30.75	ND	ND	433.38	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	464.13	30.35	ND	ND	433.78	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	464.13	30.47	ND	ND	433.66	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	464.13	29.90	ND	ND	434.23	**61.6**	25.2	48.1	238	373	5.6	NA	NA	
	11/22/2006	464.13	28.08	ND	ND	436.05	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	464.13	23.44	ND	ND	440.69	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2006	464.13	29.81	ND	ND	434.32	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	464.13	16.28	ND	ND	447.85	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	464.13	16.02	ND	ND	448.11	NS	NS	NS	NS	NS	NS	NS	NS	
	3/22/2007	464.13	29.76	ND	ND	434.37	NS	NS	NS	NS	NS	NS	NS	NS	
	4/25/2007	464.13	11.69	ND	ND	452.44	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	464.13	11.70	ND	ND	452.43	**85.8**	6.6	103	37.8	233	12.3	NA	NA	
	7/19/2007	464.13	19.88	ND	ND	444.25	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	464.13	28.47	ND	ND	435.66	**797**	147	360	1,060	2,364	**82.7**	NA	NA	
	1/21/2008	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	464.13	9.85	ND	ND	454.28	**143**	7.2	86.4	42.5	279	9.1	NA	NA	Gauged on 5/19/08

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Groundwater Monitoring and Analytical Data
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		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-13A	10/28/2008	464.13	22.40	ND	ND	441.73	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/13/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	464.13	16.91	ND	ND	447.22	**152**	20.0	234	63.5	470	4.9	NA	NA	
	5/5/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	464.13	22.05	ND	ND	442.08	0.32 J	ND(1.0)	ND(1.0)	ND(1.0)	0.32 J	ND(1.0)	NA	NA	
	12/9/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	464.13	10.39	ND	ND	453.74	4.7	0.44 J	2.4	0.99 J	8.5 J	0.45 J	NA	ND(200)	
	4/30/2010	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	464.13	19.91	ND	ND	444.22	**15.7**	2.2	13.9	4.6	36.4	1.4	**454**	**1,390**	
	9/2/2010	464.13	25.61	ND	ND	438.52	2.4	ND(1.0)	ND(1.0)	ND(1.0)	2.4	ND(1.0)	**555**	ND(200)	
	12/8/2010	464.13	23.40	ND	ND	440.73	1.6	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(1.0)	**299**	ND(200)	
	1/11/2011	464.13	24.33	ND	ND	439.80	**725**	75.2	443	291	1,534.2	**60.1**	**2,110**	**5,370**	
	5/9/2011	464.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	under mulch pile
	8/2/2011	464.13	21.58	ND	ND	442.55	**804**	58.5	366	203	1,431.5	**49.6**	**1,560**	**8,770**	
	11/14/2011	464.13	14.65	ND	ND	449.48	NS	NS	NS	NS	NS	NS	NS	NS	under standing water

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-13A	2/14/2012	464.13	11.97	ND	ND	452.16	**298**	22.1	191	60.3	571.4	14.3	**1,480**	**5,710**	
	5/15/2012	464.13	13.77	ND	ND	450.36	**40.5**	3.42	63.6	14	121.52	<1	**1,670**	**2,430**	
	7/16/2012	464.13	16.15	ND	ND	447.98	**11**	1.22	13	3.6	28.82	<1	**823**	**1,010**	
	10/8/2012	464.13	12.16	ND	ND	451.97	**158 [156]**	<1 [<1]	150 [148]	15.1 [15.4]	323.1 [319.4]	<1 [<1]	**527 [562]**	**2,910 [3,010]**	
	2/18/2013	464.13	10.35	ND	ND	453.78	**8.64**	1.88	6.06	<3	16.58	<1	**708**	**353**	
	6/5/2013	464.13	16.00	ND	ND	448.13	**13.9**	1.49	6.59	<3	21.98	<1	**1,220**	**677**	
	8/7/2013	464.13	20.05	ND	ND	444.08	**11.2**	2.02	4.66	4.24	22.12	<1	**1,720**	**706**	
	10/4/2013	464.13	26.34	ND	ND	437.79	**5.6**	<1	<1	<2	5.60	<1	**487**	**209**	
	3/7/2014	464.13	13.76	ND	ND	450.37	**26.0**	1.62	14.3	<3	41.92	<1	**3,160**	**683**	
	6/6/2014	464.13	10.80	ND	ND	453.33	**113**	<20	128	<40	241	<20	**2,050**	**1,670**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-14A	4/12/2005	463.23	19.45	ND	ND	443.78	**956**	381	340	2,150	3,827	**239**	NA	NA	
	5/3/2005	463.23	22.81	ND	ND	440.42	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	463.23	29.25	ND	ND	433.98	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	463.23	32.00	ND	ND	431.23	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	463.23	37.55	ND	ND	425.68	NS	NS	NS	NS	NS	NS	NS	NS	Trace LPH detected <0.01 thickness (feet)
	12/20/2005	463.23	37.76	ND	ND	425.47	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	463.23	37.78	ND	ND	425.45	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	463.23	35.89	ND	ND	427.34	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	463.23	33.10	ND	ND	430.13	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	463.23	36.49	ND	ND	426.74	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2006	463.23	33.80	ND	ND	429.43	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2006	463.23	33.35	ND	ND	429.88	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	463.23	31.10	ND	ND	432.13	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	463.23	30.52	ND	ND	432.71	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	463.23	30.52	ND	ND	432.71	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	463.23	30.20	ND	ND	433.03	**521**	301	311	2,680	3,813	**122**	NA	NA	
	12/22/2006	463.23	30.15	ND	ND	433.08	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	463.23	17.11	ND	ND	446.12	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	463.23	16.83	ND	ND	446.40	NS	NS	NS	NS	NS	NS	NS	NS	
	3/22/2007	463.23	30.09	ND	ND	433.14	NS	NS	NS	NS	NS	NS	NS	NS	
	7/19/2007	463.23	20.02	ND	ND	443.21	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	463.23	28.40	ND	ND	434.83	**667**	630	**756**	2,820	4,873	**144**	NA	NA	
	10/24/2007	463.23	28.44	ND	ND	434.79	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	463.23	26.42	ND	ND	436.81	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	463.23	20.40	ND	ND	442.83	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	463.23	9.85	ND	ND	453.38	**166**	4.3	159	172	501	9.5	NA	NA	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-14A	10/28/2008	463.23	7.00	ND	ND	456.23	**329**	170	388	1,550	2,437	**44.1**	NA	NA	
	1/13/2009	463.23	23.05	ND	ND	440.18	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	463.23	20.38	ND	ND	442.85	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	463.23	20.25	ND	ND	442.98	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	463.23	18.59	ND	ND	444.64	**166**	17.6	154	486	824	16.2	NA	NA	
	5/5/2009	463.23	18.36	ND	ND	444.87	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	463.23	18.26	ND	ND	444.97	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	463.23	18.42	ND	ND	444.81	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	463.23	18.15	ND	ND	445.08	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	463.23	18.32	ND	ND	444.91	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	463.23	18.47	ND	ND	444.76	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	463.23	22.07	ND	ND	441.16	**363**	87.8	324	1,430	2,205	**29.8**	NA	NA	
	12/9/2009	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	463.23	18.18	ND	ND	445.05	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	3/23/2010	463.23	15.30	ND	ND	447.93	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	463.23	11.80	ND	ND	451.43	**10.5**	0.36 J	15.8	15.8	42.5 J	0.72 J	NA	404	
	4/30/2010	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	463.23	20.38	ND	ND	442.85	**130**	3.3	62.2	32.5	228	7.2	**1,180**	**1,710**	
	7/7/2010	463.23	20.12	ND	ND	443.11	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	463.23	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	463.23	25.39	ND	ND	437.84	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	463.23	25.04	ND	ND	438.19	**311**	164	319	909	1,703	**45.8**	**3,570**	**9,090**	
	9/16/2010	463.23	26.22	ND	ND	437.01	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-14A	10/8/2010	463.23	25.58	ND	ND	437.65	NS	NS	NS	NS	NS	NS	NS	NS	
	10/8/2010	463.23	25.58	ND	ND	437.65	NS	NS	NS	NS	NS	NS	NS	NS	
	10/20/2010	463.23	18.01	ND	ND	445.22	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/2010	463.23	24.80	ND	ND	438.42	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2010	463.23	24.67	ND	ND	438.56	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	463.23	23.43	ND	ND	439.80	**199**	48	159	428	834	**42.4**	**5,550**	**3,950**	
	12/21/2010	463.23	24.68	ND	ND	438.55	NS	NS	NS	NS	NS	NS	NS	NS	
	1/11/2011	463.23	24.10	ND	ND	439.13	**707**	57.2	578	239	1,581.2	**60.8**	**3,010**	**7,450**	
	5/9/2011	463.23	11.05	ND	ND	452.18	**5.33 [5.76]**	<1 [<1]	4.5 [5.14]	<3 [3.08]	9.83 [10.9]	<1 [1.06]	**646 [831]**	**134 [114]**	
	8/2/2011	463.23	21.67	ND	ND	441.56	**637 [693]**	35.7 [42.7]	425 [448]	126 [133]	1,223.7 [1,316.7]	**46 [50]**	**2,960 [2,430]**	**8,720 [42,600]**	
	11/14/2011	463.23	14.98	ND	ND	448.25	**750**	47.4	497	190	1484.4	**43.4**	**3,050**	**8,050**	
	2/14/2012	463.23	12.45	ND	ND	450.78	**793 [761]**	52.1 [50.7]	596 [570]	176 [163]	1,617 [1,545]	**49.6 [45.6]**	**1,400 [1,600]**	**8,760 [8,350]**	
	5/15/2012	463.23	15.67	ND	ND	447.56	**13.9**	<1	17	15.4	46.3	<1	**955**	**442**	
	7/16/2012	463.23	17.66	ND	ND	445.57	**17.2**	<1	4.5	7.92	29.6	1.04	**1,290**	**613**	
	10/8/2012	463.23	13.98	ND	ND	449.25	**12.3**	1.55	26.6	38.8	79.25	<1	**559**	**709**	
	2/18/2013	463.23	12.40	ND	ND	450.83	**14.5**	<1	13.6	8.15	36.25	<1	**409**	**735**	
	6/5/2013	463.23	17.90	ND	ND	445.33	**17.9**	<1	1.76	<3	19.66	<1	**691**	**431**	
	8/7/2013	463.23	21.77	ND	ND	441.46	1.47	<1	<1	<2	1.47	<1	**686**	**297**	
	10/4/2013	463.23	26.54	ND	ND	436.69	4.98	<1	<1	<2	4.98	<1	**1,110**	**297**	
	3/7/2014	463.23	13.95	ND	ND	449.28	**6.04**	<1	19.4	7.99	33.43	<1	**406**	**375**	
	6/6/2014	463.23	11.79	ND	ND	451.44	**10.9**	<1	23.2	5.35	39.45	<1	**151**	**636**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-23	4/12/2005	460.57	22.12	ND	ND	438.45	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/26/2005	460.57	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	460.57	44.68	ND	ND	415.89	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	11/7/2006	460.57	31.72	ND	ND	428.85	ND(1.0)	ND(1.0)	ND(1.0)	0.36 J	0.36 J	ND(1.0)	NA	NA	
	4/26/2007	460.57	12.30	ND	ND	448.27	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/11/2007	460.57	30.71	ND	ND	429.86	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/21/2008	460.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	460.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	460.57	8.55	ND	ND	452.02	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	Gauged on 5/19/08
	10/28/2008	460.57	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/13/2009	460.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	460.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	460.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	460.57	17.97	ND	ND	442.60	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	Well destroyed/abandoned

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-37	4/12/2005	451.04	4.00	ND	ND	447.04	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/26/2005	451.04	14.02	ND	ND	437.02	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	4/20/2006	451.04	9.90	ND	ND	441.14	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	11/7/2006	451.04	12.05	ND	ND	438.99	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	4/26/2007	451.04	3.70	ND	ND	447.34	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/11/2007	451.04	12.70	ND	ND	438.34	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/21/2008	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	451.04	2.99	ND	ND	448.05	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	Gauged on 5/19/08
	10/28/2008	451.04	9.72	ND	ND	441.32	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/13/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	451.04	3.49	ND	ND	447.55	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	5/5/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	451.04	10.13	ND	ND	440.91	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/9/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	451.04	3.05	ND	ND	447.99	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	ND(200)	
	4/30/2010	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-37	5/16/2010	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	451.04	7.78	ND	ND	443.26	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	9/2/2010	451.04	11.65	ND	ND	439.39	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	12/8/2010	451.04	9.00	ND	ND	442.04	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	1/11/2011	451.04	9.25	ND	ND	441.79	<1	<1	<1	<3	BRL	<1	<102	<100	
	5/9/2011	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/2/2011	451.04	10.51	NM	NM	440.53	<1	<1	<1	<3	BRL	<1	<111	<100	
	11/14/2011	451.04	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/14/2012	451.04	3.22	NM	NM	447.82	<1	<1	<1	<3	BRL	<1	<99	<100	
	5/15/2012	451.04	3.48	NM	NM	447.56	<1	<1	<1	<3	BRL	<1	<96.2	<100	
	7/16/2012	451.04	7.78	NM	NM	443.26	<1	<1	<1	<3	BRL	<1	<98	<100	
	10/8/2012	451.04	5.08	NM	NM	445.96	<1	<1	<1	<3	BRL	<1	<94.3	<100	
	2/18/2013	451.04	3.12	NM	NM	447.92	<1	<1	<1	<3	BRL	<1	<93.5	<100	
	6/5/2013	451.04	6.47	NM	NM	444.57	<1	<1	<1	<3	BRL	<1	**132**	<100	
	8/7/2013	451.04	9.51	NM	NM	441.53	<1	<1	<1	<2	BRL	<1	**114**	<100	
	10/4/2013	451.04	11.82	NM	NM	439.22	<1	<1	<1	<2	BRL	<1	<100	<100	
	3/7/2014	451.04	3.36	NM	NM	447.68	<1	<1	<1	<3	BRL	<1	<89.3	<100	
	6/6/2014	451.04	3.82	NM	NM	447.22	<1	<1	<1	<2	BRL	<1	<92.6	<100	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-38	4/12/2005	454.65	9.81	ND	ND	444.84	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/26/2005	454.65	23.31	ND	ND	431.34	1.9	ND(1.0)	ND(1.0)	ND(1.0)	1.9	1.8	NA	NA	
	4/20/2006	454.65	20.29	ND	ND	434.36	**164**	0.47 J	1.3	ND(1.0)	166 J	**37.8**	NA	NA	
	11/7/2006	454.65	18.79	ND	ND	435.86	**108**	0.52 J	1.1	ND(1.0)	110 J	15.9	NA	NA	
	4/26/2007	454.65	5.20	ND	ND	449.45	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/11/2007	454.65	19.27	ND	ND	435.38	**90.3**	1.6	13.4	0.44 J	105.7 J	**22.1**	NA	NA	
	1/21/2008	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	454.65	3.19	ND	ND	451.46	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	Gauged on 5/19/08
	10/28/2008	454.65	14.48	ND	ND	440.17	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.55 J	NA	NA	
	1/13/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	454.65	7.43	ND	ND	447.22	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	5/5/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	454.65	14.31	ND	ND	440.34	**5.8**	ND(1.0)	2.2	ND(1.0)	8.0	7.1	NA	NA	
	12/9/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	454.65	3.98	ND	ND	450.67	0.56 J	ND(1.0)	ND(1.0)	ND(1.0)	0.56 J	0.47 J	NA	ND(200)	
	4/30/2010	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-38	5/16/2010	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	454.65	12.22	ND	ND	442.43	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	9/2/2010	454.65	17.69	ND	ND	436.96	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	12/8/2010	454.65	15.55	ND	ND	439.10	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	1/11/2011	454.65	14.15	ND	ND	440.50	**56.5**	2.76	70.1	<3	129.36	9.03	**172**	**2,660**	
	5/9/2011	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/2/2011	454.65	13.84	NM	NM	440.81	**46.4**	<1	43.2	3	92.6	7.7	**123**	**2,560**	
	11/14/2011	454.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/14/2012	454.65	4.53	NM	NM	450.12	4.77	<1	7.43	<3	12.20	4.16	<96.2	**688**	
	5/15/2012	454.65	17.03	NM	NM	437.62	<1	<1	<1	<3	BRL	<1	<96.2	<100	
	7/16/2012	454.65	10.28	NM	NM	444.37	**10.9**	<1	25.2	<3	36.1	6.34	**217**	**1,800**	
	10/8/2012	454.65	6.97	NM	NM	447.68	**10.1**	<1	23.3	<3	33.4	4.94	**138**	**1,160**	
	2/18/2013	454.65	4.45	NM	NM	450.20	1.53	<1	<1	<3	1.5	2.16	**103**	**230**	
	6/5/2013	454.65	10.24	NM	NM	444.41	1.13	<1	2.56	<3	3.69	<1	<100	**180**	
	8/7/2013	454.65	13.63	NM	NM	441.02	3.29	<1	3.43	<2	6.72	2.46	**194**	**344**	
	10/4/2013	454.65	18.02	NM	NM	436.63	**6.79**	<1	10.5	<2	17.29	<1	**152**	**336**	
	3/7/2014	454.65	5.79	NM	NM	448.86	<1	<1	<1	<3	BRL	<1	<89.3	<100	
	6/6/2014	454.65	5.20	NM	NM	449.45	1.83	<1	<1	<2	1.83	<1	<90.9	<100	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-40	10/26/2005	446.69	24.00	ND	ND	422.69	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	446.69	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well abandoned
MW-43	10/26/2005	439.13	6.30	ND	ND	432.83	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	4/20/2006	439.13	15.23	ND	ND	423.90	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	11/7/2006	439.13	14.98	ND	ND	424.15	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	4/26/2007	439.13	7.00	ND	ND	432.13	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/11/2007	439.13	23.50	ND	ND	415.63	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/21/2008	439.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	439.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	439.13	4.49	ND	ND	434.64	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	Gauged on 5/19/08
	10/28/2008	NM	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/13/2009	439.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	439.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	439.13	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	439.13	4.41	ND	ND	434.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
MW-45	4/12/2005	456.38	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	456.38	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	456.38	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2006	456.38	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	456.38	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	456.38	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	456.38	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	456.38	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	456.38	10.57	ND	ND	445.81	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	Gauged on 5/19/08
	10/28/2008	456.38	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/13/2009	456.38	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	456.38	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	456.38	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	456.38	19.65	ND	ND	436.73	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
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		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-46	4/12/2005	467.17	13.45	ND	ND	453.72	**5.6**	9.2	2.5	11.6	28.9	9.9	NA	NA	
	5/3/2005	467.17	15.55	ND	ND	451.62	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	467.17	23.59	ND	ND	443.58	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	467.17	23.70	ND	ND	443.47	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	467.17	24.25	ND	ND	442.92	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	467.17	24.00	ND	ND	443.17	0.42 J	238	ND(1.0)	ND(1.0)	238 J	ND(1.0)	NA	NA	
	12/20/2005	467.17	24.55	ND	ND	442.62	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	467.17	25.79	ND	ND	441.38	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2006	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2006	467.17	24.20	ND	ND	442.97	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2006	467.17	25.49	ND	ND	441.68	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	467.17	23.31	ND	ND	443.86	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2006	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	3/22/2007	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	7/19/2007	467.17	15.50	ND	ND	451.67	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	467.17	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	467.17	5.17	ND	ND	462.00	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.9	NA	NA	
	10/28/2008	467.17	22.43	ND	ND	444.74	2.0	1.0	3.7	7.3	14.0	1.3	NA	NA	

Table 1
Groundwater Monitoring and Analytical Data
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		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-46	1/13/2009	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	467.17	10.98	ND	ND	456.19	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.4	NA	NA	
	5/5/2009	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	NM	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.58 J	NA	NA	
	12/9/2009	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	467.17	6.50	ND	ND	460.67	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	ND(200)	
	4/30/2010	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	467.17	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	467.17	15.93	ND	ND	451.24	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.49 J	ND(100)	ND(200)	
	9/2/2010	467.17	23.10	ND	ND	444.07	ND(1.0)	ND(1.0)	0.90 J	ND(1.0)	0.90 J	ND(1.0)	ND(100)	ND(200)	
	12/8/2010	467.17	23.18	ND	ND	443.99	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	1/12/2011	467.17	23.92	ND	ND	443.25	2.11	48.5	5.51	3.89	60.01	<1	**755**	**146**	
	5/9/2011	467.17	4.59	ND	ND	462.58	<1	<1	<1	<3	BRL	<1	**362**	<100	
	8/2/2011	467.17	19.95	ND	ND	447.22	<1	<1	<1	<3	BRL	<1	**412**	<100	
	11/14/2011	467.17	11.08	ND	ND	456.09	<1	<1	<1	<3	BRL	<1	694	<100	
	2/14/2012	467.17	7.92	ND	ND	459.25	NS	NS	NS	NS	NS	NS	NS	NS	insufficent volume for sample
	5/15/2012	467.17	5.76	ND	ND	461.41	<1	<1	<1	<3	BRL	<1	**376**	<100	
	7/16/2012	467.17	12.46	ND	ND	454.71	<1	<1	<1	<3	BRL	<1	**999**	<100	
	10/8/2012	467.17	9.29	ND	ND	457.88	<1	<1	<1	<3	BRL	<1	**876**	<100	
	2/18/2013	467.17	7.42	ND	ND	459.75	<1	<1	<1	<3	BRL	<1	**1,030**	<100	
	6/5/2013	467.17	10.83	ND	ND	456.34	<1	<1	<1	<3	BRL	<1	**850**	<100	
	8/7/2013	467.17	17.13	ND	ND	450.04	<1	<1	<1	<2	BRL	<1	**422 B**	<100	
	10/4/2013	467.17	24.83	ND	ND	442.34	<1	<1	<1	<2	BRL	<1	**3,490**	<100	
	3/7/2014	467.17	9.41	ND	ND	457.76	<1	<1	<1	<3	BRL	<1	**487**	**252**	
	6/6/2014	467.17	4.95	ND	ND	462.22	<1	<1	<1	<2	BRL	<1	**699**	**112**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-47	4/12/2005	465.52	18.00	ND	ND	447.52	**96.5**	59.2	157	220	533	**321**	NA	NA	
	10/26/2005	465.52	26.52	ND	ND	439.00	1.8	ND(1.0)	3.6	1.1	6.5	**53.1**	NA	NA	
	4/20/2006	465.52	22.82	ND	ND	442.70	3.2	0.65 J	9.4	2.3	15.6 J	12.3	NA	NA	
	11/7/2006	465.52	25.45	ND	ND	440.07	4.1	3.8	4.3	11.2	23.4	0.64 J	NA	NA	
	12/14/2006	465.52	20.95	ND	ND	444.57	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	465.52	17.25	ND	ND	448.27	**38.7**	39.8	30.5	51.3	160.3	0.79 J	NA	NA	
	10/11/2007	465.52	26.45	ND	ND	439.07	0.82 J	ND(1.0)	ND(1.0)	ND(1.0)	0.82 J	ND(1.0)	NA	NA	
	1/21/2008	465.52	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	465.52	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well not located
	5/21/2008	465.52	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well not located
	10/28/2008	465.52	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well not located

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-48	4/12/2005	467.43	19.85	ND	ND	447.58	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	**41.8**	NA	NA	
	10/26/2005	467.43	27.04	ND	ND	440.39	1.0	54.5	0.67 J	2.9	59.1 J	19.1	NA	NA	
	4/20/2006	467.43	27.61	ND	ND	439.82	ND(1.0)	0.62 J	ND(1.0)	ND(1.0)	0.62 J	**38.6**	NA	NA	
	11/7/2006	467.43	26.55	ND	ND	440.88	**6.9**	8.8	3.4	17.4	36.5	5.9	NA	NA	
	12/14/2006	467.43	23.55	ND	ND	443.88	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	467.43	12.95	ND	ND	454.48	**43.0**	ND(1.0)	ND(1.0)	ND(1.0)	43.0	5.7	NA	NA	
	10/11/2007	467.43	26.78	ND	ND	440.65	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.0	NA	NA	
	2/19/2008	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	467.43	10.90	ND	ND	456.53	**12.1**	ND(1.0)	ND(1.0)	ND(1.0)	12.1	**20.3**	NA	NA	Gauged on 5/19/08
	10/28/2008	467.43	23.15	ND	ND	444.28	ND(1.0)	1.1	ND(1.0)	ND(1.0)	1.1	0.56 J	NA	NA	
	1/13/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	467.43	17.88	ND	ND	449.55	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	5.7	NA	NA	
	5/5/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	467.43	10.88	ND	ND	456.55	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.0	NA	ND(200)	
	4/30/2010	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	467.43	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-48	6/17/2010	467.43	20.12	ND	ND	447.31	ND(1.0)	0.60 J	ND(1.0)	ND(1.0)	0.60 J	0.55 J	**771**	ND(200)	
	9/2/2010	467.43	28.77	ND	ND	438.66	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.6	**4,800**	ND(200)	
	12/8/2010	467.43	23.41	ND	ND	444.02	ND(1.0)	12.2	ND(1.0)	ND(1.0)	12.2	0.90 J	**571**	ND(200)	
	1/11/2011	467.43	24.45	ND	ND	442.98	<1	<1	<1	<3	BRL	2.4	**972**	<100	
	5/9/2011	467.43	11.00	ND	ND	456.43	3.06	<1	<1	<3	3.06	<1	**481**	<100	
	8/2/2011	467.43	22.08	ND	ND	445.35	<1	1.32	<1	3.98	5.3	1.01	**214**	<100	
	11/14/2011	467.43	14.79	ND	ND	452.64	<1	<1	<1	<3	BRL	<1	**2,980**	<100	
	2/14/2012	467.43	7.09	ND	ND	460.34	2.4	7.05	2.53	14.6	26.58	<1	**140**	**118**	
	5/15/2012	467.43	15.79	ND	ND	451.64	<1	<1	<1	<3	BRL	<1	**823**	<100	
	7/16/2012	467.43	17.96	ND	ND	449.47	<1	<1	<1	<3	BRL	<1	**385**	<100	
	10/8/2012	467.43	13.65	ND	ND	453.78	<1	<1	<1	<3	BRL	<1	**283**	<100	
	2/18/2013	467.43	11.10	ND	ND	456.33	<1	<1	<1	<3	BRL	<1	**838**	<100	
	6/5/2013	467.43	18.10	ND	ND	449.33	<1	<1	<1	<3	BRL	<1	**407**	<100	
	8/7/2013	467.43	21.99	ND	ND	445.44	<1	<1	<1	<2	BRL	<1	**790**	<100	
	10/4/2013	467.43	26.64	ND	ND	440.79	<1	<1	<1	<2	BRL	1.17	**984**	<100	
	3/7/2014	467.43	11.34	ND	ND	456.09	<1	<1	<1	<3	BRL	<1	**256**	<100	
	6/6/2014	467.43	9.42	ND	ND	458.01	<1	<1	<1	<2	BRL	<1	**168**	<100	

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Former Exxon Station #25553
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Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-49	4/12/2005	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/3/2005	466.39	19.61	ND	ND	446.78	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	466.39	17.45	ND	ND	448.94	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/20/2005	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2006	466.39	17.38	ND	ND	449.01	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2006	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	3/22/2007	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/25/2007	466.39	10.68	ND	ND	455.71	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	466.39	10.70	ND	ND	455.69	**8.2**	ND(1.0)	ND(1.0)	0.33 J	8.5 J	1.7	NA	NA	
	7/19/2007	466.39	16.90	ND	ND	449.49	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	466.39	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

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Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-49	2/19/2008	466.39	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/19/2008	466.39	8.16	ND	ND	458.23	**604**	37.2	63.8	44.1	749	**35.4**	NA	NA	
	10/28/2008	466.39	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/13/2009	466.39	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	466.39	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	466.39	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	466.39	14.73	ND	ND	451.66	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
MW-50	4/12/2005	464.12	8.82	ND	ND	455.30	3.5	4.0	73.5	71.2	152.2	**53.9**	NA	NA	
	5/3/2005	464.12	9.30	ND	ND	454.82	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	464.12	10.29	ND	ND	453.83	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	464.12	11.78	ND	ND	452.34	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	464.12	13.16	ND	ND	450.96	**8.5**	5.1	24.4	16.3	54.3	6.5	NA	NA	
	12/20/2005	464.12	12.18	ND	ND	451.94	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	464.12	11.82	ND	ND	452.30	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	464.12	11.56	ND	ND	452.56	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	464.12	12.45	ND	ND	451.67	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	464.12	12.85	ND	ND	451.27	**114**	136	196	222	668	**75.6**	NA	NA	
	5/31/2006	464.12	12.91	ND	ND	451.21	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	464.12	14.69	ND	ND	449.43	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	464.12	13.40	ND	ND	450.72	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	464.12	12.65	ND	ND	451.47	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	464.12	12.59	ND	ND	451.53	**46.8**	49.4	147	157	400	**22.0**	NA	NA	
	11/22/2006	464.12	11.46	ND	ND	452.66	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	464.12	11.36	ND	ND	452.76	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2006	464.12	12.50	ND	ND	451.62	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	464.12	7.09	ND	ND	457.03	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	464.12	7.00	ND	ND	457.12	NS	NS	NS	NS	NS	NS	NS	NS	

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Former Exxon Station #25553
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Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-50	3/22/2007	464.12	12.44	ND	ND	451.68	NS	NS	NS	NS	NS	NS	NS	NS	
	4/25/2007	464.12	7.53	ND	ND	456.59	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	464.12	7.55	ND	ND	456.57	**11.4**	15.0	26.2	179	232	**23.7**	NA	NA	
	7/19/2007	464.12	10.35	ND	ND	453.77	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	464.12	16.87	ND	ND	447.25	**16.8**	0.70 J	0.29 J	0.85 J	18.6 J	8.7	NA	NA	
	1/21/2008	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	464.12	4.44	ND	ND	459.68	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	Gauged on 5/19/08
	10/28/2008	464.12	9.55	ND	ND	454.57	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/13/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	464.12	6.80	ND	ND	457.32	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	5/5/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	12/9/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	464.12	5.96	ND	ND	458.16	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.29 J	NA	ND(200)	
	4/30/2010	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	464.12	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-50	6/17/2010	464.12	9.98	ND	ND	454.14	0.32 J	0.48 J	7.0	7.3	15.1 J	1.4	ND(100)	**353**	
	9/2/2010	464.12	11.76	ND	ND	452.36	ND(1.0)	ND(1.0)	0.82 J	0.99 J	1.81 J	ND(1.0)	**444**	ND(200)	
	12/8/2010	464.12	9.43	ND	ND	454.69	ND(1.0)	0.45 J	6.3	6.3	13.1 J	0.62 J	**175**	**400**	
	1/12/2011	464.12	10.79	ND	ND	453.33	**7.9**	10.1	58.3	61.9	138.2	1.42	**1,060**	**3,600**	
	5/9/2011	464.12	5.75	ND	ND	458.37	<1	<1	4.08	<3	4.08	<1	<100	<100	sheen
	8/2/2011	464.12	11.18	ND	ND	452.94	2.3	1.75	8.94	9.23	22.22	<1	**170**	**1,210**	
	11/14/2011	464.12	8.26	ND	ND	455.86	2.33	1.14	9.45	8.43	21.35	<1	**417**	**1,450**	
	2/14/2012	464.12	5.44	ND	ND	458.68	**5.67**	2.44	30.9	22.6	61.61	1.34	**167**	**874**	
	5/15/2012	464.12	6.96	ND	ND	457.16	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL [BRL]	<1 [<1]	**104 [<96.2]**	<100 [<100]	
	7/16/2012	464.12	8.45	ND	ND	455.67	<1	<1	<1	<3	BRL	<1	**272**	<100	
	10/8/2012	464.12	6.33	ND	ND	457.79	<1	<1	<1	<3	BRL	<1	**236**	<100	
	2/18/2013	464.12	5.27	ND	ND	458.85	<1	<1	9.55	9.03	18.58	<1	**260**	**494**	
	6/5/2013	464.12	8.40	ND	ND	455.72	<1	<1	<1	<3	BRL	<1	<100	<100	
	8/7/2013	464.12	9.38	ND	ND	454.74	<1	<1	<1	<2	BRL	<1	**152 B**	<100	
	10/4/2013	464.12	12.86	ND	ND	451.26	<1	<1	<1	<2	BRL	<1	**351**	**1,440**	
	3/7/2014	464.12	6.02	ND	ND	458.10	<1	<1	<1	<3	BRL	<1	**280**	<100	
	6/6/2014	464.12	5.00	ND	ND	459.12	<1	<1	<1	<2	BRL	<1	**208**	<100	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-51	4/12/2005	462.76	6.80	ND	ND	455.96	**114**	9.7	24.7	21.3	170	**67.2**	NA	NA	
	10/26/2005	462.76	14.46	ND	ND	448.30	**41.8**	3.7	20.6	17.8	83.9	**36.6**	NA	NA	
	4/20/2006	462.76	14.02	ND	ND	448.74	**17.7**	0.38 J	0.68 J	0.37 J	19.1 J	7.6	NA	NA	
	11/7/2006	462.76	13.10	ND	ND	449.66	**48.6**	20.8	9.2	45.0	123.6	8.8	NA	NA	
	12/14/2006	462.76	10.80	ND	ND	451.96	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	462.76	6.20	ND	ND	456.56	**274**	10.8	33.7	30.6	349	**23.5**	NA	NA	
	10/11/2007	462.76	17.98	ND	ND	444.78	**197**	6.2	4.1	8.8	216	**94.2**	NA	NA	
	1/21/2008	462.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	462.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	462.76	2.64	ND	ND	460.12	**38.2**	2.2	16.0	10.1	66.5	5.7	NA	NA	Gauged on 5/19/08
	10/28/2008	462.76	23.82	ND	ND	438.94	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.41 J	NA	NA	
	1/13/2009	462.76	7.39	ND	ND	455.37	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	462.76	5.07	ND	ND	457.69	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	462.76	4.96	ND	ND	457.80	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	462.76	4.46	ND	ND	458.30	**66.4**	6.5	21.7	13.1	107.7	0.74 J	NA	NA	
	5/5/2009	462.76	4.25	ND	ND	458.51	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	462.76	4.40	ND	ND	458.36	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	462.76	5.00	ND	ND	457.76	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	462.76	5.00	ND	ND	457.76	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	462.76	5.19	ND	ND	457.57	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	462.76	5.35	ND	ND	457.41	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	462.76	7.51	ND	ND	455.25	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/9/2009	462.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	462.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	462.76	4.00	ND	ND	458.76	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	462.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	462.76	3.56	ND	ND	459.20	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	462.76	5.00	ND	ND	457.76	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-51	3/31/2010	462.76	5.29	ND	ND	457.47	**156**	35.5	30.9	57.4	280	1.3	NA	**1,430**	
	4/30/2010	462.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	462.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	462.76	07.35	ND	ND	455.41	**359**	6.5	18.0	14.7	398.0	1.6 J	**264**	**1,860**	
	7/7/2010	462.76	07.18	ND	ND	455.58	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	462.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	462.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	462.76	5.91	ND	ND	456.85	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	462.76	6.43	ND	ND	456.33	**10.8**	ND(1.0)	0.47 J	ND(1.0)	11.3 J	ND(1.0)	ND(100)	ND(200)	
	9/16/2010	462.76	8.95	ND	ND	453.81	NS	NS	NS	NS	NS	NS	NS	NS	
	10/8/2010	462.76	8.54	ND	ND	454.22	NS	NS	NS	NS	NS	NS	NS	NS	
	10/20/2010	462.76	8.15	ND	ND	454.61	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/2010	462.76	8.71	ND	ND	454.05	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2010	462.76	8.76	ND	ND	454.00	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	462.76	3.86	ND	ND	458.90	3.3	0.53 J	0.70 J	3.4	7.9 J	ND(1.0)	**172**	**311**	
	12/21/2010	462.76	8.73	ND	ND	454.03	NS	NS	NS	NS	NS	NS	NS	NS	
	1/12/2011	462.76	5.60	ND	ND	457.16	**14.8**	3.56	3.87	8.26	30.49	<1	<96.2	**472**	
	5/9/2011	462.76	3.14	ND	ND	459.62	**16.1**	3.56	7.1	9.26	36.02	<1	**227**	**390**	
	8/2/2011	462.76	7.69	ND	ND	455.07	**8.7 [8.72]**	<1 [1.02]	<1 [1.03]	7.79 [8.06]	16.49 [18.83]	<1 [<1]	**200 [99]**	**553 [532]**	
	11/14/2011	462.76	5.42	ND	ND	457.34	2.33	1.18	<1	4.17	7.68	<1	**177**	**335**	
	2/14/2012	462.76	2.09	ND	ND	460.67	NS	NS	NS	NS	NS	NS	NS	NS	insuffcent volume for sample
	5/15/2012	462.76	2.48	ND	ND	460.28	<1	<1	<1	<3	BRL	<1	<97.1	<100	
	7/16/2012	462.76	5.05	ND	ND	457.71	<1	<1	<1	<3	BRL	<1	220	<100	
	10/8/2012	462.76	3.77	ND	ND	458.99	<1	<1	<1	<3	BRL	<1	**108**	**230**	
	2/18/2013	462.76	2.03	ND	ND	460.73	<1	<1	<1	<3	BRL	<1	**122**	<100	
	6/5/2013	462.76	5.95	ND	ND	456.81	<1	<1	1.85	<3	1.85	<1	**144**	**143**	
	8/7/2013	462.76	6.18	ND	ND	456.58	<1	<1	<1	<2	BRL	<1	**178 B**	<100	
	10/4/2013	462.76	8.91	ND	ND	453.85	<1	<1	<1	<2	BRL	<1	**136**	**132**	
	3/7/2014	462.76	2.91	ND	ND	459.85	**7.21**	<1	17.1	5.23	29.54	<1	**133**	**417**	
	6/6/2014	462.76	2.24	ND	ND	460.52	<1	<1	1.22	<2	1.22	<1	**119**	**122**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
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		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-53S	12/14/2006	469.08	22.20	ND	ND	446.88	**5,390**	**6,070**	685	4,110	16,255	**110**	NA	NA	
	1/3/2007	469.08	19.41	ND	ND	449.67	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	469.08	12.50	ND	ND	456.58	**16,100**	**23,100**	**1,960**	**12,100**	53,260	**238**	NA	NA	
	5/21/2007	469.08	12.55	ND	ND	456.53	NS	NS	NS	NS	NS	NS	NS	NS	
	7/2/2007	469.08	12.46	ND	ND	456.62	NS	NS	NS	NS	NS	NS	NS	NS	
	8/3/2007	469.08	21.20	ND	ND	447.88	NS	NS	NS	NS	NS	NS	NS	NS	
	9/7/2007	469.08	12.77	ND	ND	456.31	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	469.08	25.55	ND	ND	443.53	**5,610**	516	247	787	7,160	**585**	NA	NA	
	10/24/2007	469.08	26.98	ND	ND	442.10	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2007	469.08	26.43	ND	ND	442.65	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	469.08	24.77	ND	ND	444.31	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	469.08	23.23	ND	ND	445.85	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	469.08	19.29	ND	ND	449.79	NS	NS	NS	NS	NS	NS	NS	NS	
	5/19/2008	469.08	12.97	ND	ND	456.11	**14,800**	**12,200**	**1,390**	7,720	36,110	**272**	NA	NA	
	10/28/2008	469.08	21.39	ND	ND	447.69	**3,990**	**7,010**	603	3,460	15,063	**68.7**	NA	NA	
	1/13/2009	469.08	20.44	ND	ND	448.64	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	469.08	18.18	ND	ND	450.90	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	469.08	18.00	ND	ND	451.08	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	469.08	16.48	ND	ND	452.60	**8,870**	**11,200**	**752**	3,950	24,772	**122**	NA	NA	
	5/5/2009	469.08	16.23	ND	ND	452.85	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	469.08	16.37	ND	ND	452.71	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	469.08	16.49	ND	ND	452.59	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	469.08	16.78	ND	ND	452.30	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	469.08	17.05	ND	ND	452.03	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	469.08	17.18	ND	ND	451.90	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	469.08	20.10	ND	ND	448.98	**974**	**2,150**	148	970	4,242	12.7	NA	NA	
	12/9/2009	469.08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	469.08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

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Former Exxon Station #25553
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		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-53S	1/22/2010	469.08	16.10	ND	ND	452.98	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	469.08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	469.08	15.40	ND	ND	453.68	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	3/23/2010	469.08	15.18	ND	ND	453.90	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	469.08	11.47	ND	ND	457.61	**11,100**	**11,700**	**991**	6,100	29,891	**389**	NA	**78,600**	
	4/30/2010	469.08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	469.08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	469.08	7.35	ND	ND	461.73	**20,000**	**23,700**	**1,770**	8,830	54,300	**645**	**3,440**	**133,000**	
	7/7/2010	469.08	7.16	ND	ND	461.92	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	469.08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	469.08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	469.08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	469.08	22.75	ND	ND	446.33	**14,500**	**15,100**	672	4,980	35,252	**602**	**4,050**	**102,000**	
	9/16/2010	469.08	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	469.08	20.63	ND	ND	448.45	**14,200**	**15,600**	653	3,400	33,853	**844**	**1,180**	**72,200**	
	1/13/2011	469.08	20.55	NM	NM	448.53	**17,300**	**10,800**	**1,220**	5,690	35,010	**676**	**2,500**	**83,000**	
	5/9/2011	469.08	10.71	NM	NM	458.37	**19,200**	**26,000**	**1,440**	7,130	53,770	**761**	**2,060**	**110,000**	
	8/2/2011	469.08	19.36	NM	NM	449.72	**14,900**	**12,800**	**1,240**	5,310	34,250	**527**	**1,960**	**118,000**	
	11/14/2011	469.08	13.90	NM	NM	455.18	**18,400**	**15,900**	**1,710**	7,610	43,620	**393**	**2,450**	**99,300**	
	2/14/2012	469.08	11.68	NM	NM	457.40	**15,500**	**14,200**	**1,590**	9,110	40,400	**659**	**2,800**	**107,000**	
	5/15/2012	469.08	14.17	NM	NM	454.91	**18,500**	**22,900**	**1,770**	8,080	51,250	**707**	**3,110**	**132,000**	
	7/16/2012	469.08	15.93	NM	NM	453.15	**14,300**	**22,000**	**1,720**	7,810	45,830	**473**	**3,840**	**112,000**	
	10/8/2012	469.08	12.83	NM	NM	456.25	**14,300**	**11,100**	**1,580**	6,930	33,910	**344**	**2,420**	**75,600**	
	2/18/2013	469.08	11.52	NM	NM	457.56	**8,490**	**11,900**	472	4,670	25,532	**236**	**2,450**	**56,400**	
	6/5/2013	469.08	15.90	NM	NM	453.18	**15,200 [18,900]**	**19,200 [30,100]**	**1,650 [1,920]**	7,990 [9,000]	44,040 [59,920]	**414 [458]**	**3,790 [3,600]**	**95,700 [93,400]**	
	8/7/2013	469.08	18.51	NM	NM	450.57	**10,300 [10,300]**	**15,500 [15,800]**	**1,190 [1,210]**	6,230 [6,290]	33,220 [33,600]	**324 [328]**	**3,190 [2,510]**	**97,700 [96,300]**	
	10/4/2013	469.08	22.44	NM	NM	446.64	**13,800 [13,500]**	**18,900 [18,100]**	**1,600 [1,560]**	7,610 [7,340]	41,910 [40,500]	**373 [362]**	**5,190 [4,920]**	**116,000 [110,000]**	
	3/7/2014	469.08	12.40	NM	NM	456.68	**13,900 [13,700]**	**19,700 [19,700]**	**1,550 [1,520]**	7,520 [7,400]	42,670 [42,320]	**325 [317]**	**4,080 [3,480]**	**94,700 [95,200]**	
	6/6/2014	469.08	11.15	NM	NM	457.93	**11,200 [9,750]**	**15,500 [13,200]**	**1,020 [975]**	4,680 [4,980]	32,400 [28,905]	**197 [166]**	**2,670 [1,580}**	**76,800 [53,800]**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-53I	12/14/2006	468.74	21.11	ND	ND	447.63	**2,090**	**2,110**	250	3,160	7,610	**186**	NA	NA	
	1/3/2007	468.74	19.07	ND	ND	449.67	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	468.74	12.65	ND	ND	456.09	**16,200**	**24,300**	**2,040**	**12,100**	54,640	**221**	NA	NA	
	5/21/2007	468.74	12.68	ND	ND	456.06	NS	NS	NS	NS	NS	NS	NS	NS	
	7/2/2007	468.74	12.59	ND	ND	456.15	NS	NS	NS	NS	NS	NS	NS	NS	
	8/3/2007	468.74	21.05	ND	ND	447.69	NS	NS	NS	NS	NS	NS	NS	NS	
	9/7/2007	468.74	12.84	ND	ND	455.90	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	469.09	25.70	ND	ND	443.39	2.0	0.41 J	ND(1.0)	0.59 J	3.0 J	0.87 J	NA	NA	
	10/24/2007	469.09	26.92	ND	ND	442.17	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2007	468.74	26.01	ND	ND	442.73	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	468.74	24.50	ND	ND	444.24	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	468.74	23.21	ND	ND	445.53	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	468.74	19.23	ND	ND	449.51	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	468.74	12.78	ND	ND	455.96	**952**	64.2	22.2	41.3	1,080	**53.5**	NA	NA	Gauged on 5/19/08
	10/28/2008	468.74	21.31	ND	ND	447.43	**85.0**	17.9	7.3	18.0	128.2	9.9	NA	NA	
	1/13/2009	468.74	19.67	ND	ND	449.07	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	468.74	18.10	ND	ND	450.64	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	468.74	18.00	ND	ND	450.74	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	468.74	16.45	ND	ND	452.29	3.1	ND(1.0)	ND(1.0)	ND(1.0)	3.1	0.89 J	NA	NA	
	5/5/2009	468.74	16.25	ND	ND	452.49	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	468.74	16.37	ND	ND	452.37	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	468.74	16.52	ND	ND	452.22	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	468.74	16.72	ND	ND	452.02	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	468.74	17.00	ND	ND	451.74	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	468.74	17.18	ND	ND	451.56	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	468.74	19.80	ND	ND	448.94	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/9/2009	468.74	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	468.74	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-53I	1/22/2010	468.74	16.00	ND	ND	452.74	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	468.74	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	468.74	15.33	ND	ND	453.41	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	3/23/2010	468.74	15.10	ND	ND	453.64	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	468.74	11.53	ND	ND	457.21	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	ND(200)	
	4/30/2010	468.74	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	468.74	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	468.74	18.58	ND	ND	450.16	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	205	ND(200)	
	7/7/2010	468.74	18.25	ND	ND	450.49	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	468.74	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	468.74	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	468.74	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	468.74	22.71	ND	ND	446.03	**222**	2.6	5.8	4.5	235	**20.5**	ND(100)	**1,110**	
	9/16/2010	468.74	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	468.74	20.50	ND	ND	448.24	**1,410**	56.5	24.4	24.3	1,515	**110**	ND(100)	**4,170**	
	1/13/2011	468.74	21.67	NM	NM	447.07	**3,060**	**1,410**	503	1,570	6,543	**161**	**861**	**18,100**	
	5/9/2011	468.74	10.40	NM	NM	458.34	**555**	159	49.6	205	969	**62.7**	**302**	**2,850**	
	8/2/2011	468.74	19.07	NM	NM	449.67	**1,800**	804	445	1,200	4,249	**69.5**	**835**	**18,000**	
	11/14/2011	468.74	13.50	NM	NM	455.24	**4,230**	**2,000**	**843**	2,290	9,363	**150**	**1,750**	**28,700**	
	2/14/2012	468.74	11.41	NM	NM	457.33	**5,300**	**2,030**	**1,130**	3,340	11,800	**358**	**1,640**	**34,500**	
	5/15/2012	468.74	13.75	NM	NM	454.99	**39.7**	7.05	5.82	16.4	68.97	4.25	**153**	**215**	
	7/16/2012	468.74	15.56	NM	NM	453.18	**35.5**	5.49	5.66	11.2	57.85	<1	**212**	**152**	
	10/8/2012	468.74	12.57	NM	NM	456.17	1.14	<1	<1	<3	1.14	1.11	**245**	<100	
	2/18/2013	468.74	11.25	NM	NM	457.49	<1	<1	<1	<3	BRL	<1	<93.5	<100	
	6/5/2013	468.74	15.64	NM	NM	453.10	<1	<1	<1	<3	BRL	<1	**222**	<100	
	8/7/2013	468.74	18.12	NM	NM	450.62	<1	<1	<1	<2	BRL	<1	**180**	<100	
	10/4/2013	468.74	22.26	NM	NM	446.48	<1	<1	<1	<2	BRL	<1	**195**	<100	
	3/7/2014	468.74	12.14	NM	NM	456.60	**351**	26.0	21.0	44.1	442.10	**24.2**	**235**	**1,800**	
	6/6/2014	468.74	10.88	NM	NM	457.86	**164**	15.5	22.6	22.9	225	16.5	**244**	**864**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-53D	12/14/2006	469.09	21.47	ND	ND	447.62	**120**	99.9	23.9	117	361	12.5	NA	NA	
	1/3/2007	469.09	19.44	ND	ND	449.65	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	469.09	12.68	ND	ND	456.41	3.1	1.2	0.70 J	0.87 J	5.9 J	1.9	NA	NA	
	5/21/2007	469.09	12.71	ND	ND	456.38	NS	NS	NS	NS	NS	NS	NS	NS	
	7/2/2007	469.09	12.60	ND	ND	456.49	NS	NS	NS	NS	NS	NS	NS	NS	
	8/3/2007	469.09	21.40	ND	ND	447.69	NS	NS	NS	NS	NS	NS	NS	NS	
	9/7/2007	469.09	12.90	ND	ND	456.19	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2007	469.09	26.92	ND	ND	442.17	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2007	469.09	26.50	ND	ND	442.59	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	469.09	24.78	ND	ND	444.31	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	469.09	23.57	ND	ND	445.52	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	469.09	19.58	ND	ND	449.51	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	469.09	10.12	ND	ND	458.97	0.62 J	ND(1.0)	0.87 J	ND(1.0)	1.49 J	ND(1.0)	NA	NA	Gauged on 5/19/08
	10/28/2008	469.09	21.68	ND	ND	447.41	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/13/2009	469.09	21.08	ND	ND	448.01	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	469.09	18.47	ND	ND	450.62	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	469.09	18.40	ND	ND	450.69	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	469.09	16.75	ND	ND	452.34	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	5/5/2009	469.09	16.48	ND	ND	452.61	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	469.09	16.54	ND	ND	452.55	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	469.09	16.67	ND	ND	452.42	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	469.09	17.07	ND	ND	452.02	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	469.09	17.39	ND	ND	451.70	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	469.09	17.50	ND	ND	451.59	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	469.09	19.75	ND	ND	449.34	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/9/2009	469.09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	469.09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	469.09	16.27	ND	ND	452.82	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-53D	2/4/2010	469.09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	469.09	16.05	ND	ND	453.04	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	3/23/2010	469.09	15.47	ND	ND	453.62	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	469.09	11.36	ND	ND	457.73	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.25 J	NA	ND(200)	
	4/30/2010	469.09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	469.09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	469.09	18.77	ND	ND	450.32	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	7/7/2010	469.09	18.35	ND	ND	450.74	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	469.09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	469.09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	469.09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	469.09	23.04	ND	ND	446.05	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	9/16/2010	469.09	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	469.09	20.92	ND	ND	448.17	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	1/13/2011	469.09	21.68	NM	NM	447.41	**27.4**	14.4	3.25	14.7	59.75	2.52	<100	**188**	
	5/9/2011	469.09	10.75	NM	NM	458.34	<1	1.03	<1	<3	1.03	<1	<94.3	<100	sheen
	8/2/2011	469.09	19.43	NM	NM	449.66	**14**	2.39	1.26	5.64	23.29	1.83	<98	<100	
	11/14/2011	469.09	13.83	NM	NM	455.26	**33**	11.2	6.89	33.6	84.69	2.38	<100	**307**	
	2/14/2012	469.09	11.73	NM	NM	457.36	<1	<1	<1	<3	BRL	<1	<95.2	<100	low-flow
	5/15/2012	469.09	14.08	NM	NM	455.01	<1	<1	<1	<3	BRL	<1	<111	<100	
	7/16/2012	469.09	15.89	NM	NM	453.20	<1	<1	<1	<3	BRL	<1	**513**	<100	
	10/8/2012	469.09	12.38	NM	NM	456.71	<1	<1	<1	<3	BRL	<1	<94.3	<100	
	2/18/2013	469.09	11.58	NM	NM	457.51	<1	<1	<1	<3	BRL	<1	<93.5	<100	
	6/5/2013	469.09	15.98	NM	NM	453.11	<1	<1	<1	<3	BRL	<1	<111	<100	
	8/7/2013	469.09	18.55	NM	NM	450.54	<1	<1	<1	<2	BRL	<1	**125**	<100	
	10/4/2013	469.09	22.59	NM	NM	446.50	<1	<1	<1	<2	BRL	<1	**114**	<100	
	3/7/2014	469.09	12.48	NM	NM	456.61	<1	<1	<1	<3	BRL	2.45	<96.2	<100	
	6/6/2014	469.09	11.22	NM	NM	457.87	<1	<1	<1	<2	BRL	<1	<87.7	<100	

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Former Exxon Station #25553
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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)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-54S	12/14/2006	468.11	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/3/2007	468.11	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	468.11	11.34	ND	ND	456.77	**40.9**	9.9	8.4	282	341	16.8	NA	NA	
	5/21/2007	468.11	11.70	ND	ND	456.41	NS	NS	NS	NS	NS	NS	NS	NS	
	7/2/2007	468.11	11.30	ND	ND	456.81	NS	NS	NS	NS	NS	NS	NS	NS	
	9/7/2007	468.11	11.40	ND	ND	456.71	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2007	468.11	25.60	ND	ND	442.51	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2007	468.11	26.77	ND	ND	441.34	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	468.11	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	468.11	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	468.11	9.05	ND	ND	459.06	**48.1**	4.7	33.2	134	220	9.4	NA	NA	Gauged on 5/19/08
	10/28/2008	468.11	18.55	ND	ND	449.56	0.31 J	ND(1.0)	ND(1.0)	ND(1.0)	0.31 J	0.38 J	NA	NA	
	1/13/2009	468.11	18.15	ND	ND	449.96	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	468.11	17.15	ND	ND	450.96	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	468.11	17.06	ND	ND	451.05	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	468.11	18.19	ND	ND	449.92	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	5/5/2009	468.11	18.05	ND	ND	450.06	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	468.11	17.94	ND	ND	450.17	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	468.11	18.03	ND	ND	450.08	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	468.11	16.85	ND	ND	451.26	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	468.11	17.00	ND	ND	451.11	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	468.11	17.12	ND	ND	450.99	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	468.11	18.17	ND	ND	449.94	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2009	468.11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	468.11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	468.11	16.08	ND	ND	452.03	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	468.11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	468.11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

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Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-54S	3/23/2010	468.11	14.44	ND	ND	453.67	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	468.11	9.12	ND	ND	458.99	**66.4**	3.5	16.3	212	298	4.9	NA	**3,670**	
	4/30/2010	468.11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	468.11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	468.11	11.02	ND	ND	457.09	**33**	2.9	80.8	6.2	122.9	3.1	**989**	**2,340**	
	7/7/2010	468.11	11.13	ND	ND	456.98	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	468.11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	468.11	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	468.11	18.10	ND	ND	450.01	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	468.11	18.15	ND	ND	449.96	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2010	468.11	18.20	ND	ND	449.91	NS	NS	NS	NS	NS	NS	NS	NS	
	10/8/2010	468.11	18.15	ND	ND	449.96	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/2010	468.11	18.20	ND	ND	449.91	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2010	468.11	18.15	ND	ND	449.96	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	468.11	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/21/2010	468.11	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/11/2011	468.11	18.21	ND	ND	449.90	NS	NS	NS	NS	NS	NS	NS	NS	
	5/9/2011	468.11	9.21	ND	ND	458.90	**7.54**	<1	1.99	<3	9.53	<1	**1,050**	**248**	sheen
	8/2/2011	468.11	18.18	ND	ND	449.93	NS	NS	NS	NS	NS	NS	NS	NS	
	11/14/2011	468.11	12.36	ND	ND	455.75	**38.4**	<1	33.2	19.9	91.5	<1	**2,390**	**947**	
	2/14/2012	468.11	9.74	ND	ND	458.37	**24.4**	<1	8.46	7.44	40.3	<1	**1,930**	**871**	
	5/15/2012	468.11	12.43	ND	ND	455.68	**59.7**	1.15	99.5	61.6	221.95	<1	**2,360**	**2,790**	
	7/16/2012	468.11	14.2	ND	ND	453.91	**42.9 [35.8]**	<1 [1.17]	81.5 [87.9]	13 [19.3]	137.40	<1 [<1]	**1,210 [1,730]**	**2,200 [2,250]**	
	10/8/2012	468.11	11.71	ND	ND	456.40	**8.98**	<1	5.9	9.89	24.77	<1	**754**	**662**	
	2/18/2013	468.11	9.98	ND	ND	458.13	1.85	<1	<1	4.16	6.01	<1	**692**	**397**	
	6/5/2013	468.11	14.36	ND	ND	453.75	**7.4**	<1	48.4	12.3	68.1	<1	**957**	**1,540**	
	8/7/2013	468.11	18.06	ND	ND	450.05	4.05	<1	<1	<2	4.05	<1	**1,050**	**649**	
	10/4/2013	468.11	18.29	ND	ND	449.82	NS	NS	NS	NS	NS	NS	NS	NS	Not enough volume to sample
	3/7/2014	468.11	11.85	ND	ND	456.26	<1	<1	<1	5.39	5.39	<1	**468**	**129**	
	6/6/2014	468.11	9.91	ND	ND	458.20	1.68	<1	39.5	26.6	67.78	<1	**417**	**1,800**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-54D	12/14/2006	467.84	23.69	ND	ND	444.15	**1,880**	789	**1,990**	6,720	11,379	**119**	NA	NA	
	1/3/2007	467.84	24.43	ND	ND	443.41	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	467.84	13.08	ND	ND	454.76	**1,920**	**1,190**	**1,650**	9,260	14,020	**93.8**	NA	NA	
	5/21/2007	467.84	13.11	ND	ND	454.73	NS	NS	NS	NS	NS	NS	NS	NS	
	7/2/2007	467.84	12.97	ND	ND	454.87	NS	NS	NS	NS	NS	NS	NS	NS	
	8/3/2007	467.84	23.22	ND	ND	444.62	NS	NS	NS	NS	NS	NS	NS	NS	
	9/7/2007	467.84	13.17	ND	ND	454.67	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	467.84	28.76	ND	ND	439.08	**1,160**	**1,070**	**1,430**	7,740	11,400	**107**	NA	NA	
	10/24/2007	467.84	26.80	ND	ND	441.04	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2007	467.84	25.40	ND	ND	442.44	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	467.84	27.84	ND	ND	440.00	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	467.84	26.04	ND	ND	441.80	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	467.84	21.55	ND	ND	446.29	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	467.84	10.14	ND	ND	457.70	**469**	122	299	3,940	4,830	**133**	NA	NA	Gauged on 5/19/08
	10/28/2008	467.84	24.10	ND	ND	443.74	**165**	84.0	12.6	1,270	1,532	**86.6**	NA	NA	
	1/13/2009	467.84	23.85	ND	ND	443.99	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	467.84	20.63	ND	ND	447.21	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	467.84	20.45	ND	ND	447.39	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	467.84	19.15	ND	ND	448.69	**157**	23.2	55.7	482	718	**51.4**	NA	NA	
	5/5/2009	467.84	18.96	ND	ND	448.88	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	467.84	18.98	ND	ND	448.86	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	467.84	19.07	ND	ND	448.77	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	467.84	18.69	ND	ND	449.15	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	467.84	18.84	ND	ND	449.00	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	467.84	19.00	ND	ND	448.84	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	467.84	22.40	ND	ND	445.44	**198**	79.1	194	923	1,394	**40.9**	NA	NA	
	12/9/2009	467.84	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	467.84	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MW-54D	1/22/2010	467.84	18.44	ND	ND	449.40	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	467.84	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	467.84	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	467.84	16.63	ND	ND	451.21	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	467.84	11.93	ND	ND	455.91	**130**	39.2	177	665	1,011	**29.7**	NA	**7,750**	
	4/30/2010	467.84	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	467.84	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	467.84	20.69	ND	ND	447.15	3.3	1.5	0.85 J	7.7	13.4 J	1.2	**201**	**275**	
	7/7/2010	467.84	20.55	ND	ND	447.29	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	467.84	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	467.84	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	467.84	25.86	ND	ND	441.98	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	467.84	25.90	ND	ND	441.94	0.30 J	0.57 J	ND(1.0)	ND(1.0)	0.87 J	ND(1.0)	ND(100)	ND(200)	
	9/16/2010	467.84	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/8/2010	467.84	18.20	ND	ND	449.64	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/2010	467.84	25.41	ND	ND	442.43	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2010	467.84	25.20	ND	ND	442.64	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	467.84	23.09	ND	ND	444.75	0.90 J	ND(1.0)	ND(1.0)	ND(1.0)	0.90 J	ND(1.0)	ND(100)	ND(200)	
	12/21/2010	467.84	23.92	ND	ND	443.92	NS	NS	NS	NS	NS	NS	NS	NS	
	1/11/2011	467.84	24.49	ND	ND	443.35	**1,340**	169	**1,630**	1,220	4,359	**63.3**	**3,010**	**22,400**	
	5/9/2011	467.84	11.31	ND	ND	456.53	**35.3**	7.41	27.6	26.3	96.6	1.44	**152**	**413**	sheen
	8/2/2011	467.84	21.91	ND	ND	445.93	**1,160**	144	**1,330**	1,320	3,954	**49.7**	**3,280**	**28,500**	
	11/14/2011	467.84	15.25	ND	ND	452.59	**1,230 [1,380]**	174 [173]	**1,640 [1,670]**	1,060 [1,080]	4,104 [4,303]	**31.5 [35.8]**	**4,350 [4,240]**	**20,900 [22,500]**	
	2/14/2012	467.84	12.73	ND	ND	455.11	**915 [1,010]**	131 [136]	**1,350 [1,500]**	1,090 [1,160]	3,486 [3,806]	**40.8 [37.5]**	**5,140 [5,000]**	**22,200 [25,100]**	
	5/15/2012	467.84	15.94	ND	ND	451.90	2.82	<1	3.16	<3	5.98	<1	<100	<100	
	7/16/2012	467.84	17.93	ND	ND	449.91	**240 E**	37	264 E	138	175.00	7.95	**450**	**761**	
	10/8/2012	467.84	14.25	ND	ND	453.59	**493**	56.1	585	187	1,321.1	14.2	**1,140**	**11,300**	
	2/18/2013	467.84	12.70	ND	ND	455.14	<1	<1	<1	<3	BRL	<1	**171**	<100	
	6/5/2013	467.84	18.18	ND	ND	449.66	**61.7**	26.3	83	23.1	194.1	2.68	**542**	**900**	
	8/7/2013	467.84	22.02	ND	ND	445.82	**84.9**	53.7	112	36	286.6	<1	**801 B**	**1,530**	
	10/4/2013	467.84	26.83	ND	ND	441.01	**98.6**	80.2	107	40.6	326.4	<1	**1,200**	**1,820**	
	3/7/2014	467.84	14.60	ND	ND	453.24	**308**	46.3	387	118	859.3	9.28	**2,420**	**5,310**	
	6/6/2014	467.84	12.17	ND	ND	455.67	**13.8**	4.98	12.0	5.31	36.1	1.28	**359**	**505**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-55S	12/14/2006	465.76	19.50	ND	ND	446.26	**1,050**	**4,390**	679	6,840	12,959	**26.4**	NA	NA	
	1/3/2007	465.76	14.91	ND	ND	450.85	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	465.76	9.30	ND	ND	456.46	**2,390**	**1,610**	**1,750**	7,310	13,060	**124**	NA	NA	
	5/21/2007	465.76	9.33	ND	ND	456.43	NS	NS	NS	NS	NS	NS	NS	NS	
	7/2/2007	465.76	9.26	ND	ND	456.50	NS	NS	NS	NS	NS	NS	NS	NS	
	8/3/2007	465.76	15.11	ND	ND	450.65	NS	NS	NS	NS	NS	NS	NS	NS	
	9/7/2007	465.76	9.39	ND	ND	456.37	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	465.76	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2007	465.76	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	465.76	19.81	ND	ND	445.95	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	465.76	19.83	ND	ND	445.93	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	465.76	19.83	ND	ND	445.93	NS	NS	NS	NS	NS	NS	NS	NS	
	5/19/2008	465.76	6.90	ND	ND	458.86	**1,110**	620	**1,210**	1,720	4,660	**70.4**	NA	NA	
	10/28/2008	465.76	19.80	ND	ND	445.96	**521**	356	532	757	2,166	**75.8**	NA	NA	
	1/13/2009	465.76	19.26	ND	ND	446.50	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	465.76	13.58	ND	ND	452.18	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	465.76	13.48	ND	ND	452.28	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	465.76	13.30	ND	ND	452.46	**262**	43.9	547	273	1,126	**53.3**	NA	NA	
	5/5/2009	465.76	13.05	ND	ND	452.71	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	465.76	13.37	ND	ND	452.39	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	465.76	13.84	ND	ND	451.92	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	465.76	12.76	ND	ND	453.00	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	465.76	12.97	ND	ND	452.79	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	465.76	14.60	ND	ND	451.16	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	465.76	14.85	ND	ND	450.91	**203**	35.0	**1,550**	88.6	1,877	**27.2**	NA	NA	
	12/9/2009	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	465.76	11.20	ND	ND	454.56	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-55S	2/4/2010	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	465.76	11.68	ND	ND	454.08	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	465.76	7.85	ND	ND	457.91	**187**	51.8	226	103	568	**47.4**	NA	**7,400**	
	4/30/2010	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	465.76	13.56	ND	ND	452.20	**346**	85.8	**2,390**	590	3,412	17.0 J	**3,290**	**1,540**	
	7/7/2010	465.76	13.20	ND	ND	452.56	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	465.76	19.42	ND	ND	446.34	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2010	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	465.76	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/11/2011	465.76	15.98	NM	NM	449.78	NS	NS	NS	NS	NS	NS	NS	NS	
	5/9/2011	465.76	6.68	NM	NM	459.08	**588**	79.6	434	242	1,344	5.62	**4,230**	**5,430**	sheen
	8/2/2011	465.76	14.76	NM	NM	451.00	**470**	29.4	188	18.3	705.7	11.2	**2,280**	**4,360**	
	11/14/2011	465.76	10.47	NM	NM	455.29	**330**	32.1	173	75.2	610.3	7.24	**1,930**	**3,290**	
	2/14/2012	465.76	8.05	NM	NM	457.71	**120**	18.1	141	24.8	303.9	12	**1,920**	**3,340**	
	5/15/2012	465.76	10.43	NM	NM	455.33	**61.2**	9.24	44.1	15.4	129.94	9.21	**1,420**	**2,450**	
	7/16/2012	465.76	11.85	NM	NM	453.91	**55.9**	11.3	54.5	14.1	135.80	7.65	**3,740**	**2,920**	
	10/8/2012	465.76	9.18	NM	NM	456.58	**48.7**	9.07	84.9	13.1	155.77	6.17	**1,660**	**3,320**	
	2/18/2013	465.76	7.78	NM	NM	457.98	**37.4**	5.82	28.4	18.5	90.12	<1	**1,560**	**3,090**	
	6/5/2013	465.76	11.81	NM	NM	453.95	**52.7**	16	131	35.4	235.1	3.49	**2,200**	**3,390**	
	8/7/2013	465.76	14.44	NM	NM	451.32	**36.5**	5.44	45.9	23.9	111.74	3.04	**2,280**	**4,200**	
	10/4/2013	465.76	18.90	NM	NM	446.86	**25.9**	5.65	2.95	17.9	52.40	<1	**1,770**	**2,900**	
	3/7/2014	465.76	9.42	NM	NM	456.34	**410**	29.4	193	93.9	726.3	8.81	**4,340**	**6,100**	
	6/6/2014	465.76	11.97	NM	NM	453.79	**449**	31.3	125	77.0	682.3	11.6	**2,860**	**6,600**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-55I	12/14/2006	465.67	21.40	ND	ND	444.27	**2,280**	**3,700**	**1,600**	6,870	14,450	**31.9**	NA	NA	
	1/3/2007	465.67	19.06	ND	ND	446.61	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	465.67	10.90	ND	ND	454.77	**10,700**	**12,300**	**820**	10,000	33,820	**32.6 J**	NA	NA	
	5/21/2007	465.67	10.96	ND	ND	454.71	NS	NS	NS	NS	NS	NS	NS	NS	
	7/2/2007	465.67	10.86	ND	ND	454.81	NS	NS	NS	NS	NS	NS	NS	NS	
	8/3/2007	465.67	21.88	ND	ND	443.79	NS	NS	NS	NS	NS	NS	NS	NS	
	9/7/2007	465.67	11.01	ND	ND	454.66	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	465.67	26.35	ND	ND	439.32	**13,700**	**15,400**	**1,610**	8,390	39,100	ND(100)	NA	NA	
	10/24/2007	465.67	26.41	ND	ND	439.26	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2007	465.67	26.77	ND	ND	438.90	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	465.67	25.65	ND	ND	440.02	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	465.67	23.11	ND	ND	442.56	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	465.67	19.22	ND	ND	446.45	NS	NS	NS	NS	NS	NS	NS	NS	
	5/19/2008	465.67	8.05	ND	ND	457.62	**7,840**	**14,300**	**3,790**	**17,100**	43,030	ND(100)	NA	NA	
	10/28/2008	465.67	22.08	ND	ND	443.59	**5,600**	**5,920**	**3,150**	**14,400**	29,070	**33.3**	NA	NA	
	1/13/2009	465.67	21.40	ND	ND	444.27	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	465.67	17.52	ND	ND	448.15	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	465.67	17.40	ND	ND	448.27	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	465.67	17.11	ND	ND	448.56	**6,580**	**6,870**	**1,050**	7,510	22,010	**24.3 J**	NA	NA	
	5/5/2009	465.67	16.89	ND	ND	448.78	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	465.67	16.88	ND	ND	448.79	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	465.67	17.01	ND	ND	448.66	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	465.67	16.45	ND	ND	449.22	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	465.67	16.70	ND	ND	448.97	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	465.67	19.13	ND	ND	446.54	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	465.67	20.12	ND	ND	445.55	**6,720**	**7,650**	**1,270**	7,430	23,070	15.9 J	NA	NA	
	12/9/2009	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-55I	1/22/2010	465.67	15.32	ND	ND	450.35	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	465.67	9.56	ND	ND	456.11	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	465.67	9.74	ND	ND	455.93	**948**	557	37.7	1,310	2,853	4.4	NA	**13,300**	
	4/30/2010	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	465.67	18.41	ND	ND	447.26	**4,270**	**3,420**	172	3,450	11,312	**25.7**	**3,650**	**43,100**	
	7/7/2010	465.67	15.32	ND	ND	450.35	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	465.67	23.51	ND	ND	442.16	**50.2**	67.2	8.7	351	477	ND(5.0)	**17,300**	**7,850**	
	9/16/2010	465.67	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	465.67	23.61	ND	ND	444.06	**2,730**	742	27.1	153	3,652	19.3	**1,640**	**9,170**	
	1/12/2011	465.67	22.23	NM	NM	443.44	**3,990**	**2,980**	**1,740**	7,360	16,070	**25.4**	**42,300**	**46,900**	
	5/9/2011	465.67	16.83	NM	NM	448.84	**7,220**	**3,750**	**1,300**	6,080	18,350	**37**	**4,190**	**54,600**	sheen
	8/2/2011	465.67	19.63	NM	NM	446.04	**3,360**	**1,540**	**1,130**	3,780	9,810	19.2	**2,470**	**49,000**	
	11/14/2011	465.67	13.40	NM	NM	452.27	**3,240**	**1,480**	**1,310**	4,550	10,580	<20	**3,200**	**46,800**	
	2/14/2012	465.67	10.56	NM	NM	455.11	**4,180**	**2,880**	**1,320**	4,860	13,240	19.9	**4,170**	**56,400**	
	5/15/2012	465.67	13.70	13.69	0.01	451.98	NS	NS	NS	NS	NS	NS	NS	NS	
	7/16/2012	465.67	15.72	NM	NM	449.95	**13,600**	**10,300**	**1,130**	6,900	31,930	**77.7**	**9,260**	**95,200**	
	10/8/2012	465.67	12.04	NM	NM	453.63	**12,500**	**9,490**	**1,210**	8,400	31,600	**70.3**	**12,700**	**78,500**	
	2/18/2013	465.67	10.50	NM	NM	455.17	**443**	182	11.9	1,250	1,886.9	<1	**2,650**	**8,350**	
	6/5/2013	465.67	15.92	NM	NM	449.75	**3,530**	**2,510**	70.7	2,830	8,940.7	**25.2**	**3,170**	**18,700**	
	8/7/2013	465.67	19.73	NM	NM	445.94	**4,630**	**3,240**	133	3,240	11,243	**37.6**	**3,280**	**41,100**	
	10/4/2013	465.67	24.43	NM	NM	441.24	**5,010**	**3,230**	260	5,000	13,500	**39.9**	**7,410**	**2,110**	
	3/7/2014	465.67	12.15	NM	NM	453.52	**10,300**	**7,150**	**795**	6,340	24,585	**52.8**	**8,050**	**61,500**	
	6/6/2014	465.67	9.97	NM	NM	455.70	**11,700**	**6,800**	**1,050**	8,180	27,730	**49.1**	**4,090**	**68,900**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-55D	12/14/2006	466.24	20.21	ND	ND	446.03	**181**	170	69.1	281	701	9.6	NA	NA	
	1/3/2007	466.24	18.23	ND	ND	448.01	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	466.24	10.50	ND	ND	455.74	**105**	82.6	52.5	123	363	10.5	NA	NA	
	5/21/2007	466.24	10.55	ND	ND	455.69	NS	NS	NS	NS	NS	NS	NS	NS	
	7/2/2007	466.24	10.45	ND	ND	455.79	NS	NS	NS	NS	NS	NS	NS	NS	
	8/3/2007	466.24	18.85	ND	ND	447.39	NS	NS	NS	NS	NS	NS	NS	NS	
	9/7/2007	466.24	10.62	ND	ND	455.62	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	466.24	23.80	ND	ND	442.44	**40.5**	31.1	17.8	53.7	143.1	7.6	NA	NA	
	10/24/2007	466.24	23.92	ND	ND	442.32	NS	NS	NS	NS	NS	NS	NS	NS	
	12/4/2007	466.24	23.78	ND	ND	442.46	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	466.24	23.30	ND	ND	442.94	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	466.24	21.10	ND	ND	445.14	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	466.24	18.46	ND	ND	447.78	NS	NS	NS	NS	NS	NS	NS	NS	
	5/21/2008	466.24	8.28	ND	ND	457.96	**50.0**	26.4	23.7	49.5	149.6	8.6	NA	NA	Gauged on 5/19/08
	10/28/2008	466.24	19.80	ND	ND	446.44	**88.9**	21.6	19.9	48.3	178.7	8.0	NA	NA	
	1/13/2009	466.24	19.20	ND	ND	447.04	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	466.24	16.00	ND	ND	450.24	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	466.24	15.84	ND	ND	450.40	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	466.24	15.62	ND	ND	450.62	**61.3**	9.5	6.7	32.9	110.4	7.1	NA	NA	
	5/5/2009	466.24	15.47	ND	ND	450.77	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	466.24	15.30	ND	ND	450.94	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	466.24	15.89	ND	ND	450.35	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	466.24	14.61	ND	ND	451.63	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	466.24	14.84	ND	ND	451.40	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	466.24	17.00	ND	ND	449.24	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	466.24	17.53	ND	ND	448.71	**42.7**	6.2	7.3	18.0	74.2	5.2	NA	NA	
	12/9/2009	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MW-55D	1/22/2010	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	466.24	14.93	ND	ND	451.31	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	466.24	8.61	ND	ND	457.63	**48.1**	7.8	21.5	19.9	97.3	7.3	NA	**812**	
	4/30/2010	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	466.24	15.90	ND	ND	450.34	**78.2**	10.9	19.0	28.7	136.8	7.6	**290**	**1,260**	
	7/7/2010	466.24	18.01	ND	ND	448.23	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	466.24	21.00	ND	ND	445.24	**57.6**	7.8	13.2	21.9	100.5	5.5	**202**	**1,060**	
	9/16/2010	466.24	26.51	ND	ND	439.73	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	466.24	19.17	ND	ND	447.07	**67.4**	6.9	8.7	12.0	95.0	6.5	**121**	**535**	
	1/11/2011	466.24	19.24	ND	ND	447.00	**150**	9.29	16.3	9.45	185.04	6.6	**192**	**1,820**	
	5/9/2011	466.24	7.58	ND	ND	458.66	**92.4**	5.03	5.35	12.8	115.58	6.51	**168**	**589**	sheen
	8/2/2011	466.24	17.09	ND	ND	449.15	**142**	6.54	14.7	6.77	170.01	5.23	**134**	**1,520**	
	11/14/2011	466.24	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/14/2012	466.24	9.10	ND	ND	457.14	**127**	4.64	7.02	<3	138.66	5.13	**181**	**947**	low-flow
	5/15/2012	466.24	11.30	ND	ND	454.94	**61.8**	5.65	7.58	23.4	98.43	6.06	**215**	**921**	
	7/16/2012	466.24	13.23	ND	ND	453.01	**94.3**	7.6	13	20.5	135.40	5.73	**301**	**1,050**	
	10/8/2012	466.24	10.60	ND	ND	455.64	**127**	6.52	18	7.66	159.18	5.3	**200**	**1,430**	
	2/18/2013	466.24	8.63	ND	ND	457.61	**26.5**	1.85	<1	5.89	34.24	2.74	**155**	**339**	
	6/5/2013	466.24	13.17	ND	ND	453.07	**16.4**	1.22	1.14	3.5	22.26	3.35	**149**	**255**	
	8/7/2013	466.24	16.33	ND	ND	449.91	**17.9**	1.34	1.98	5.1	26.32	3.18	**283**	**347**	
	10/4/2013	466.24	20.64	ND	ND	445.60	**10.0**	<1	<1	<2	10.00	<1	**188**	**219**	
	3/7/2014	466.24	10.34	ND	ND	455.90	**89.2**	3.44	6.35	<3	98.99	3.56	**172**	**934**	
	6/6/2014	466.24	8.18	ND	ND	458.06	**21.1**	1.03	2.14	<2	24.27	2.88	**137**	**237**	

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Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
RW-52	4/12/2005	459.78	18.52	ND	ND	441.26	**193**	19.6	61.9	71.8	346	**144**	NA	NA	
	7/7/2005	459.78	21.70	ND	ND	438.08	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	459.78	30.45	ND	ND	429.33	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	459.78	33.84	ND	ND	425.94	**127**	18.2	55.8	79.0	280	**37.8**	NA	NA	
	12/20/2005	459.78	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	460.36	35.95	ND	ND	424.41	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	460.36	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	460.36	NM	NM	NM	NM	**169**	31.8	80.2	116	397	**42.0**	NA	NA	
	5/31/2006	460.36	28.65	ND	ND	431.71	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2006	460.94	27.32	ND	ND	433.62	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	460.94	27.13	ND	ND	433.81	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	460.94	26.64	ND	ND	434.30	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	460.94	25.70	ND	ND	435.24	**183**	10.7	26.2	36.4	256	**35.3**	NA	NA	
	11/22/2006	460.94	21.84	ND	ND	439.10	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2006	460.94	25.63	ND	ND	435.31	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	460.94	25.40	ND	ND	435.54	**275**	13.0	10.4	18.8	317	**30.1**	NA	NA	
	12/19/2007	460.94	20.66	ND	ND	440.28	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/19/2008	460.94	NM	NM	NM	NM	**254**	7.1	2.6	13.5	277	**28.7**	NA	NA	
	10/28/2008	460.94	NM	NM	NM	NM	**169**	7.7	3.7	17.8	198	**23.3**	NA	NA	
	1/13/2009	460.94	14.00	ND	ND	446.94	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	460.94	14.00	ND	ND	446.94	**131**	5.9	2.2	15.0	154	18.3	NA	NA	
	5/5/2009	460.94	14.00	ND	ND	446.94	NS	NS	NS	NS	NS	NS	NS	NS	
	6/30/2009	460.94	6.15	ND	ND	454.79	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	460.94	14.36	ND	ND	446.58	NS	NS	NS	NS	NS	NS	NS	NS	

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143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
RW-52	8/10/2009	460.94	11.60	ND	ND	449.34	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	460.94	NM	NM	NM	NM	**21.9**	0.81 J	0.57 J	2.3	25.6 J	0.44 J	NA	NA	
	12/9/2009	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	460.94	12.10	ND	ND	448.84	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	460.94	4.63	ND	ND	456.31	**85.9**	5.1	0.42 J	1.4	92.8 J	8.1	NA	**1,120**	
	4/30/2010	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	460.94	14.08	ND	ND	446.86	ND(1.0)	51.4	ND(1.0)	ND(1.0)	51.4	ND(1.0)	**34,800**	**254**	
	7/7/2010	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	460.94	19.61	ND	ND	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	460.94	19.74	ND	ND	441.20	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	9/16/2010	460.94	20.21	ND	ND	440.73	NS	NS	NS	NS	NS	NS	NS	NS	
	10/8/2010	460.94	19.85	ND	ND	441.09	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/2010	460.94	19.51	ND	ND	441.43	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2010	460.94	18.95	ND	ND	441.99	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	460.94	18.45	ND	ND	442.49	0.83 J	12.2	0.47 J	ND(1.0)	13.5 J	ND(1.0)	**22,100**	**266**	
	12/21/2010	460.94	19.20	ND	ND	441.74	NS	NS	NS	NS	NS	NS	NS	NS	
	1/11/2011	460.94	18.12	ND	ND	442.82	**163 [173]**	6.56 [7.61]	3.21 [3.75]	12.8 [14.5]	185.57 [198.86]	12.2 [13.9]	**361 [308]**	**3,270 [3,240]**	
	5/9/2011	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/2/2011	460.94	15.14	ND	ND	445.80	**175**	9.1	5.07	9.67	198.84	8.03	**270**	**2,820**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
RW-52	11/14/2011	460.94	NM	NM	NM	NM	**190**	8.77	2.12	13.7	214.59	8.02	**384**	**2,870**	
	2/14/2012	460.94	5.52	ND	ND	455.42	**104**	2.18	<1	<3	106.18	5.08	**191**	**1,580**	
	5/15/2012	460.94	8.75	ND	ND	452.19	<1	<1	<1	<3	BRL	<1	<100	<100	
	7/16/2012	460.94	11.22	ND	ND	449.72	**7.29**	<1	<1	<3	7.29	<1	**119**	**520**	
	10/8/2012	460.94	7.25	ND	ND	453.69	**9.24**	<1	<1	<3	9.24	<1	<94.3	**121**	
	2/18/2013	460.94	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	not accessible
	6/5/2013	460.94	11.64	ND	ND	449.30	<1	<1	<1	<3	BRL	BRL	<100	<100	
	8/7/2013	460.94	15.57	ND	ND	445.37	<1	<1	<1	<2	BRL	<1	**106**	<100	
	10/4/2013	460.94	20.44	ND	ND	440.50	<1	<1	<1	<2	BRL	<1	**439**	<100	
	3/7/2014	460.94	7.31	ND	ND	453.63	<1	<1	<1	<3	BRL	<1	<89.3	<100	
	6/6/2014	460.94	4.99	ND	ND	455.95	<1	<1	<1	<2	BRL	<1	<96.2	<100	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
VW-1	4/12/2005	465.07	7.80	ND	ND	457.27	**637**	**1,040**	157	718	2,552	13.0	NA	NA	
	5/3/2005	465.07	4.08	ND	ND	460.99	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	465.07	9.55	ND	ND	455.52	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	465.07	10.03	ND	ND	455.04	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	465.07	11.41	ND	ND	453.66	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	465.07	10.02	ND	ND	455.05	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/20/2005	465.07	11.16	ND	ND	453.91	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	465.07	10.53	ND	ND	454.54	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	465.07	10.34	ND	ND	454.73	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	465.07	10.65	ND	ND	454.42	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	465.07	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2006	465.07	11.31	ND	ND	453.76	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2006	465.07	9.66	ND	ND	455.41	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	465.07	11.26	ND	ND	453.81	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	465.07	11.52	ND	ND	453.55	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	465.07	10.07	ND	ND	455.00	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	465.07	10.75	ND	ND	454.32	**43.3**	1.8	3.3	3.5	51.9	0.46 J	NA	NA	
	11/22/2006	465.07	10.53	ND	ND	454.54	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	465.07	10.20	ND	ND	454.87	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2006	465.07	10.71	ND	ND	454.36	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	465.07	7.28	ND	ND	457.79	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	465.07	7.25	ND	ND	457.82	NS	NS	NS	NS	NS	NS	NS	NS	
	3/22/2007	465.07	10.63	ND	ND	454.44	NS	NS	NS	NS	NS	NS	NS	NS	
	4/25/2007	465.07	7.30	ND	ND	457.77	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	465.07	7.30	ND	ND	457.77	**95.2**	173	35.1	225	528	12.8	NA	NA	
	7/19/2007	465.07	9.21	ND	ND	455.86	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	465.07	11.90	ND	ND	453.17	**465**	97.3	94.2	189	846	33.6	NA	NA	
	10/24/2007	465.07	12.60	ND	ND	452.47	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-1	12/19/2007	465.07	10.13	ND	ND	454.94	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	465.07	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	465.07	8.41	ND	ND	456.66	NS	NS	NS	NS	NS	NS	NS	NS	
	5/19/2008	465.07	4.00	ND	ND	461.07	**637**	49.9	330	573	1,590	**28.3**	NA	NA	
	10/28/2008	465.07	6.00	ND	ND	459.07	0.71 J	0.40 J	0.28 J	0.69 J	2.08 J	0.38 J	NA	NA	
	1/13/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	NSVD	6.16	ND	ND	NSVD	ND(1.0)	ND(1.0)	ND(1.0)	1.6	1.6	ND(1.0)	NA	NA	
	5/5/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	NSVD	9.76	ND	ND	NSVD	**224**	140	109	757	1,230	ND(1.0)	NA	NA	
	12/9/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	NSVD	5.82	ND	ND	NSVD	**52.9**	10.6	7.9	73.2	144.6	0.65 J	NA	**631**	
	4/30/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	NSVD	9.00	ND	ND	NSVD	**1,150**	397	**834**	2,440	4,821	**88.0**	**2,010**	**20,600**	
	9/2/2010	NSVD	9.86	ND	ND	NSVD	**599**	51	254	389	1,293	**47.7**	**1,040**	**6,380**	
	12/8/2010	NSVD	6.80	ND	ND	NSVD	**567**	29	44	56	696	**51.6**	**241**	**2,040**	
	1/13/2011	NSVD	7.74	ND	ND	NSVD	**1,030**	375	**956**	1,570	3,931	**40.8**	**2,310**	**12,600**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-1	5/9/2011	NSVD	4.65	ND	ND	NSVD	**623**	80.1	610	718	2,031	16.5	**1,630**	**5,160**	sheen
	8/2/2011	NSVD	9.31	ND	ND	NSVD	**2,020**	199	**1,490**	2,620	6,329	**86**	**1,930**	**30,600**	
	11/14/2011	NSVD	6.72	ND	ND	NSVD	**921**	69	**850**	1,070	2,910	19.2	**1,900**	**17,600**	
	2/14/2012	NSVD	3.81	ND	ND	NSVD	**551**	36	647	360	1,594	12.3	**1,420**	**9,160**	
	5/15/2012	NSVD	4.29	ND	ND	NSVD	**33.2**	2.77	7.36	14.8	58.13	<1	**233**	**819**	
	7/16/2012	NSVD	6.58	ND	ND	NSVD	**100**	127	141	302	670.00	<1	**1,240**	**5,330**	
	10/8/2012	NSVD	4.23	ND	ND	NSVD	**16.1 [14.4]**	4.83 [4.76]	30.8 [29.6]	55.3 [56.5]	107.0 [105.3]	<1 [<1]	**172 [338]**	**1,650 [1,600]**	
	2/18/2013	NSVD	3.58	ND	ND	NSVD	**2.31**	<1	<1	<3	2	<1	**260**	**<100**	
	6/5/2013	NSVD	7.08	ND	ND	NSVD	**44**	39.7	6.2	78	167.9	<1	**1,750**	**612**	
	8/7/2013	NSVD	7.58	ND	ND	NSVD	**90.6**	38.6	268	707	1,104.2	<1	**878 B**	**10,300**	
	10/4/2013	NSVD	10.23	ND	ND	NSVD	**140**	15.7	106	138	399.7	<1	**2,250**	**4,230**	
	3/7/2014	NSVD	4.43	ND	ND	NSVD	**68.2**	9.22	80.7	21.4	179.5	<1	**685**	**1,270**	
	6/6/2014	NSVD	3.95	ND	ND	NSVD	**42.9**	2.48	31.1	7.36	83.8	<1	**224**	**720**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-2	4/12/2005	465.88	3.05	ND	ND	462.83	ND(5.0)	ND(5.0)	ND(5.0)	2.5 J	2.5 J	**5,760**	NA	NA	
	5/3/2005	465.88	3.10	ND	ND	462.78	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	465.88	3.42	ND	ND	462.46	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	465.88	3.67	ND	ND	462.21	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	465.88	6.00	ND	ND	459.88	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	465.88	3.01	ND	ND	462.87	ND(1.0)	3.7	0.59 J	3.1	7.4 J	4.1	NA	NA	
	12/20/2005	465.88	3.12	ND	ND	462.76	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	465.88	3.10	ND	ND	462.78	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	465.88	3.10	ND	ND	462.78	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	465.88	3.35	ND	ND	462.53	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	465.88	3.57	ND	ND	462.31	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	6.5	NA	NA	
	5/31/2006	465.88	3.53	ND	ND	462.35	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2006	465.88	3.30	ND	ND	462.58	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	465.88	11.40	ND	ND	454.48	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	465.88	3.48	ND	ND	462.40	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	465.88	3.29	ND	ND	462.59	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	465.88	3.35	ND	ND	462.53	ND(1.0)	ND(1.0)	ND(1.0)	0.35 J	0.35 J	4.8	NA	NA	
	11/22/2006	465.88	3.08	ND	ND	462.80	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	465.88	3.05	ND	ND	462.83	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	465.88	2.65	ND	ND	463.23	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	7/19/2007	465.88	3.30	ND	ND	462.58	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2007	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	465.88	3.12	ND	ND	462.76	NS	NS	NS	NS	NS	NS	NS	NS	
	1/21/2008	465.88	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	465.88	2.92	ND	ND	462.96	NS	NS	NS	NS	NS	NS	NS	NS	

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Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-2	5/19/2008	465.88	3.27	ND	ND	462.61	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.4	NA	NA	
	10/28/2008	465.88	6.80	ND	ND	459.08	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.4	NA	NA	
	1/13/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	NSVD	2.87	ND	ND	NSVD	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.96 J	NA	NA	
	5/5/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	NSVD	3.67	ND	ND	NSVD	2.1	3.8	ND(1.0)	1.7	7.6	2.1	NA	NA	
	12/9/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	NSVD	2.69	ND	ND	NSVD	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.0	NA	ND(200)	
	4/30/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	NSVD	3.25	ND	ND	NSVD	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.55 J	**272**	**244**	
	9/2/2010	NSVD	6.78	ND	ND	NSVD	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.3	ND(100)	ND(200)	
	12/8/2010	NSVD	3.02	ND	ND	NSVD	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.89 J	**147**	ND(200)	
	1/13/2011	NSVD	3.50	ND	ND	NSVD	**10.7**	29.4	7.79	32.7	80.59	1.0	**128**	**226**	
	5/9/2011	NSVD	2.85	ND	ND	NSVD	<1	<1	<1	<3	BRL	<1	**146**	**114**	
	8/2/2011	NSVD	9.07	ND	ND	NSVD	1.05	2.29	<1	<3	3.34	1.5	**669**	**227**	
	11/14/2011	NSVD	2.55	ND	ND	NSVD	1.97	3.78	<1	<3	5.75	<1	**109**	**251**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-2	2/14/2012	NSVD	2.61	ND	ND	NSVD	3.33	9.53	2.86	13.2	28.92	<1	<95.2	**164**	
	5/15/2012	NSVD	2.93	ND	ND	NSVD	<1	<1	2	<3	2	<1	**118**	**348**	
	7/16/2012	NSVD	3.28	ND	ND	NSVD	<1	<1	<1	<3	0	<1	**305**	**369**	
	10/8/2012	NSVD	2.13	ND	ND	NSVD	<1	<1	<1	<3	BRL	<1	**119**	**190**	
	2/18/2013	NSVD	2.78	ND	ND	NSVD	<1	<1	<1	<3	BRL	2.79	**166**	<100	
	6/5/2013	NSVD	3.26	ND	ND	NSVD	<1	<1	1.59	<3	1.59	<1	**115**	**191**	
	8/7/2013	NSVD	3.91	ND	ND	NSVD	<1	<1	<1	<2	BRL	<1	**254**	**444**	
	10/4/2013	NSVD	12.59	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	Not enough volume to sample
	3/7/2014	NSVD	2.68	ND	ND	NSVD	<1	<1	<1	<3	BRL	<1	**167**	**297**	
	6/6/2014	NSVD	2.64	ND	ND	NSVD	<1	<1	<1	<2	BRL	<1	**116**	**247**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-3	4/12/2005	464.65	7.10	ND	ND	457.55	2.7	5.9	1.5	6.2	16.3	**30.3**	NA	NA	
	5/3/2005	464.65	5.89	ND	ND	458.76	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	464.65	8.55	ND	ND	456.10	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	464.65	10.85	ND	ND	453.80	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	464.65	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	464.65	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/20/2005	464.65	10.40	ND	ND	454.25	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	464.65	10.49	ND	ND	454.16	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	464.65	10.31	ND	ND	454.34	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	464.65	10.63	ND	ND	454.02	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	464.65	11.03	ND	ND	453.62	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.64 J	NA	NA	
	5/31/2006	464.65	11.30	ND	ND	453.35	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2006	464.65	10.35	ND	ND	454.30	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	464.65	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	464.65	11.00	ND	ND	453.65	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	464.65	10.77	ND	ND	453.88	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	464.65	10.77	ND	ND	453.88	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	11/22/2006	464.65	10.23	ND	ND	454.42	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	464.65	10.35	ND	ND	454.30	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	464.65	7.15	ND	ND	457.50	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	464.65	7.04	ND	ND	457.61	NS	NS	NS	NS	NS	NS	NS	NS	
	3/22/2007	464.65	10.82	ND	ND	453.83	NS	NS	NS	NS	NS	NS	NS	NS	
	4/25/2007	464.65	6.70	ND	ND	457.95	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	464.65	6.70	ND	ND	457.95	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	7/19/2007	464.65	8.58	ND	ND	456.07	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	464.65	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2007	464.65	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	464.65	10.57	ND	ND	454.08	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-3	1/21/2008	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/19/2008	464.65	7.98	ND	ND	456.67	NS	NS	NS	NS	NS	NS	NS	NS	
	5/19/2008	464.65	2.52	ND	ND	462.13	**88.3**	4.4	2.5	1.1	96.3	**20.9**	NA	NA	
	10/28/2008	464.65	6.83	ND	ND	457.82	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	1/13/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/16/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	4/23/2009	464.65	5.12	ND	ND	459.53	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	5/5/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/1/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	7/9/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	8/10/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/1/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	10/12/2009	464.65	8.89	ND	ND	455.76	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	12/9/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	464.65	5.23	ND	ND	459.42	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	ND(200)	
	4/30/2010	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	464.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	464.65	8.08	ND	ND	456.57	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	**269**	ND(200)	
	9/2/2010	464.65	9.05	ND	ND	455.60	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	**144**	ND(200)	
	12/8/2010	464.65	5.33	ND	ND	459.32	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(100)	ND(200)	
	1/12/2011	464.65	6.71	ND	ND	457.94	<1	2.31	2.03	9.37	13.71	<1	**129**	<100	
	5/9/2011	464.65	4.31	ND	ND	460.34	<1	<1	<1	<3	BRL	<1	**1,050**	<100	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-3	8/2/2011	464.65	8.40	ND	ND	456.25	<1	<1	<1	<3	BRL	<1	<98	<100	
	11/14/2011	464.65	6.20	ND	ND	458.45	<1	<1	<1	<3	BRL	<1	**109**	<100	
	2/14/2012	464.65	2.87	ND	ND	461.78	NS	NS	NS	NS	NS	NS	NS	NS	insufficent volume for sample
	5/15/2012	464.65	3.42	ND	ND	461.23	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL	<1 [<1]	**545 [555]**	<100 [<100]	
	7/16/2012	464.65	5.79	ND	ND	458.86	<1	<1	<1	<3	0	<1	**523**	<100	
	10/8/2012	464.65	3.52	ND	ND	461.13	<1	<1	<1	<3	BRL	<1	**395**	<100	
	2/18/2013	464.65	2.82	ND	ND	461.83	<1	<1	<1	<3	BRL	<1	**448**	<100	
	6/5/2013	464.65	6.76	ND	ND	457.89	<1	<1	<1	<3	BRL	<1	**1,220**	<100	
	8/7/2013	464.65	6.93	ND	ND	457.72	<1	<1	<1	<2	BRL	<1	**432 B**	<100	
	10/4/2013	464.65	9.71	ND	ND	454.94	<1	<1	<1	<2	BRL	<1	**576**	<100	
	3/7/2014	464.65	3.72	ND	ND	460.93	<1	<1	<1	<3	BRL	<1	**327**	<100	
	6/6/2014	464.65	3.10	ND	ND	461.55	<1	<1	<1	<2	BRL	<1	**466**	<100	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
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Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-4	4/12/2005	465.88	8.06	ND	ND	457.82	2.3	ND(1.0)	ND(1.0)	ND(1.0)	2.3	3.9	NA	NA	
	5/3/2005	465.88	7.96	ND	ND	457.92	NS	NS	NS	NS	NS	NS	NS	NS	
	6/21/2005	465.88	9.69	ND	ND	456.19	NS	NS	NS	NS	NS	NS	NS	NS	
	7/7/2005	465.88	11.85	ND	ND	454.03	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2005	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/20/2005	465.88	11.62	ND	ND	454.26	NS	NS	NS	NS	NS	NS	NS	NS	
	1/9/2006	465.88	12.11	ND	ND	453.77	NS	NS	NS	NS	NS	NS	NS	NS	
	2/10/2006	465.88	11.96	ND	ND	453.92	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2006	465.88	12.53	ND	ND	453.35	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2006	465.88	12.90	ND	ND	452.98	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2006	465.88	12.15	ND	ND	453.73	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2006	465.88	12.70	ND	ND	453.18	NS	NS	NS	NS	NS	NS	NS	NS	
	9/28/2006	465.88	12.43	ND	ND	453.45	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2006	465.88	12.05	ND	ND	453.83	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2006	465.88	11.91	ND	ND	453.97	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	465.88	12.05	ND	ND	453.83	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2006	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/19/2007	465.88	8.01	ND	ND	457.87	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2007	465.88	7.97	ND	ND	457.91	NS	NS	NS	NS	NS	NS	NS	NS	
	3/22/2007	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	7/19/2007	465.88	9.51	ND	ND	456.37	NS	NS	NS	NS	NS	NS	NS	NS	
	10/11/2007	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2007	465.88	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/19/2007	465.88	10.57	ND	ND	455.31	NS	NS	NS	NS	NS	NS	NS	NS	Well destroyed

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Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
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		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
VW-5	4/12/2005	466.31	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well destroyed
VW-6	4/12/2005	466.53	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/26/2005	466.53	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	466.53	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	466.53	9.27	ND	ND	457.26	**22.3**	8.2	3.2	17.2	50.9	ND(1.0)	NA	NA	
	12/14/2006	466.53	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	466.53	7.50	ND	ND	459.03	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/11/2007	466.53	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	10/24/2007	466.53	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well destroyed
VW-7	4/12/2005	466.53	9.39	ND	ND	457.17	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/26/2005	466.56	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/20/2006	466.56	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2006	466.56	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	11/7/2006	466.56	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2006	466.56	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	4/26/2007	466.56	8.35	ND	ND	458.21	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	
	10/11/2007	466.56	9.76	ND	ND	456.80	**165**	10.1	54.4	134	364	ND(1.0)	NA	NA	
	12/19/2007	466.56	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well destroyed

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
DPE-1	11/11/2009	NSVD	13.43	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2009	NSVD	14.29	ND	ND	NSVD	**4,190**	**15,500**	**1,170**	8,150	29,010	**241**	NA	NA	
	12/9/2009	468.37	13.15	ND	ND	455.22	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	468.37	10.10	ND	ND	458.27	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	468.37	14	ND	ND	454.37	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	468.37	8.6	ND	ND	459.77	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	468.37	8.52	ND	ND	459.85	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	468.37	6.80	ND	ND	461.57	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	468.37	8.04	ND	ND	460.33	**33.4**	340	307	699	1,379	3.3	NA	**5,970**	
	4/30/2010	468.37	14.00	ND	ND	454.37	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	468.37	13.7	ND	ND	454.67	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	468.37	17.70	ND	ND	450.67	**2,360**	**14,300**	**5,920**	**26,900**	49,480	**490**	**31,500**	**135,000**	
	7/7/2010	468.37	17.22	ND	ND	451.15	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	468.37	22.00	ND	ND	446.37	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	468.37	22.51	22.5	0.01	445.87	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	468.37	21.79	ND	ND	446.58	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	468.37	22.11	ND	ND	446.26	**6,950**	**16,200**	**1,940**	9,730	34,820	**405**	**7,950**	**104,000**	
	9/16/2010	468.37	22.70	ND	ND	445.67	NS	NS	NS	NS	NS	NS	NS	NS	
	10/8/2010	468.37	22.52	ND	ND	445.85	NS	NS	NS	NS	NS	NS	NS	NS	
	10/20/2010	468.37	19.61	ND	ND	448.76	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/2010	468.37	22.78	ND	ND	445.59	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2010	468.37	22.02	ND	ND	446.35	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	468.37	18.13	ND	ND	450.24	**6,890**	**16,500**	**1,120**	5,290	26,800	**478**	**3,320**	**70,000**	
	12/21/2010	468.37	18.23	ND	ND	450.14	NS	NS	NS	NS	NS	NS	NS	NS	
	1/13/2011	468.37	18.61	ND	ND	449.76	**6,050**	**15,600**	**2,060**	**11,000**	34,710	**372**	**4,770**	**78,000**	
	5/9/2011	468.37	9.41	ND	ND	458.96	**4,240**	**11,000**	**1,970**	8,720	25,930	**216**	**3,780**	**67,200**	
	8/2/2011	468.37	18.14	ND	ND	450.23	**5,630**	**14,300**	**1,830**	9,960	31,720	**263**	**2,880**	**115,000**	
	11/14/2011	468.37	12.26	ND	ND	456.11	**6,150**	**12,600**	**2,410**	**11,600**	32,760	**254**	**3,890**	**89,400**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
DPE-1	2/14/2012	468.37	8.53	ND	ND	459.84	**4,880**	**7,480**	**1,980**	**11,000**	25,340	**162**	**3,790**	**74,300**	
	5/15/2012	468.37	8.66	ND	ND	459.71	NS	NS	NS	NS	NS	NS	NS	NS	
	7/16/2012	468.37	8.11	ND	ND	460.26	**1,870**	**3,760**	**1,510**	7,920	15,060	19.2	**3,790**	**45,800**	
	10/11/2012	468.37	8.51	ND	ND	459.86	**1,120**	**1,600**	**1,250**	4,880	8,850	4.13	**4,220**	**37,900**	
	2/18/2013	468.37	7.28	ND	ND	461.09	**2,060**	**2,600**	**2,280**	8,550	15,490	20	**3,180**	**46,300**	
	6/5/2013	468.37	9.49	ND	ND	458.88	**1,180 [1,220]**	**2,280 [2,480]**	**1,670 [1,860]**	6,980 [7,580]	12,1100 [13,140]	10.6 [10.9]	**3,700 [3,380]**	**31,000 [29,200]**	
	8/7/2013	468.37	9.49	15.99	ND	458.88	**1,260 [1,280]**	**2,780 [2,890]**	**1,290 [1,330]**	5,370 [5,590]	10,700 [11,090]	<1 [<1]	**3,920 B [3,840]**	**46,400 [45,300]**	
	10/4/2013	468.37	21.60	15.99	ND	446.77	**1,480 [1,480]**	976 [976]	**1,540 [1,520]**	6,120 [6,090]	10,116 [10,066]	<1 [<1]	**3,740 [4,790]**	**46,400 [44,400]**	
	3/7/2014	468.37	9.47	15.99	ND	458.90	**1,270 [1,220]**	**1,310 [1,300]**	**1,910 [1,980]**	6,060 [6,320]	10,550 [10,820]	**25.1 [24.6]**	**4,340 [4,310]**	**36,100 [38,100]**	
	6/6/2014	468.37	8.52	15.99	ND	459.85	**1,760 [1,720]**	**1,740 [1,700]**	**2,400 [2,610]**	8,630 [9,070]	14,530 [15,100]	**22.6 [24.7]**	**4,960 [3,980]**	**48,000 [46,600]**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)** *5*	**Toluene (µg/L)** *1,000*	**Ethyl-benzene (µg/L)** *700*	**Total Xylenes (µg/L)** *10,000*	**Total BTEX (µg/L)** *--*	**MTBE (µg/L)** *20*	**TPH-DRO (µg/L)** *47*	**TPH-GRO (µg/L)** *47*	**Comments**
MP-1	11/30/2009	NSVD	6.50	ND	ND	NSVD	**35.7**	210	140	452	838	2.8	NA	NA	
	12/9/2009	468.51	7.22	ND	ND	461.29	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	468.51	7.74	ND	ND	460.77	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	468.51	6.27	ND	ND	462.24	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	468.51	9.35	ND	ND	459.16	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	468.51	8.87	ND	ND	459.64	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	468.51	8.40	ND	ND	460.11	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	468.51	9.65	ND	ND	458.86	**1,050**	**1,960**	436	4,050	7,496	**82.6**	NA	**23,700**	
	4/30/2010	468.51	16.29	ND	ND	452.22	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	468.51	14.30	ND	ND	454.21	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	468.51	15.58	ND	ND	452.93	**2,950**	**5,190**	628	3,470	12,238	**327**	**2,380**	**50,000**	
	7/7/2010	468.51	15.40	ND	ND	453.11	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	468.51	22.85	ND	ND	445.66	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	468.51	15.22	ND	ND	453.29	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	468.51	20.05	ND	ND	448.46	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	468.51	20.75	ND	ND	447.76	**684**	231	168	576	1,659	**228**	**3,080**	**15,600**	
	9/16/2010	468.51	21.65	ND	ND	446.86	NS	NS	NS	NS	NS	NS	NS	NS	
	10/8/2010	468.51	21.47	ND	ND	447.04	NS	NS	NS	NS	NS	NS	NS	NS	
	10/20/2010	468.51	23.01	ND	ND	445.50	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/2010	468.51	21.41	ND	ND	447.10	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2010	468.51	18.44	ND	ND	450.07	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	468.51	14.93	ND	ND	453.58	**3,780**	**7,830**	491	3,400	15,501	**405**	**4,270**	**42,600**	
	12/21/2010	468.51	17.31	ND	ND	451.20	NS	NS	NS	NS	NS	NS	NS	NS	
	1/13/2011	468.51	13.66	ND	ND	454.85	**5,940**	**11,200**	**929**	5,790	23,859	**443**	**3,080**	**57,300**	
	5/9/2011	468.51	7.21	ND	ND	461.30	**4,240**	**7,550**	**1,120**	4,960	17,870	**188**	**2,190**	**39,100**	
	8/2/2011	468.51	15.10	ND	ND	453.41	**7,580**	**13,400**	**1,490**	7,390	29,860	**329**	**1,710**	**101,000**	
	11/21/2011	468.51	NM	NM	NM	NM	**9,500 [9,240]**	**18,100 [18,100]**	**2,420 [2,350]**	**10,200 [10,100]**	40,220 [39,790]	**304 [298]**	**3,720 [3,080]**	**104,000 [101,000]**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MP-1	2/14/2012	468.51	9.20	ND	ND	459.31	**6,920**	**15,200**	**2,570**	**10,600**	35,290	**212**	**3,830**	**98,300**	
	5/15/2012	468.51	2.29	ND	ND	466.22	<1	4.8	3.29	9.2	17.29	<1	**461**	**562**	
	7/16/2012	468.51	2.60	ND	ND	465.91	1.64	8.97	4.82	22.7	38.13	<1	**874**	**547**	
	10/11/2012	468.51	2.85	ND	ND	465.66	<1	<1	2.16	6.85	9.01	<1	<94.3	**262**	
	2/18/2013	468.51	5.82	ND	ND	462.69	1.84	2.9	40.5	25.1	70.34	<1	**320**	**1,090**	
	6/5/2013	468.51	7.95	ND	ND	460.56	<1	<1	1.81	NA	1.81	<1	**380**	**624**	
	8/7/2013	468.51	13.83	ND	ND	454.68	**197**	55.9	115	322	689.9	12.4	**950 B**	**5,810**	
	10/4/2013	468.51	20.64	ND	ND	447.87	**1,020**	124	200	737	2,081.0	**32.3**	**1,700**	**10,900**	
	3/7/2014	468.51	9.50	ND	ND	459.01	**3,030**	**2,100**	**1,070**	3,300	9,500	**72.1**	**2,770**	**25,800**	
	6/6/2014	468.51	7.82	ND	ND	460.69	**113**	133	619	740	1,605	4.81	**846**	**11,200**	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MP-2	11/11/2009	NSVD	19.50	18.30	1.20	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	
	11/19/2009	NSVD	18.10	16.80	1.30	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2009	NSVD	16.74	ND	ND	NSVD	**4,040**	**18,000**	**3,010**	**15,200**	40,250	**535**	NA	NA	
	12/9/2009	468.20	14.20	ND	ND	454.00	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	468.20	12.08	ND	ND	456.12	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	468.20	16.00	ND	ND	452.20	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	468.20	12.15	ND	ND	456.05	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	468.20	11.85	ND	ND	456.35	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	468.20	9.50	ND	ND	458.70	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	468.20	11.25	ND	ND	456.95	**434**	**2,200**	**2,140**	9,150	13,924	**116**	**NA**	**45,300**	
	4/30/2010	468.20	13.15	ND	ND	455.05	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	468.20	16.90	ND	ND	451.30	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	468.20	18.23	ND	ND	449.97	**4,810**	**16,700**	**2,220**	10,000	33,730	**232**	**2,850**	**116,000**	
	7/7/2010	468.20	17.93	ND	ND	450.27	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	468.20	23.00	21.85	1.15	446.07	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	468.20	23.72	22.60	1.12	445.33	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	468.20	23.10	21.98	1.12	445.95	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	468.20	22.46	22.30	0.16	445.86	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2010	468.20	22.99	22.80	0.19	445.35	NS	NS	NS	NS	NS	NS	NS	NS	
	10/8/2010	468.20	22.04	22.01	0.03	446.18	NS	NS	NS	NS	NS	NS	NS	NS	
	10/20/2010	468.20	21.73	21.70	0.03	446.49	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/2010	468.20	22.07	21.97	0.10	446.21	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2010	468.20	21.43	21.41	0.02	446.79	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	468.20	20.41	20.36	0.05	447.83	NS	NS	NS	NS	NS	NS	NS	NS	
	12/21/2010	468.20	20.57	20.54	0.03	447.65	NS	NS	NS	NS	NS	NS	NS	NS	
	1/13/2011	468.20	20.89	ND	ND	447.31	**2,520**	**9,240**	**2,200**	**17,000**	30,960	**425**	**20,200**	**69,200**	
	5/9/2011	468.20	10.03	ND	ND	458.17	**887**	**3,650**	**1,830**	8,900	15,267	**159**	**9,210**	**46,800**	
	8/2/2011	468.20	18.76	18.75	0.01	449.44	NS	NS	NS	NS	NS	NS	NS	NS	
	11/21/2011	468.20	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MP-2	2/14/2012	468.20	11.03	ND	ND	457.17	**1,830**	**3,980**	**1,980**	**10,100**	17,890	**142**	**3,910**	**60,300**	
	5/15/2012	468.20	12.93	ND	ND	455.27	**566**	**1,370**	**1,010**	4,240	7186	**34.8**	**8,630**	**35,000**	
	7/16/2012	468.20	15.37	ND	ND	452.83	**1,040**	**3,000**	**1,180**	4,780	10000	**51.7**	**20,100**	**47,400**	
	10/11/2012	468.20	11.43	ND	ND	456.77	**86.5**	160	133	436	815.5	1.87	**1,500**	**10,800**	
	2/18/2013	468.20	8.82	ND	ND	459.38	**48.3**	99.1	153	525	825.4	1.15	**1,450**	**3,970**	
	6/5/2013	468.20	13.58	ND	ND	454.62	**390**	704	**773**	2,840	4,707	7.12	**1,990**	**11,900**	
	8/7/2013	468.20	16.92	ND	ND	451.28	**320**	**1,980**	**3,220**	4,460	9,980	<1	**28,100**	**48,600**	
	10/4/2013	468.20	21.82	ND	ND	446.38	**1,350**	983	**1,360**	4,880	8,573.0	**79.4**	**78,600**	**60,000**	
	3/7/2014	468.20	11.13	ND	ND	457.07	**87.2**	188	377	1,090	1,742.2	2.10	**3,610**	**9,770**	
	6/6/2014	468.20	7.85	ND	ND	460.35	<1	1.99	17.7	37.0	56.7	<1	**351**	**3,690**	

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Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MP-3	11/30/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	Well inaccessible
	12/9/2009	468.62	16.75	ND	ND	451.87	NS	NS	NS	NS	NS	NS	NS	NS	
	12/30/2009	468.62	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	
	1/22/2010	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	2/4/2010	468.62	13.00	ND	ND	455.62	NS	NS	NS	NS	NS	NS	NS	NS	
	2/16/2010	468.62	12.00	ND	ND	456.62	NS	NS	NS	NS	NS	NS	NS	NS	
	3/23/2010	468.62	10.00	ND	ND	458.62	NS	NS	NS	NS	NS	NS	NS	NS	
	3/31/2010	468.62	11.35	ND	ND	457.27	**435**	223	350	975	1,983	**64.5**	NA	**8,580**	
	4/30/2010	468.62	14.36	ND	ND	454.26	NS	NS	NS	NS	NS	NS	NS	NS	
	5/16/2010	468.62	14.80	ND	ND	453.82	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2010	468.62	6.00	ND	ND	462.62	**489**	221	472	549	1,731	**69.6**	**1,110**	**11,400**	
	7/7/2010	468.62	6.89	ND	ND	461.73	NS	NS	NS	NS	NS	NS	NS	NS	
	7/30/2010	468.62	22.10	ND	ND	446.52	NS	NS	NS	NS	NS	NS	NS	NS	
	8/13/2010	468.62	22.80	ND	ND	445.82	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2010	468.62	22.80	ND	ND	445.82	NS	NS	NS	NS	NS	NS	NS	NS	
	9/2/2010	468.62	22.95	ND	ND	445.67	NS	NS	NS	NS	NS	NS	NS	NS	
	9/16/2010	468.62	22.98	ND	ND	445.64	NS	NS	NS	NS	NS	NS	NS	NS	
	10/8/2010	468.62	22.23	ND	ND	446.39	NS	NS	NS	NS	NS	NS	NS	NS	
	10/20/2010	468.62	21.23	ND	ND	447.39	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/2010	468.62	19.20	ND	ND	449.42	NS	NS	NS	NS	NS	NS	NS	NS	
	11/22/2010	468.62	23.10	ND	ND	445.52	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2010	468.62	23.81	ND	ND	444.81	**454**	323	**749**	1,800	3,326	**72.7**	NA	**26,000**	
	12/21/2010	468.62	23.75	ND	ND	444.87	NS	NS	NS	NS	NS	NS	NS	NS	
	1/13/2011	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	
	5/9/2011	468.62	10.46	NM	NM	458.16	**543**	427	**1,200**	4,710	6,880	**47.9**	**3,170**	**22,400**	
	8/2/2011	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	obstruction
	11/14/2011	468.62	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	well dry

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

		Gauging Data					Analytical 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)**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethyl-benzene (µg/L)**	**Total Xylenes (µg/L)**	**Total BTEX (µg/L)**	**MTBE (µg/L)**	**TPH-DRO (µg/L)**	**TPH-GRO (µg/L)**	**Comments**
							5	*1,000*	*700*	*10,000*	*--*	*20*	*47*	*47*	
MP-3	2/14/2012	468.62	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	well dry
	5/15/2012	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	obstruction
	7/16/2012	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	obstruction
	10/11/2012	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	obstruction
	2/18/2013	468.62	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	well dry
	6/5/2013	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	obstruction
	8/7/2013	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	obstruction
	10/4/2013	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	obstruction
	3/7/2014	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	obstruction
	6/6/2014	468.62	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	obstruction

Table 1
Groundwater Monitoring and Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

Notes:

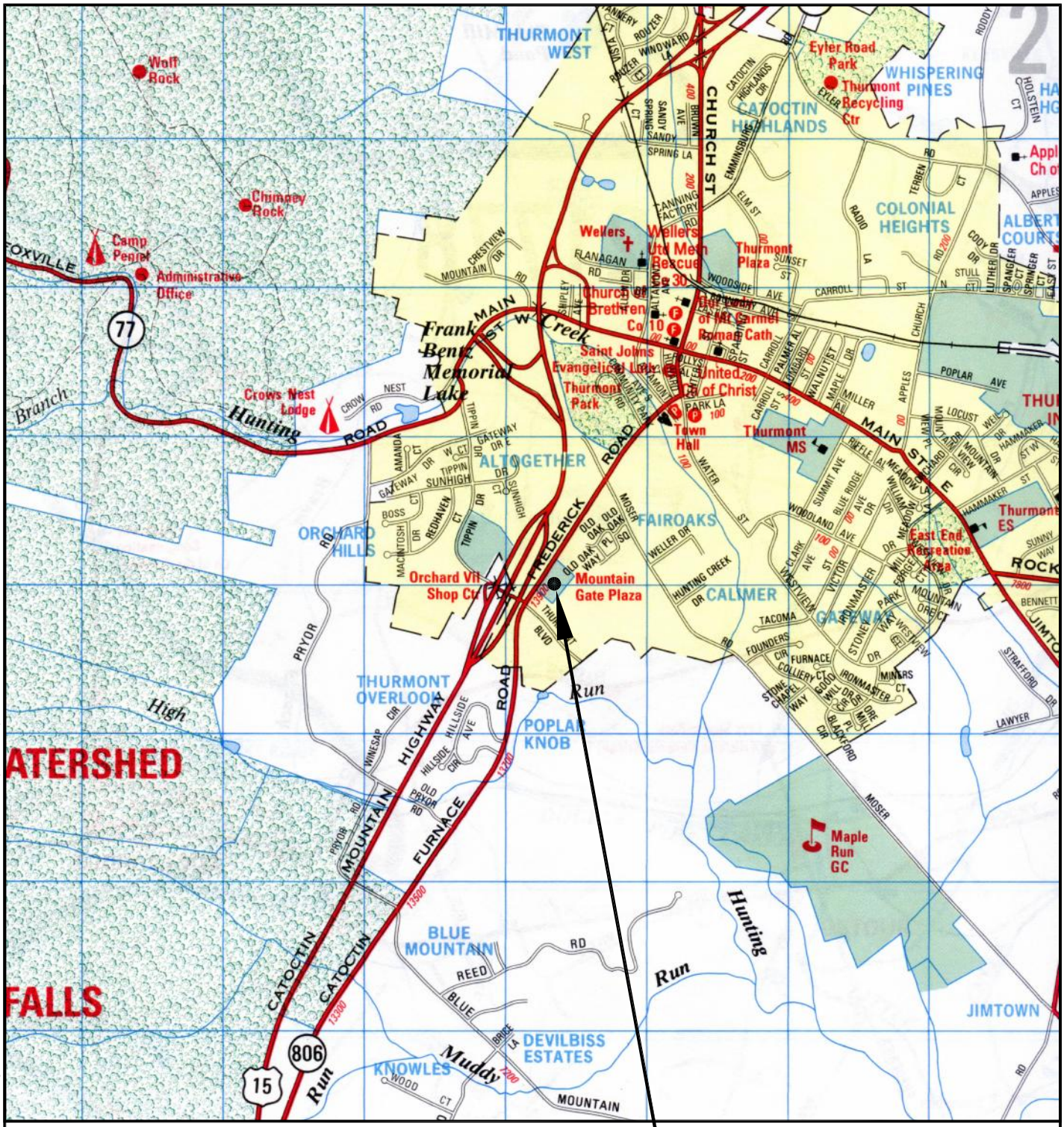
µg/L - micrograms/liter
italic values - MDE Groundwater Clean-Up Standards
0.65 [1.63] - results from duplicate sample listed in brackets
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethyl benzene, and total xylenes
DRO - Diesel Range Organics
GRO - Gasoline Range Organics
GW - Groundwater
J - Indicates an estimated value
mg/L - milligram per liter
MDE - Maryland Department of the Environment
MTBE - Methyl Tert Butyl Ether
NA - Not analyzed
ND - Not detected
ND(5.0) - 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
TPH - Total Petroleum Hydrocarbons

Table 2
Vapor Intrusion Analytical Data
Former Exxon Station #25553
143 Frederick Road
Thurmont, Maryland

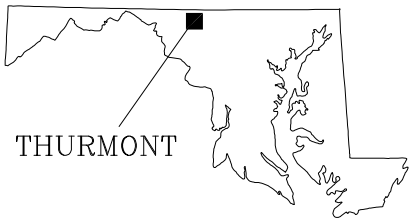
Sample ID	Date	MEK (µg/m³)	Dichloro-difluoromethane (µg/m³)	Toluene (µg/m³)	Trichloro-fluoromethane (µg/m³)	1,2,4-Trimethylbenzene (µg/m³)	m,p-Xylene (µg/m³)	o-Xylene (µg/m³)	Comments
		66,667	*1,467*	*73,333*	*10,333*	*103*	*1,467*	*1,467*	
VP-1	7/17/2014	19	27	41	39	9.7	24	<8.7	
VP-2	7/17/2014	<15	<25	35	11	11	31	11	

Notes:
µg/L - micrograms per cubic meter
italic values - industrial sub-slab RSL = industrial indoor air RSL ÷ 0.03; where 0.03 is the attenuation factor (USEPA Attenuation Factor Database, 2012)
U.S. Environmental Protection Agency Regional Screening Level (RSL) for industrial indoor air (May 2013) at a cancer risk of 1 x 10-6 or noncancer hazard of 0.1
boldface values exceed lowest screening level

Figures



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



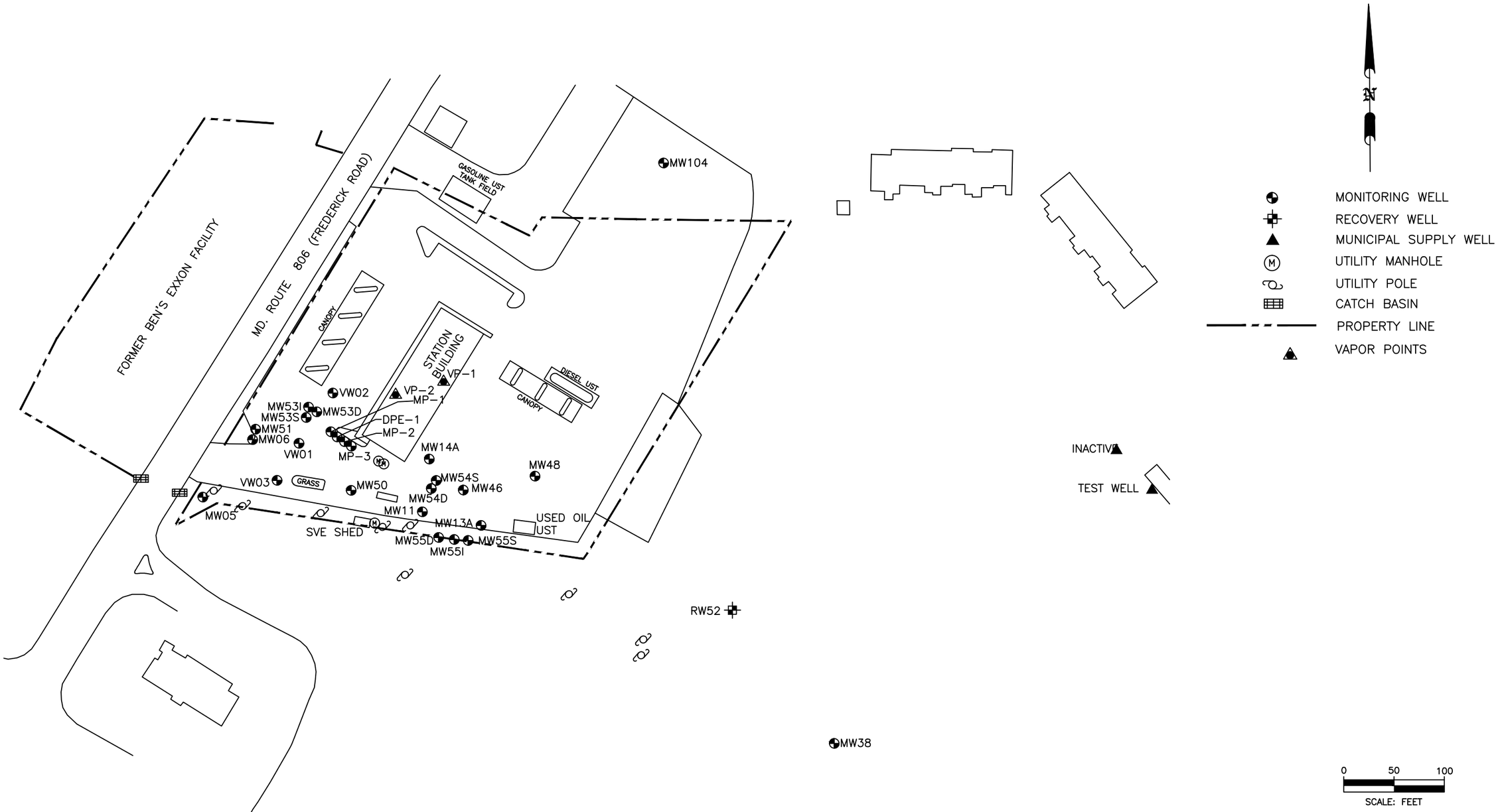
FORMER EXXON FACILITY # 25553
143 FREDERICK RD
THURMONT, MD.

LOCAL AREA MAP

ARCADIS

FIGURE
1

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BALTIMORE\ACT\B0085851\0014\00002\143 Frederick RD-Site-Loc.dwg LAYOUT: 1 SAVED: 4/15/2011 10:11 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 4/29/2011 12:39 PM BY: GOFORTH, JOHN



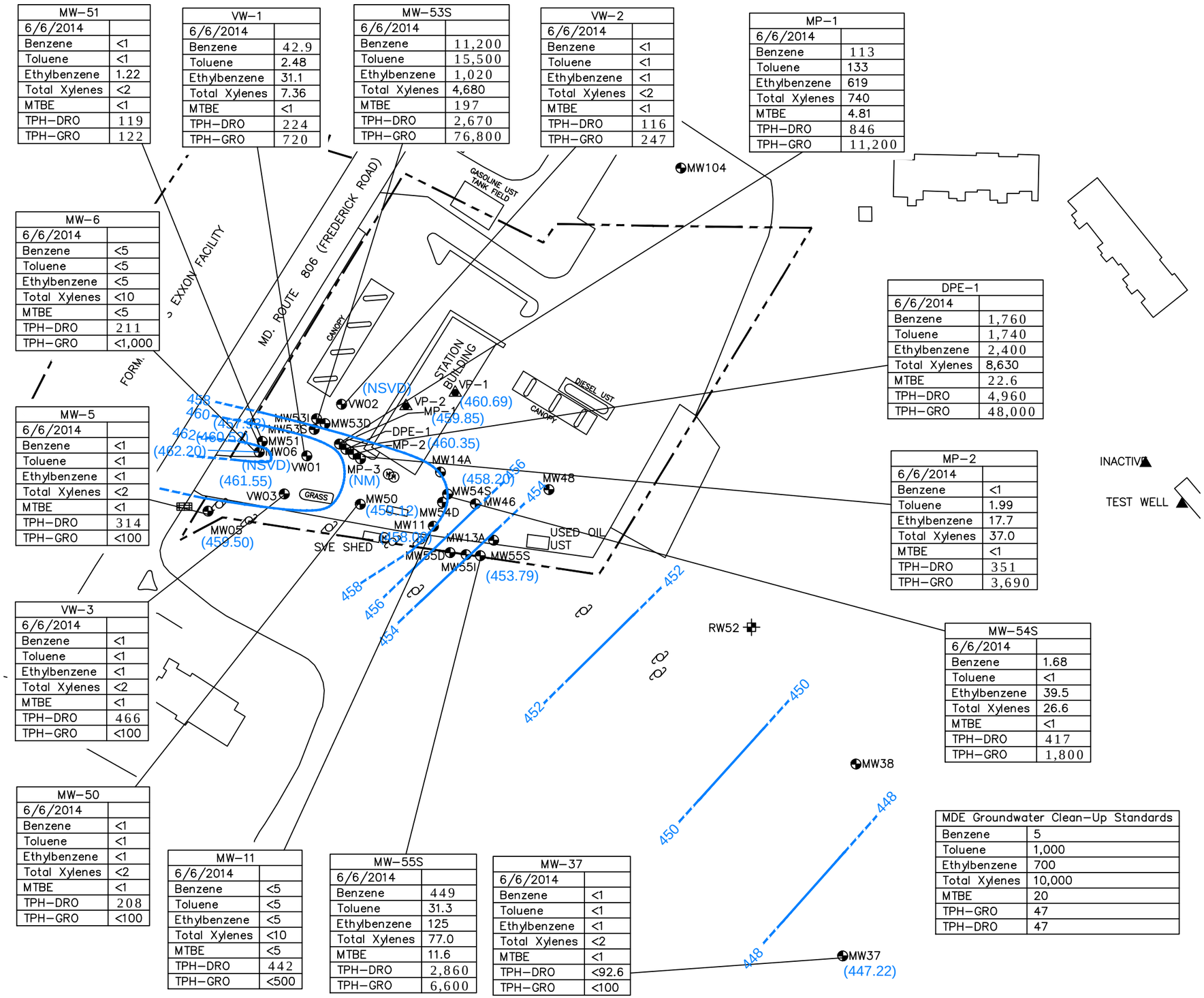
FORMER EXXON FACILITY # 25553
143 FREDERICK RD
THURMONT, MD.

SITE MAP

ARCADIS

FIGURE
2

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Raleigh\ACT\B0085851\0014\00003\DWG\85851_0014_00003_W01-2Q2014.dwg LAYOUT: 2 SAVED: 9/23/2014 3:09 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 9/23/2014 3:19 PM BY: ELLIS, LEKOREY



MW-51	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	1.22
Total Xylenes	<2
MTBE	<1
TPH-DRO	119
TPH-GRO	122

VW-1	
6/6/2014	
Benzene	42.9
Toluene	2.48
Ethylbenzene	31.1
Total Xylenes	7.36
MTBE	<1
TPH-DRO	224
TPH-GRO	720

MW-53S	
6/6/2014	
Benzene	11,200
Toluene	15,500
Ethylbenzene	1,020
Total Xylenes	4,680
MTBE	197
TPH-DRO	2,670
TPH-GRO	76,800

VW-2	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	116
TPH-GRO	247

MP-1	
6/6/2014	
Benzene	113
Toluene	133
Ethylbenzene	619
Total Xylenes	740
MTBE	4.81
TPH-DRO	846
TPH-GRO	11,200

MW-6	
6/6/2014	
Benzene	<5
Toluene	<5
Ethylbenzene	<5
Total Xylenes	<10
MTBE	<5
TPH-DRO	211
TPH-GRO	<1,000

DPE-1	
6/6/2014	
Benzene	1,760
Toluene	1,740
Ethylbenzene	2,400
Total Xylenes	8,630
MTBE	22.6
TPH-DRO	4,960
TPH-GRO	48,000

MW-5	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	314
TPH-GRO	<100

MP-2	
6/6/2014	
Benzene	<1
Toluene	1.99
Ethylbenzene	17.7
Total Xylenes	37.0
MTBE	<1
TPH-DRO	351
TPH-GRO	3,690

VW-3	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	466
TPH-GRO	<100

MW-54S	
6/6/2014	
Benzene	1.68
Toluene	<1
Ethylbenzene	39.5
Total Xylenes	26.6
MTBE	<1
TPH-DRO	417
TPH-GRO	1,800

MW-50	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	208
TPH-GRO	<100

MW-11	
6/6/2014	
Benzene	<5
Toluene	<5
Ethylbenzene	<5
Total Xylenes	<10
MTBE	<5
TPH-DRO	442
TPH-GRO	<500

MW-55S	
6/6/2014	
Benzene	449
Toluene	31.3
Ethylbenzene	125
Total Xylenes	77.0
MTBE	11.6
TPH-DRO	2,860
TPH-GRO	6,600

MW-37	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	<92.6
TPH-GRO	<100

MDE Groundwater Clean-Up Standards	
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	10,000
MTBE	20
TPH-GRO	47
TPH-DRO	47

INACTIVE

TEST WELL

LEGEND:

- MONITORING WELL
- RECOVERY WELL
- MUNICIPAL SUPPLY WELL
- UTILITY MANHOLE
- UTILITY POLE
- CATCH BASIN
- PROPERTY LINE
- 452 — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- (456.26) — GROUND WATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- NM — NOT MEASURED
- NSVD — NOT SURVEYED TO VERTICAL DATUM
- VAPOR POINTS

NOTES:

[254] – MDE Groundwater Clean-Up Standard

MDE – Maryland Department of the Environment

Boldface – results exceed MDE groundwater clean-up standards

MTBE – methyl tertiary butyl ether

TPH-GRO – total petroleum hydrocarbons – gasoline range organics

TPH-DRO – total petroleum hydrocarbons – diesle range organics

All results listed in µg/L

0 50 100

SCALE: FEET

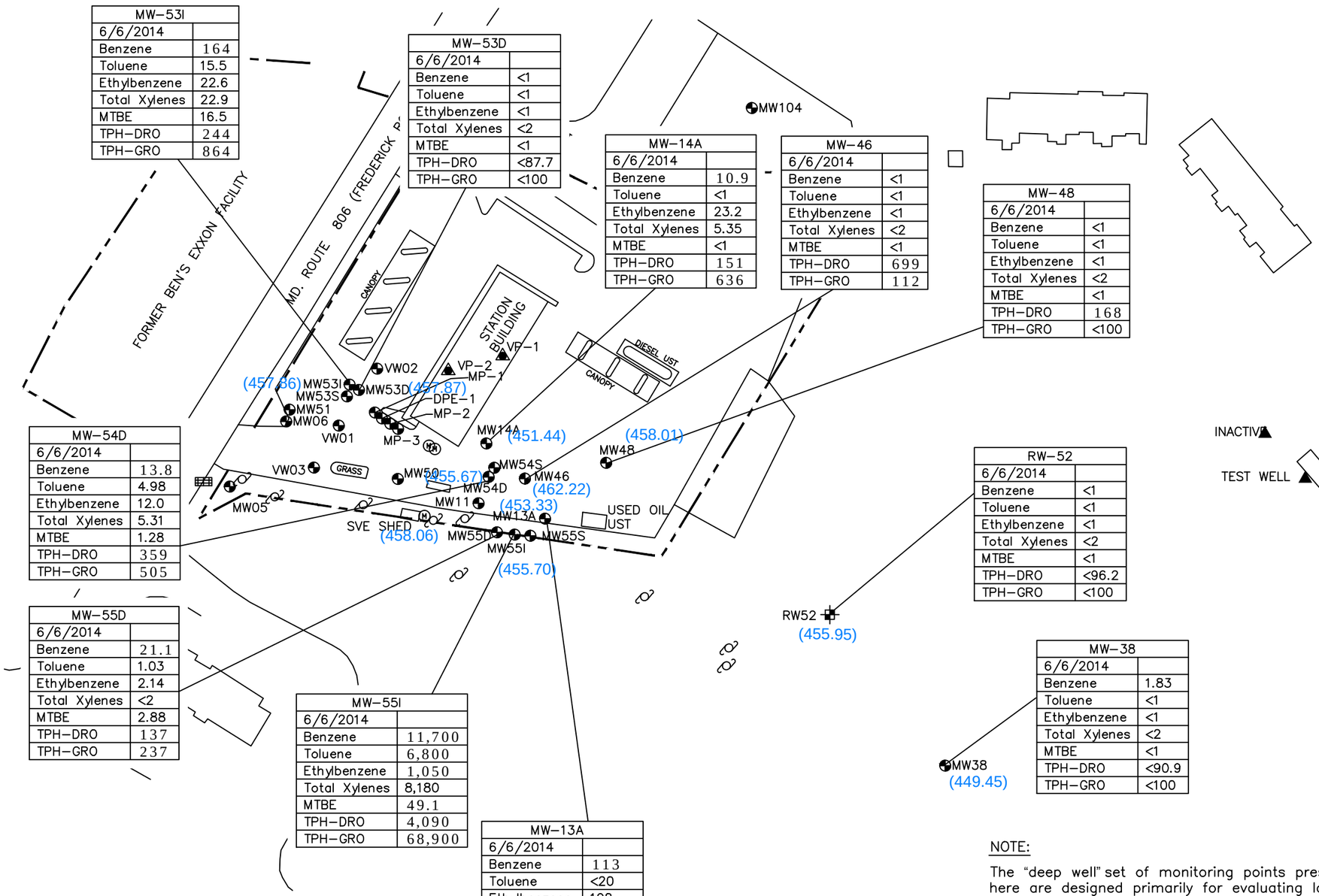
FORMER EXXON FACILITY # 25553
143 FREDERICK RD
THURMONT, MD.

SHALLOW GROUNDWATER ELEVATION CONTOUR MAP AND ANALYTICAL RESULTS 6 JUNE 2014

ARCADIS

FIGURE 3

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Raleigh\ACT\B0085851\00140\0003\DWG\85851_0014_00003_W01-2Q2014.dwg LAYOUT: 3 SAVED: 9/23/2014 3:07 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 9/23/2014 3:08 PM BY: ELLIS, LEKOREY



MW-53I	
6/6/2014	
Benzene	164
Toluene	15.5
Ethylbenzene	22.6
Total Xylenes	22.9
MTBE	16.5
TPH-DRO	244
TPH-GRO	864

MW-53D	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	<87.7
TPH-GRO	<100

MW-14A	
6/6/2014	
Benzene	10.9
Toluene	<1
Ethylbenzene	23.2
Total Xylenes	5.35
MTBE	<1
TPH-DRO	151
TPH-GRO	636

MW-46	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	699
TPH-GRO	112

MW-48	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	168
TPH-GRO	<100

MW-54D	
6/6/2014	
Benzene	13.8
Toluene	4.98
Ethylbenzene	12.0
Total Xylenes	5.31
MTBE	1.28
TPH-DRO	359
TPH-GRO	505

RW-52	
6/6/2014	
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	<96.2
TPH-GRO	<100

MW-55D	
6/6/2014	
Benzene	21.1
Toluene	1.03
Ethylbenzene	2.14
Total Xylenes	<2
MTBE	2.88
TPH-DRO	137
TPH-GRO	237

MW-38	
6/6/2014	
Benzene	1.83
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<2
MTBE	<1
TPH-DRO	<90.9
TPH-GRO	<100

MW-55I	
6/6/2014	
Benzene	11,700
Toluene	6,800
Ethylbenzene	1,050
Total Xylenes	8,180
MTBE	49.1
TPH-DRO	4,090
TPH-GRO	68,900

MW-13A	
6/6/2014	
Benzene	113
Toluene	<20
Ethylbenzene	128
Total Xylenes	<40
MTBE	<20
TPH-DRO	2,050
TPH-GRO	1,670

N

LEGEND:

- MONITORING WELL
- RECOVERY WELL
- MUNICIPAL SUPPLY WELL
- UTILITY MANHOLE
- UTILITY POLE
- CATCH BASIN
- PROPERTY LINE
- 452 — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- (456.26) — GROUND WATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
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NOTES:

[254] – MDE Groundwater Clean-Up Standard

MDE – Maryland Department of the Environment

Boldface – results exceed MDE groundwater clean-up standards

MTBE – methyl tertiary butyl ether

TPH-GRO – total petroleum hydrocarbons – gasoline range organics

TPH-DRO – total petroleum hydrocarbons – diesle range organics

All results listed in µg/L

0 50 100

SCALE: FEET

NOTE:

The "deep well" set of monitoring points presented here are designed primarily for evaluating localized vertical contaminant concentration gradients relative to adjacent "shallow well" monitoring points. Groundwater elevations measured on June 6, 2014 are noted for the deep wells; however, interpretive contours lines representing correlations between the groundwater elevation measurements are not provided. Groundwater elevation contours indicative of predominant groundwater flow direction(s) at the site are presented on Figure 3."

FORMER EXXON FACILITY # 25553
143 FREDERICK RD
THURMONT, MD.

DEEP GROUNDWATER ELEVATION CONTOUR MAP AND ANALYTICAL RESULTS 6 JUNE 2014

ARCADIS

FIGURE
4

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Raleigh\ACT\B0085851\0014\00003\DWG\85851_0014_00003_W01-2Q2014.dwg LAYOUT: 4 SAVED: 9/23/2014 3:07 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 9/23/2014 3:08 PM BY: ELLIS, LEKOREY

Appendix A

TestAmerica Laboratory Analytical Report (24 June 2014)

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: 490-54860-1
Client Project/Site: #25553 - Thurmont, MD

For:
ARCADIS U.S. Inc
1100 Welborne Drive
Suite 100
Richmond, Virginia 23229

Attn: Sterling Turner

Jennifer Huckaba

Authorized for release by:
6/24/2014 8:22:45 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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QC Association 52
Chronicle 57
Method Summary 65
Certification Summary 66
Chain of Custody 67
Receipt Checklists 74

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-54860-1	MW-5(060614)	Water	06/06/14 14:55	06/07/14 08:20
490-54860-2	MW-6(060614)	Water	06/06/14 16:30	06/07/14 08:20
490-54860-3	MW-11(060614)	Water	06/06/14 13:20	06/07/14 08:20
490-54860-4	MW-13A(060614)	Water	06/06/14 12:20	06/07/14 08:20
490-54860-5	MW-14A(060614)	Water	06/06/14 12:50	06/07/14 08:20
490-54860-6	MW-37(060614)	Water	06/06/14 10:30	06/07/14 08:20
490-54860-7	MW-38(060614)	Water	06/06/14 10:40	06/07/14 08:20
490-54860-8	MW-46(060614)	Water	06/06/14 12:30	06/07/14 08:20
490-54860-9	MW-48(060614)	Water	06/06/14 12:25	06/07/14 08:20
490-54860-10	MW-50(060614)	Water	06/06/14 14:35	06/07/14 08:20
490-54860-11	MW-51(060614)	Water	06/06/14 16:25	06/07/14 08:20
490-54860-12	MW-53D(060614)	Water	06/06/14 16:00	06/07/14 08:20
490-54860-13	MW-53I(060614)	Water	06/06/14 15:50	06/07/14 08:20
490-54860-14	MW-53S(060614)	Water	06/06/14 16:05	06/07/14 08:20
490-54860-15	MW-54S(060614)	Water	06/06/14 13:05	06/07/14 08:20
490-54860-16	MW-54D(060614)	Water	06/06/14 13:10	06/07/14 08:20
490-54860-17	MW-55D(060614)	Water	06/06/14 11:55	06/07/14 08:20
490-54860-18	MW-55I(060614)	Water	06/06/14 12:00	06/07/14 08:20
490-54860-19	MW-55S(060614)	Water	06/06/14 12:05	06/07/14 08:20
490-54860-20	RW-52(060614)	Water	06/06/14 10:50	06/07/14 08:20
490-54860-21	VW-01(060614)	Water	06/06/14 16:40	06/07/14 08:20
490-54860-22	VW-02(060614)	Water	06/06/14 15:45	06/07/14 08:20
490-54860-23	VW-03(060614)	Water	06/06/14 14:45	06/07/14 08:20
490-54860-24	MP-1(060614)	Water	06/06/14 15:30	06/07/14 08:20
490-54860-25	MP-2(060614)	Water	06/06/14 15:10	06/07/14 08:20
490-54860-26	DPE-1(060614)	Water	06/06/14 15:15	06/07/14 08:20
490-54860-27	DUP-1(060614)	Water	06/06/14 12:00	06/07/14 08:20
490-54860-28	DUP-2(060614)	Water	06/06/14 13:00	06/07/14 08:20
490-54860-29	RB-1(060614)	Water	06/06/14 18:35	06/07/14 08:20
490-54860-30	Trip Blank 1	Water	06/06/14 00:01	06/07/14 08:20
490-54860-31	Trip Blank 2	Water	06/06/14 00:01	06/07/14 08:20

Job ID: 490-54860-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-54860-1

Comments
No additional comments.

Receipt
The samples were received on 6/7/2014 8:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.8º C, 1.3º C, 2.0º C and 4.2º C.

GC/MS VOA
Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 169198 recovered above the upper control limit for Methyl tert butyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. (CCVIS 490-169198/24).

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: MW-53S(060614) (490-54860-14), MW-55I(060614) (490-54860-18), DUP-2(060614) (490-54860-28). Evidence of matrix interference is present; therefore, re-analysis was not performed at a 1X level.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batches 169565 and 170418.

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

GC VOA
Method(s) 8015C: Surrogate recovery for the following sample(s) was outside control limits: (490-54860-23 MS), (490-54860-23 MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 169641. Laboratory control sample was performed in duplicate to provide precision data.

Method(s) 8015C: Surrogate recovery for the following sample(s) was outside control limits: MW-54D(060614) (490-54860-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015C: The following sample(s) was diluted due to the nature of the sample matrix: MW-6(060614) (490-54860-2) and MW-11(060614) (490-54860-3). Elevated reporting limits (RLs) are provided.

Method(s) 8015C: 490-54860-4 This sample was a foamer and required a 10x dilution.

Method(s) 8015C: 490-54860-5 This sample was a foamer and required a 5x dilution.

Method(s) 8015C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 169803. This was a small dilution batch.

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

GC Semi VOA
Method(s) 8015C: Surrogate recovery for the following sample was outside control limits: MW-6(060614) (490-54860-2). Evidence of matrix interference is present; re-analysis confirms low surrogate.

Method(s) 8015C: Reanalysis of the following samples were performed outside of the analytical holding time due to low surrogate recovery on the initial in hold extraction, which indicates a low bias: MP-1(060614) (490-54860-24), MP-2(060614) (490-54860-25), MW-54S(060614) (490-54860-15), MW-55S(060614) (490-54860-19). The surrogate recoveries for the out of hold re-extraction and re-analysis were within control limits. The out of hold results have been qualified and reported.

Job ID: 490-54860-1 (Continued)

Laboratory: TestAmerica Nashville (Continued)

Method(s) 8015C: The surrogate recovery for the blank associated with batch 169286 was outside the upper control limits. All associated sample surrogates fell within acceptance criteria; therefore, the data have been reported.

Method(s) 8015C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batches 168854, 169286 and 171301.

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

Organic Prep

Method(s) 3510C: The following sample(s) formed emulsions during the extraction procedure: MW-11(060614) (490-54860-3), MW-13A(060614) (490-54860-4), MW-6(060614) (490-54860-2). The emulsions were broken up using centrifugation.

No additional analytical or quality issues were noted, other than those described above or 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
X	Surrogate is outside control limits

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
X	Surrogate is outside control limits

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 Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-5(060614)

Lab Sample ID: 490-54860-1

Date Collected: 06/06/14 14:55

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/13/14 13:36	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 13:36	1
Ethylbenzene	ND		1.00		ug/L			06/13/14 13:36	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 13:36	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 13:36	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 13:36	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 13:36	1
Toluene	ND		1.00		ug/L			06/13/14 13:36	1
Xylenes, Total	ND		2.00		ug/L			06/13/14 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/13/14 13:36*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*06/13/14 13:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*06/13/14 13:36*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/13/14 13:36*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/13/14 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*115*		*50 - 150*		*06/13/14 16:51*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**314**		92.6		ug/L		06/12/14 08:04	06/17/14 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*74*		*50 - 150*	*06/12/14 08:04*	*06/17/14 22:54*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-6(060614)

Lab Sample ID: 490-54860-2

Date Collected: 06/06/14 16:30

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.00		ug/L			06/13/14 14:02	5
Diisopropyl ether	ND		10.0		ug/L			06/13/14 14:02	5
Ethylbenzene	ND		5.00		ug/L			06/13/14 14:02	5
Ethyl tert-butyl ether	ND		5.00		ug/L			06/13/14 14:02	5
Methyl tert-butyl ether	ND		5.00		ug/L			06/13/14 14:02	5
Tert-amyl methyl ether	ND		5.00		ug/L			06/13/14 14:02	5
tert-Butyl alcohol (TBA)	ND		50.0		ug/L			06/13/14 14:02	5
Toluene	ND		5.00		ug/L			06/13/14 14:02	5
Xylenes, Total	ND		10.0		ug/L			06/13/14 14:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*06/13/14 14:02*	*5*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*06/13/14 14:02*	*5*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*06/13/14 14:02*	*5*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/13/14 14:02*	*5*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		1000		ug/L			06/13/14 18:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*109*		*50 - 150*		*06/13/14 18:24*	*10*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**211**		104		ug/L		06/12/14 08:04	06/17/14 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*32*	*X*	*50 - 150*	*06/12/14 08:04*	*06/17/14 23:09*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-11(060614)

Lab Sample ID: 490-54860-3

Date Collected: 06/06/14 13:20

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.00		ug/L			06/13/14 14:28	5
Diisopropyl ether	ND		10.0		ug/L			06/13/14 14:28	5
Ethylbenzene	ND		5.00		ug/L			06/13/14 14:28	5
Ethyl tert-butyl ether	ND		5.00		ug/L			06/13/14 14:28	5
Methyl tert-butyl ether	ND		5.00		ug/L			06/13/14 14:28	5
Tert-amyl methyl ether	ND		5.00		ug/L			06/13/14 14:28	5
tert-Butyl alcohol (TBA)	ND		50.0		ug/L			06/13/14 14:28	5
Toluene	ND		5.00		ug/L			06/13/14 14:28	5
Xylenes, Total	ND		10.0		ug/L			06/13/14 14:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*06/13/14 14:28*	*5*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/13/14 14:28*	*5*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/13/14 14:28*	*5*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/13/14 14:28*	*5*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		500		ug/L			06/13/14 18:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*50 - 150*		*06/13/14 18:54*	*5*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**442**		94.3		ug/L		06/12/14 08:04	06/17/14 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*58*		*50 - 150*	*06/12/14 08:04*	*06/17/14 23:55*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-13A(060614)

Lab Sample ID: 490-54860-4

Date Collected: 06/06/14 12:20
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**113**		20.0		ug/L			06/13/14 14:54	20
Diisopropyl ether	ND		40.0		ug/L			06/13/14 14:54	20
Ethylbenzene	**128**		20.0		ug/L			06/13/14 14:54	20
Ethyl tert-butyl ether	ND		20.0		ug/L			06/13/14 14:54	20
Methyl tert-butyl ether	ND		20.0		ug/L			06/13/14 14:54	20
Tert-amyl methyl ether	ND		20.0		ug/L			06/13/14 14:54	20
tert-Butyl alcohol (TBA)	ND		200		ug/L			06/13/14 14:54	20
Toluene	ND		20.0		ug/L			06/13/14 14:54	20
Xylenes, Total	ND		40.0		ug/L			06/13/14 14:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/13/14 14:54*	*20*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/13/14 14:54*	*20*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*06/13/14 14:54*	*20*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/13/14 14:54*	*20*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**1670**		1000		ug/L			06/13/14 19:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*117*		*50 - 150*		*06/13/14 19:25*	*10*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2050**		106		ug/L		06/12/14 08:04	06/18/14 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*74*		*50 - 150*	*06/12/14 08:04*	*06/18/14 00:10*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-14A(060614)

Lab Sample ID: 490-54860-5

Date Collected: 06/06/14 12:50
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**10.9**		1.00		ug/L			06/13/14 15:20	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 15:20	1
Ethylbenzene	**23.2**		1.00		ug/L			06/13/14 15:20	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 15:20	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 15:20	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 15:20	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 15:20	1
Toluene	ND		1.00		ug/L			06/13/14 15:20	1
Xylenes, Total	**5.35**		2.00		ug/L			06/13/14 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*06/13/14 15:20*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/13/14 15:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*06/13/14 15:20*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/13/14 15:20*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**636**		500		ug/L			06/13/14 19:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*113*		*50 - 150*		*06/13/14 19:56*	*5*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**151**		92.6		ug/L		06/12/14 08:04	06/18/14 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*74*		*50 - 150*	*06/12/14 08:04*	*06/18/14 00:25*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-37(060614)

Lab Sample ID: 490-54860-6

Date Collected: 06/06/14 10:30

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/13/14 15:46	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 15:46	1
Ethylbenzene	ND		1.00		ug/L			06/13/14 15:46	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 15:46	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 15:46	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 15:46	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 15:46	1
Toluene	ND		1.00		ug/L			06/13/14 15:46	1
Xylenes, Total	ND		2.00		ug/L			06/13/14 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/13/14 15:46*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*06/13/14 15:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/13/14 15:46*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/13/14 15:46*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/13/14 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*118*		*50 - 150*		*06/13/14 20:27*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		92.6		ug/L		06/12/14 08:04	06/18/14 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*68*		*50 - 150*	*06/12/14 08:04*	*06/18/14 00:40*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-38(060614)

Lab Sample ID: 490-54860-7

Date Collected: 06/06/14 10:40

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.83**		1.00		ug/L			06/13/14 16:12	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 16:12	1
Ethylbenzene	ND		1.00		ug/L			06/13/14 16:12	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 16:12	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 16:12	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 16:12	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 16:12	1
Toluene	ND		1.00		ug/L			06/13/14 16:12	1
Xylenes, Total	ND		2.00		ug/L			06/13/14 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/13/14 16:12*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/13/14 16:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/13/14 16:12*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/13/14 16:12*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/13/14 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*50 - 150*		*06/13/14 20:57*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		90.9		ug/L		06/12/14 08:04	06/18/14 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*68*		*50 - 150*	*06/12/14 08:04*	*06/18/14 00:55*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-46(060614)

Lab Sample ID: 490-54860-8

Date Collected: 06/06/14 12:30
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/13/14 16:37	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 16:37	1
Ethylbenzene	ND		1.00		ug/L			06/13/14 16:37	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 16:37	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 16:37	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 16:37	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 16:37	1
Toluene	ND		1.00		ug/L			06/13/14 16:37	1
Xylenes, Total	ND		2.00		ug/L			06/13/14 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/13/14 16:37*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/13/14 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*06/13/14 16:37*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/13/14 16:37*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**112**		100		ug/L			06/13/14 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*50 - 150*		*06/13/14 21:28*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**699**		89.3		ug/L		06/12/14 08:04	06/18/14 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*61*		*50 - 150*	*06/12/14 08:04*	*06/18/14 02:27*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-48(060614)

Lab Sample ID: 490-54860-9

Date Collected: 06/06/14 12:25

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/13/14 17:03	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 17:03	1
Ethylbenzene	ND		1.00		ug/L			06/13/14 17:03	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 17:03	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 17:03	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 17:03	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 17:03	1
Toluene	ND		1.00		ug/L			06/13/14 17:03	1
Xylenes, Total	ND		2.00		ug/L			06/13/14 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/13/14 17:03*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/13/14 17:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*06/13/14 17:03*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/13/14 17:03*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/13/14 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*104*		*50 - 150*		*06/13/14 21:59*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**168**		92.6		ug/L		06/12/14 08:04	06/18/14 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*61*		*50 - 150*	*06/12/14 08:04*	*06/18/14 01:10*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-50(060614)

Lab Sample ID: 490-54860-10

Date Collected: 06/06/14 14:35

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/13/14 17:29	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 17:29	1
Ethylbenzene	ND		1.00		ug/L			06/13/14 17:29	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 17:29	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 17:29	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 17:29	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 17:29	1
Toluene	ND		1.00		ug/L			06/13/14 17:29	1
Xylenes, Total	ND		2.00		ug/L			06/13/14 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*06/13/14 17:29*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*06/13/14 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*06/13/14 17:29*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*06/13/14 17:29*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/13/14 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*115*		*50 - 150*		*06/13/14 22:29*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**208**		90.9		ug/L		06/12/14 08:04	06/18/14 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*73*		*50 - 150*	*06/12/14 08:04*	*06/18/14 01:26*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-51(060614)

Lab Sample ID: 490-54860-11

Date Collected: 06/06/14 16:25
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/13/14 17:55	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 17:55	1
Ethylbenzene	**1.22**		1.00		ug/L			06/13/14 17:55	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 17:55	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 17:55	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 17:55	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 17:55	1
Toluene	ND		1.00		ug/L			06/13/14 17:55	1
Xylenes, Total	ND		2.00		ug/L			06/13/14 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/13/14 17:55*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/13/14 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*06/13/14 17:55*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/13/14 17:55*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**122**		100		ug/L			06/13/14 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*137*		*50 - 150*		*06/13/14 23:00*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**119**		90.9		ug/L		06/12/14 08:04	06/18/14 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*72*		*50 - 150*	*06/12/14 08:04*	*06/18/14 01:41*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-53D(060614)

Lab Sample ID: 490-54860-12

Date Collected: 06/06/14 16:00

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/13/14 18:21	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 18:21	1
Ethylbenzene	ND		1.00		ug/L			06/13/14 18:21	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 18:21	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 18:21	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 18:21	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 18:21	1
Toluene	ND		1.00		ug/L			06/13/14 18:21	1
Xylenes, Total	ND		2.00		ug/L			06/13/14 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/13/14 18:21*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/13/14 18:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*06/13/14 18:21*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/13/14 18:21*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/13/14 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*122*		*50 - 150*		*06/13/14 23:31*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		87.7		ug/L		06/12/14 08:26	06/18/14 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*67*		*50 - 150*	*06/12/14 08:26*	*06/18/14 01:56*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-53I(060614)

Lab Sample ID: 490-54860-13

Date Collected: 06/06/14 15:50
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**164**		1.00		ug/L			06/14/14 05:37	1
Diisopropyl ether	ND		2.00		ug/L			06/14/14 05:37	1
Ethylbenzene	**22.6**		1.00		ug/L			06/14/14 05:37	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/14/14 05:37	1
Methyl tert-butyl ether	**16.5**		1.00		ug/L			06/14/14 05:37	1
Tert-amyl methyl ether	**1.01**		1.00		ug/L			06/14/14 05:37	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/14/14 05:37	1
Toluene	**15.5**		1.00		ug/L			06/14/14 05:37	1
Xylenes, Total	**22.9**		2.00		ug/L			06/14/14 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/14/14 05:37*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*06/14/14 05:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*06/14/14 05:37*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*06/14/14 05:37*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**864**		500		ug/L			06/14/14 00:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*120*		*50 - 150*		*06/14/14 00:01*	*5*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**244**		96.2		ug/L		06/13/14 09:35	06/18/14 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*73*		*50 - 150*	*06/13/14 09:35*	*06/18/14 18:43*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-53S(060614)

Lab Sample ID: 490-54860-14

Date Collected: 06/06/14 16:05
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**11200**		200		ug/L			06/14/14 09:29	200
Diisopropyl ether	**20.3**		2.00		ug/L			06/13/14 19:13	1
Ethylbenzene	**1020**		10.0		ug/L			06/14/14 09:03	10
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 19:13	1
Methyl tert-butyl ether	**197**		10.0		ug/L			06/14/14 09:03	10
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 19:13	1
tert-Butyl alcohol (TBA)	**860**		10.0		ug/L			06/13/14 19:13	1
Toluene	**15500**		200		ug/L			06/14/14 09:29	200
Xylenes, Total	**4680**		20.0		ug/L			06/14/14 09:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*06/13/14 19:13*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/14/14 09:03*	*10*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/14/14 09:29*	*200*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*06/13/14 19:13*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*06/14/14 09:03*	*10*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*06/14/14 09:29*	*200*
1,2-Dichloroethane-d4 (Surr)	*60*	*X*	*70 - 130*		*06/13/14 19:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*06/14/14 09:03*	*10*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*06/14/14 09:29*	*200*
Toluene-d8 (Surr)	*81*		*70 - 130*		*06/13/14 19:13*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*06/14/14 09:03*	*10*
Toluene-d8 (Surr)	*97*		*70 - 130*		*06/14/14 09:29*	*200*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**76800**		5000		ug/L			06/16/14 11:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*99*		*50 - 150*		*06/16/14 11:41*	*50*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2670**		182		ug/L		06/13/14 09:35	06/19/14 10:38	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*94*		*50 - 150*	*06/13/14 09:35*	*06/19/14 10:38*	*2*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-54S(060614)

Lab Sample ID: 490-54860-15

Date Collected: 06/06/14 13:05
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.68**		1.00		ug/L			06/14/14 06:03	1
Diisopropyl ether	ND		2.00		ug/L			06/14/14 06:03	1
Ethylbenzene	**39.5**		1.00		ug/L			06/14/14 06:03	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/14/14 06:03	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/14/14 06:03	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/14/14 06:03	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/14/14 06:03	1
Toluene	ND		1.00		ug/L			06/14/14 06:03	1
Xylenes, Total	**26.6**		2.00		ug/L			06/14/14 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/14/14 06:03*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*06/14/14 06:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*06/14/14 06:03*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*06/14/14 06:03*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**1800**		100		ug/L			06/14/14 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*251*	*X*	*50 - 150*		*06/14/14 01:03*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**417**	**H**	92.6		ug/L		06/20/14 13:04	06/20/14 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*61*		*50 - 150*	*06/20/14 13:04*	*06/20/14 18:42*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-54D(060614)

Lab Sample ID: 490-54860-16

Date Collected: 06/06/14 13:10
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13.8**		1.00		ug/L			06/15/14 00:40	1
Diisopropyl ether	ND		2.00		ug/L			06/15/14 00:40	1
Ethylbenzene	**12.0**		1.00		ug/L			06/15/14 00:40	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 00:40	1
Methyl tert-butyl ether	**1.28**		1.00		ug/L			06/15/14 00:40	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/15/14 00:40	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/15/14 00:40	1
Toluene	**4.98**		1.00		ug/L			06/15/14 00:40	1
Xylenes, Total	**5.31**		2.00		ug/L			06/15/14 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/15/14 00:40*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/15/14 00:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*06/15/14 00:40*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/15/14 00:40*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**505**		100		ug/L			06/14/14 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*240*	*X*	*50 - 150*		*06/14/14 01:33*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**359**		94.3		ug/L		06/13/14 09:35	06/18/14 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*91*		*50 - 150*	*06/13/14 09:35*	*06/18/14 19:29*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-55D(060614)

Lab Sample ID: 490-54860-17

Date Collected: 06/06/14 11:55
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**21.1**		1.00		ug/L			06/15/14 01:06	1
Diisopropyl ether	**10.6**		2.00		ug/L			06/15/14 01:06	1
Ethylbenzene	**2.14**		1.00		ug/L			06/15/14 01:06	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 01:06	1
Methyl tert-butyl ether	**2.88**		1.00		ug/L			06/15/14 01:06	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/15/14 01:06	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/15/14 01:06	1
Toluene	**1.03**		1.00		ug/L			06/15/14 01:06	1
Xylenes, Total	ND		2.00		ug/L			06/15/14 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*06/15/14 01:06*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/15/14 01:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*06/15/14 01:06*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/15/14 01:06*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**237**		100		ug/L			06/14/14 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*114*		*50 - 150*		*06/14/14 02:04*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**137**		89.3		ug/L		06/13/14 09:35	06/18/14 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*85*		*50 - 150*	*06/13/14 09:35*	*06/18/14 19:45*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-55I(060614)

Lab Sample ID: 490-54860-18

Date Collected: 06/06/14 12:00
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**11700**		100		ug/L			06/18/14 03:19	100
Diisopropyl ether	**350**		20.0		ug/L			06/18/14 02:53	10
Ethylbenzene	**1050**		10.0		ug/L			06/18/14 02:53	10
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 01:32	1
Methyl tert-butyl ether	**49.1**		1.00		ug/L			06/15/14 01:32	1
Tert-amyl methyl ether	**86.0**		1.00		ug/L			06/15/14 01:32	1
tert-Butyl alcohol (TBA)	**179**		10.0		ug/L			06/15/14 01:32	1
Toluene	**6800**		100		ug/L			06/18/14 03:19	100
Xylenes, Total	**8180**		200		ug/L			06/18/14 03:19	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*06/15/14 01:32*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*06/18/14 02:53*	*10*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*06/18/14 03:19*	*100*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*06/15/14 01:32*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/18/14 02:53*	*10*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/18/14 03:19*	*100*
1,2-Dichloroethane-d4 (Surr)	*66*	*X*	*70 - 130*		*06/15/14 01:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*06/18/14 02:53*	*10*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*06/18/14 03:19*	*100*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/15/14 01:32*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/18/14 02:53*	*10*
Toluene-d8 (Surr)	*102*		*70 - 130*		*06/18/14 03:19*	*100*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**68900**		5000		ug/L			06/16/14 11:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*100*		*50 - 150*		*06/16/14 11:11*	*50*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**4090**		370		ug/L		06/13/14 09:35	06/19/14 10:53	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*60*		*50 - 150*	*06/13/14 09:35*	*06/19/14 10:53*	*4*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-55S(060614)

Lab Sample ID: 490-54860-19

Date Collected: 06/06/14 12:05
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**449**		10.0		ug/L			06/18/14 00:42	10
Diisopropyl ether	**6.47**		2.00		ug/L			06/18/14 00:16	1
Ethylbenzene	**125**		1.00		ug/L			06/18/14 00:16	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/18/14 00:16	1
Methyl tert-butyl ether	**11.6**		1.00		ug/L			06/18/14 00:16	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/18/14 00:16	1
tert-Butyl alcohol (TBA)	**52.3**		10.0		ug/L			06/18/14 00:16	1
Toluene	**31.3**		1.00		ug/L			06/18/14 00:16	1
Xylenes, Total	**77.0**		2.00		ug/L			06/18/14 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/18/14 00:16*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*06/18/14 00:42*	*10*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/18/14 00:16*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/18/14 00:42*	*10*
1,2-Dichloroethane-d4 (Surr)	*117*		*70 - 130*		*06/18/14 00:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*		*06/18/14 00:42*	*10*
Toluene-d8 (Surr)	*103*		*70 - 130*		*06/18/14 00:16*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/18/14 00:42*	*10*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**6600**		1000		ug/L			06/14/14 03:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*119*		*50 - 150*		*06/14/14 03:05*	*10*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2860**	**H**	96.2		ug/L		06/20/14 13:04	06/20/14 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*80*		*50 - 150*	*06/20/14 13:04*	*06/20/14 18:57*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: RW-52(060614)

Lab Sample ID: 490-54860-20

Date Collected: 06/06/14 10:50
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/15/14 02:24	1
Diisopropyl ether	ND		2.00		ug/L			06/15/14 02:24	1
Ethylbenzene	ND		1.00		ug/L			06/15/14 02:24	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 02:24	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/15/14 02:24	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/15/14 02:24	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/15/14 02:24	1
Toluene	ND		1.00		ug/L			06/15/14 02:24	1
Xylenes, Total	ND		2.00		ug/L			06/15/14 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/15/14 02:24*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/15/14 02:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*06/15/14 02:24*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/15/14 02:24*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/14/14 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*107*		*50 - 150*		*06/14/14 03:36*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		96.2		ug/L		06/13/14 09:35	06/18/14 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*83*		*50 - 150*	*06/13/14 09:35*	*06/18/14 20:31*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: VW-01(060614)

Lab Sample ID: 490-54860-21

Date Collected: 06/06/14 16:40
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**42.9**		1.00		ug/L			06/15/14 02:50	1
Diisopropyl ether	ND		2.00		ug/L			06/15/14 02:50	1
Ethylbenzene	**31.1**		1.00		ug/L			06/15/14 02:50	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 02:50	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/15/14 02:50	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/15/14 02:50	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/15/14 02:50	1
Toluene	**2.48**		1.00		ug/L			06/15/14 02:50	1
Xylenes, Total	**7.36**		2.00		ug/L			06/15/14 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*06/15/14 02:50*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/15/14 02:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*06/15/14 02:50*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*06/15/14 02:50*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**720**		100		ug/L			06/14/14 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*83*		*50 - 150*		*06/14/14 19:03*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**224**		98.0		ug/L		06/13/14 09:35	06/18/14 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*71*		*50 - 150*	*06/13/14 09:35*	*06/18/14 20:46*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: VW-02(060614)

Lab Sample ID: 490-54860-22

Date Collected: 06/06/14 15:45
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/15/14 03:16	1
Diisopropyl ether	ND		2.00		ug/L			06/15/14 03:16	1
Ethylbenzene	ND		1.00		ug/L			06/15/14 03:16	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 03:16	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/15/14 03:16	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/15/14 03:16	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/15/14 03:16	1
Toluene	ND		1.00		ug/L			06/15/14 03:16	1
Xylenes, Total	ND		2.00		ug/L			06/15/14 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/15/14 03:16*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*06/15/14 03:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*06/15/14 03:16*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*06/15/14 03:16*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**247**		100		ug/L			06/14/14 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*88*		*50 - 150*		*06/14/14 03:28*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**116**		94.3		ug/L		06/13/14 09:35	06/18/14 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*78*		*50 - 150*	*06/13/14 09:35*	*06/18/14 21:02*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: VW-03(060614)

Lab Sample ID: 490-54860-23

Date Collected: 06/06/14 14:45

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/15/14 03:42	1
Diisopropyl ether	ND		2.00		ug/L			06/15/14 03:42	1
Ethylbenzene	ND		1.00		ug/L			06/15/14 03:42	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 03:42	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/15/14 03:42	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/15/14 03:42	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/15/14 03:42	1
Toluene	ND		1.00		ug/L			06/15/14 03:42	1
Xylenes, Total	ND		2.00		ug/L			06/15/14 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/15/14 03:42*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*06/15/14 03:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/15/14 03:42*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*06/15/14 03:42*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/14/14 04:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*82*		*50 - 150*		*06/14/14 04:39*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**466**		96.2		ug/L		06/13/14 09:35	06/18/14 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*55*		*50 - 150*	*06/13/14 09:35*	*06/18/14 23:20*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MP-1(060614)

Lab Sample ID: 490-54860-24

Date Collected: 06/06/14 15:30
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**113**		1.00		ug/L			06/15/14 04:08	1
Diisopropyl ether	ND		2.00		ug/L			06/15/14 04:08	1
Ethylbenzene	**619**		10.0		ug/L			06/18/14 01:08	10
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 04:08	1
Methyl tert-butyl ether	**4.81**		1.00		ug/L			06/15/14 04:08	1
Tert-amyl methyl ether	**1.06**		1.00		ug/L			06/15/14 04:08	1
tert-Butyl alcohol (TBA)	**21.9**		10.0		ug/L			06/15/14 04:08	1
Toluene	**133**		1.00		ug/L			06/15/14 04:08	1
Xylenes, Total	**740**		2.00		ug/L			06/15/14 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/15/14 04:08*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*06/18/14 01:08*	*10*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/15/14 04:08*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/18/14 01:08*	*10*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/15/14 04:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*		*06/18/14 01:08*	*10*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/15/14 04:08*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/18/14 01:08*	*10*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**11200**		2000		ug/L			06/14/14 19:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*87*		*50 - 150*		*06/14/14 19:34*	*20*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**846**	**H**	96.2		ug/L		06/20/14 13:04	06/20/14 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*76*		*50 - 150*	*06/20/14 13:04*	*06/20/14 19:12*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MP-2(060614)

Lab Sample ID: 490-54860-25

Date Collected: 06/06/14 15:10
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/15/14 04:34	1
Diisopropyl ether	ND		2.00		ug/L			06/15/14 04:34	1
Ethylbenzene	**17.7**		1.00		ug/L			06/15/14 04:34	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 04:34	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/15/14 04:34	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/15/14 04:34	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/15/14 04:34	1
Toluene	**1.99**		1.00		ug/L			06/15/14 04:34	1
Xylenes, Total	**37.0**		2.00		ug/L			06/15/14 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*06/15/14 04:34*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/15/14 04:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*06/15/14 04:34*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*06/15/14 04:34*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**3690**		100		ug/L			06/14/14 07:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*50*		*50 - 150*		*06/14/14 07:01*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**351**	**H**	98.0		ug/L		06/20/14 13:04	06/20/14 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*81*		*50 - 150*	*06/20/14 13:04*	*06/20/14 19:27*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: DPE-1(060614)

Lab Sample ID: 490-54860-26

Date Collected: 06/06/14 15:15
Matrix: Water
Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1760**		10.0		ug/L			06/18/14 03:45	10
Diisopropyl ether	**7.66**		2.00		ug/L			06/15/14 05:00	1
Ethylbenzene	**2400**		100		ug/L			06/18/14 04:11	100
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 05:00	1
Methyl tert-butyl ether	**22.6**		1.00		ug/L			06/15/14 05:00	1
Tert-amyl methyl ether	**8.16**		1.00		ug/L			06/15/14 05:00	1
tert-Butyl alcohol (TBA)	**48.0**		10.0		ug/L			06/15/14 05:00	1
Toluene	**1740**		10.0		ug/L			06/18/14 03:45	10
Xylenes, Total	**8630**		200		ug/L			06/18/14 04:11	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/15/14 05:00*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*06/18/14 03:45*	*10*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*06/18/14 04:11*	*100*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*06/15/14 05:00*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/18/14 03:45*	*10*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/18/14 04:11*	*100*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*06/15/14 05:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*		*06/18/14 03:45*	*10*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*		*06/18/14 04:11*	*100*
Toluene-d8 (Surr)	*103*		*70 - 130*		*06/15/14 05:00*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/18/14 03:45*	*10*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/18/14 04:11*	*100*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**48000**		5000		ug/L			06/14/14 20:06	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*80*		*50 - 150*		*06/14/14 20:06*	*50*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**4960**		490		ug/L		06/13/14 09:35	06/19/14 16:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*98*		*50 - 150*	*06/13/14 09:35*	*06/19/14 16:26*	*5*

Client Sample ID: DUP-1(060614)

Lab Sample ID: 490-54860-27

Date Collected: 06/06/14 12:00

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1720**		10.0		ug/L			06/18/14 04:37	10
Diisopropyl ether	**8.33**		2.00		ug/L			06/15/14 11:02	1
Ethylbenzene	**2610**		100		ug/L			06/18/14 05:02	100
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 11:02	1
Methyl tert-butyl ether	**24.7**		1.00		ug/L			06/15/14 11:02	1
Tert-amyl methyl ether	**9.47**		1.00		ug/L			06/15/14 11:02	1
tert-Butyl alcohol (TBA)	**51.7**		10.0		ug/L			06/15/14 11:02	1
Toluene	**1700**		10.0		ug/L			06/18/14 04:37	10
Xylenes, Total	**9070**		200		ug/L			06/18/14 05:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*06/15/14 11:02*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/18/14 04:37*	*10*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*06/18/14 05:02*	*100*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/15/14 11:02*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/18/14 04:37*	*10*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*06/18/14 05:02*	*100*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*06/15/14 11:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*06/18/14 04:37*	*10*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*		*06/18/14 05:02*	*100*
Toluene-d8 (Surr)	*102*		*70 - 130*		*06/15/14 11:02*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/18/14 04:37*	*10*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/18/14 05:02*	*100*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**46600**		5000		ug/L			06/14/14 20:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*85*		*50 - 150*		*06/14/14 20:37*	*50*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3980**		370		ug/L		06/13/14 09:35	06/19/14 12:31	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*64*		*50 - 150*	*06/13/14 09:35*	*06/19/14 12:31*	*4*

Client Sample ID: DUP-2(060614)

Lab Sample ID: 490-54860-28

Date Collected: 06/06/14 13:00

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9750**		200		ug/L			06/18/14 06:20	200
Diisopropyl ether	**17.2**		2.00		ug/L			06/15/14 11:28	1
Ethylbenzene	**975**		20.0		ug/L			06/18/14 05:54	20
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 11:28	1
Methyl tert-butyl ether	**166**		1.00		ug/L			06/15/14 11:28	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/15/14 11:28	1
tert-Butyl alcohol (TBA)	**585**		10.0		ug/L			06/15/14 11:28	1
Toluene	**13200**		200		ug/L			06/18/14 06:20	200
Xylenes, Total	**4980**		40.0		ug/L			06/18/14 05:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/15/14 11:28*	*1*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*06/18/14 05:54*	*20*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*06/18/14 06:20*	*200*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*06/15/14 11:28*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*		*06/18/14 05:54*	*20*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*06/18/14 06:20*	*200*
1,2-Dichloroethane-d4 (Surr)	*68*	*X*	*70 - 130*		*06/15/14 11:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*06/18/14 05:54*	*20*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 130*		*06/18/14 06:20*	*200*
Toluene-d8 (Surr)	*89*		*70 - 130*		*06/15/14 11:28*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/18/14 05:54*	*20*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/18/14 06:20*	*200*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**53800**		5000		ug/L			06/14/14 21:08	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*78*		*50 - 150*		*06/14/14 21:08*	*50*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1580**		392		ug/L		06/13/14 09:35	06/19/14 11:23	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*67*		*50 - 150*	*06/13/14 09:35*	*06/19/14 11:23*	*4*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: RB-1(060614)

Lab Sample ID: 490-54860-29

Date Collected: 06/06/14 18:35

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/14/14 22:31	1
Diisopropyl ether	ND		2.00		ug/L			06/14/14 22:31	1
Ethylbenzene	ND		1.00		ug/L			06/14/14 22:31	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/14/14 22:31	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/14/14 22:31	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/14/14 22:31	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/14/14 22:31	1
Toluene	ND		1.00		ug/L			06/14/14 22:31	1
Xylenes, Total	ND		2.00		ug/L			06/14/14 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*06/14/14 22:31*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*06/14/14 22:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*06/14/14 22:31*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/14/14 22:31*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/14/14 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*86*		*50 - 150*		*06/14/14 04:03*	*1*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		98.0		ug/L		06/13/14 09:35	06/18/14 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*50 - 150*	*06/13/14 09:35*	*06/18/14 23:05*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: Trip Blank 1

Lab Sample ID: 490-54860-30

Date Collected: 06/06/14 00:01

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/14/14 22:05	1
Diisopropyl ether	ND		2.00		ug/L			06/14/14 22:05	1
Ethylbenzene	ND		1.00		ug/L			06/14/14 22:05	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/14/14 22:05	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/14/14 22:05	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/14/14 22:05	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/14/14 22:05	1
Toluene	ND		1.00		ug/L			06/14/14 22:05	1
Xylenes, Total	ND		2.00		ug/L			06/14/14 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/14/14 22:05*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/14/14 22:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*06/14/14 22:05*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/14/14 22:05*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: Trip Blank 2

Lab Sample ID: 490-54860-31

Date Collected: 06/06/14 00:01

Matrix: Water

Date Received: 06/07/14 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/14/14 21:39	1
Diisopropyl ether	ND		2.00		ug/L			06/14/14 21:39	1
Ethylbenzene	ND		1.00		ug/L			06/14/14 21:39	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/14/14 21:39	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/14/14 21:39	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/14/14 21:39	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/14/14 21:39	1
Toluene	ND		1.00		ug/L			06/14/14 21:39	1
Xylenes, Total	ND		2.00		ug/L			06/14/14 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*06/14/14 21:39*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*06/14/14 21:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*06/14/14 21:39*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/14/14 21:39*	*1*

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

Lab Sample ID: MB 490-169198/7
Matrix: Water
Analysis Batch: 169198

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/13/14 13:10	1
Diisopropyl ether	ND		2.00		ug/L			06/13/14 13:10	1
Ethylbenzene	ND		1.00		ug/L			06/13/14 13:10	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/13/14 13:10	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/13/14 13:10	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/13/14 13:10	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/13/14 13:10	1
Toluene	ND		1.00		ug/L			06/13/14 13:10	1
Xylenes, Total	ND		2.00		ug/L			06/13/14 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/13/14 13:10*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*06/13/14 13:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*06/13/14 13:10*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/13/14 13:10*	*1*

Lab Sample ID: LCS 490-169198/3
Matrix: Water
Analysis Batch: 169198

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	54.34		ug/L		109	80 - 121
Diisopropyl ether	50.0	55.03		ug/L		110	61 - 142
Ethylbenzene	50.0	54.59		ug/L		109	80 - 130
Ethyl tert-butyl ether	50.0	57.05		ug/L		114	63 - 135
Methyl tert-butyl ether	50.0	58.95		ug/L		118	72 - 133
Tert-amyl methyl ether	50.0	58.51		ug/L		117	63 - 135
tert-Butyl alcohol (TBA)	500	617.8		ug/L		124	54 - 150
Toluene	50.0	54.31		ug/L		109	80 - 126
Xylenes, Total	150	163.2		ug/L		109	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 490-169198/4
Matrix: Water
Analysis Batch: 169198

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	50.0	52.58		ug/L		105	80 - 121	3	17
Diisopropyl ether	50.0	55.08		ug/L		110	61 - 142	0	50
Ethylbenzene	50.0	53.42		ug/L		107	80 - 130	2	15
Ethyl tert-butyl ether	50.0	57.28		ug/L		115	63 - 135	0	19
Methyl tert-butyl ether	50.0	59.39		ug/L		119	72 - 133	1	16

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

Lab Sample ID: LCSD 490-169198/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169198

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tert-amyl methyl ether			50.0	58.22		ug/L		116	63 - 135	0	15
tert-Butyl alcohol (TBA)			500	561.6		ug/L		112	54 - 150	10	32
Toluene			50.0	53.02		ug/L		106	80 - 126	2	15
Xylenes, Total			150	161.9		ug/L		108	80 - 132	1	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: 490-54860-1 MS — **Client Sample ID: MW-5(060614)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	ND		50.0	49.01		ug/L		97	75 - 133		
Diisopropyl ether	ND		50.0	48.25		ug/L		96	10 - 200		
Ethylbenzene	ND		50.0	51.60		ug/L		103	79 - 139		
Ethyl tert-butyl ether	ND		50.0	50.17		ug/L		100	60 - 138		
Methyl tert-butyl ether	ND		50.0	51.16		ug/L		102	66 - 141		
Tert-amyl methyl ether	ND		50.0	51.18		ug/L		102	61 - 138		
tert-Butyl alcohol (TBA)	ND		500	465.4		ug/L		93	50 - 183		
Toluene	ND		50.0	50.54		ug/L		101	75 - 136		
Xylenes, Total	ND		150	154.4		ug/L		103	74 - 141		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 490-54860-1 MSD — **Client Sample ID: MW-5(060614)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	51.51		ug/L		102	75 - 133	5	17
Diisopropyl ether	ND		50.0	52.84		ug/L		106	10 - 200	9	50
Ethylbenzene	ND		50.0	55.05		ug/L		110	79 - 139	6	15
Ethyl tert-butyl ether	ND		50.0	55.65		ug/L		111	60 - 138	10	19
Methyl tert-butyl ether	ND		50.0	57.73		ug/L		115	66 - 141	12	16
Tert-amyl methyl ether	ND		50.0	56.85		ug/L		114	61 - 138	10	15
tert-Butyl alcohol (TBA)	ND		500	580.9		ug/L		116	50 - 183	22	32
Toluene	ND		50.0	53.14		ug/L		106	75 - 136	5	15
Xylenes, Total	ND		150	164.1		ug/L		109	74 - 141	6	15

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

Lab Sample ID: 490-54860-1 MSD
Matrix: Water
Analysis Batch: 169198

Client Sample ID: MW-5(060614)
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: MB 490-169565/7
Matrix: Water
Analysis Batch: 169565

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/14/14 03:02	1
Diisopropyl ether	ND		2.00		ug/L			06/14/14 03:02	1
Ethylbenzene	ND		1.00		ug/L			06/14/14 03:02	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/14/14 03:02	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/14/14 03:02	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/14/14 03:02	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/14/14 03:02	1
Toluene	ND		1.00		ug/L			06/14/14 03:02	1
Xylenes, Total	ND		2.00		ug/L			06/14/14 03:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		06/14/14 03:02	1
Dibromofluoromethane (Surr)	98		70 - 130		06/14/14 03:02	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		06/14/14 03:02	1
Toluene-d8 (Surr)	95		70 - 130		06/14/14 03:02	1

Lab Sample ID: LCS 490-169565/3
Matrix: Water
Analysis Batch: 169565

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.25		ug/L		99	80 - 121
Diisopropyl ether	50.0	49.19		ug/L		98	61 - 142
Ethylbenzene	50.0	50.59		ug/L		101	80 - 130
Ethyl tert-butyl ether	50.0	51.94		ug/L		104	63 - 135
Methyl tert-butyl ether	50.0	54.03		ug/L		108	72 - 133
Tert-amyl methyl ether	50.0	53.57		ug/L		107	63 - 135
tert-Butyl alcohol (TBA)	500	473.2		ug/L		95	54 - 150
Toluene	50.0	50.36		ug/L		101	80 - 126
Xylenes, Total	150	152.5		ug/L		102	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Toluene-d8 (Surr)	95		70 - 130

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

Lab Sample ID: LCSD 490-169565/4
Matrix: Water
Analysis Batch: 169565

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	50.0	51.14		ug/L		102	80 - 121	4	17
Diisopropyl ether	50.0	50.95		ug/L		102	61 - 142	4	50
Ethylbenzene	50.0	52.80		ug/L		106	80 - 130	4	15
Ethyl tert-butyl ether	50.0	54.27		ug/L		109	63 - 135	4	19
Methyl tert-butyl ether	50.0	56.26		ug/L		113	72 - 133	4	16
Tert-amyl methyl ether	50.0	55.99		ug/L		112	63 - 135	4	15
tert-Butyl alcohol (TBA)	500	519.9		ug/L		104	54 - 150	9	32
Toluene	50.0	51.97		ug/L		104	80 - 126	3	15
Xylenes, Total	150	158.4		ug/L		106	80 - 132	4	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 490-169757/8
Matrix: Water
Analysis Batch: 169757

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/14/14 21:13	1
Diisopropyl ether	ND		2.00		ug/L			06/14/14 21:13	1
Ethylbenzene	ND		1.00		ug/L			06/14/14 21:13	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/14/14 21:13	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/14/14 21:13	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/14/14 21:13	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/14/14 21:13	1
Toluene	ND		1.00		ug/L			06/14/14 21:13	1
Xylenes, Total	ND		2.00		ug/L			06/14/14 21:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/14/14 21:13*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*06/14/14 21:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*06/14/14 21:13*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*06/14/14 21:13*	*1*

Lab Sample ID: LCS 490-169757/3
Matrix: Water
Analysis Batch: 169757

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.03		ug/L		96	80 - 121
Diisopropyl ether	50.0	49.63		ug/L		99	61 - 142
Ethylbenzene	50.0	48.96		ug/L		98	80 - 130
Ethyl tert-butyl ether	50.0	50.77		ug/L		102	63 - 135
Methyl tert-butyl ether	50.0	51.78		ug/L		104	72 - 133

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

Lab Sample ID: LCS 490-169757/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tert-amyl methyl ether	50.0	51.11		ug/L		102	63 - 135
tert-Butyl alcohol (TBA)	500	471.4		ug/L		94	54 - 150
Toluene	50.0	48.41		ug/L		97	80 - 126
Xylenes, Total	150	147.8		ug/L		99	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 490-169757/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169757

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	47.97		ug/L		96	80 - 121	0	17
Diisopropyl ether	50.0	51.12		ug/L		102	61 - 142	3	50
Ethylbenzene	50.0	49.23		ug/L		98	80 - 130	1	15
Ethyl tert-butyl ether	50.0	52.49		ug/L		105	63 - 135	3	19
Methyl tert-butyl ether	50.0	54.15		ug/L		108	72 - 133	4	16
Tert-amyl methyl ether	50.0	53.23		ug/L		106	63 - 135	4	15
tert-Butyl alcohol (TBA)	500	519.4		ug/L		104	54 - 150	10	32
Toluene	50.0	48.00		ug/L		96	80 - 126	1	15
Xylenes, Total	150	147.7		ug/L		98	80 - 132	0	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 490-54583-B-5 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169757

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	47.03		ug/L		94	75 - 133
Diisopropyl ether	ND		50.0	53.84		ug/L		108	10 - 200
Ethylbenzene	ND		50.0	53.48		ug/L		107	79 - 139
Ethyl tert-butyl ether	ND		50.0	57.80		ug/L		116	60 - 138
Methyl tert-butyl ether	ND		50.0	59.53		ug/L		119	66 - 141
Tert-amyl methyl ether	ND		50.0	58.61		ug/L		117	61 - 138
tert-Butyl alcohol (TBA)	10.4		500	648.7		ug/L		128	50 - 183
Toluene	ND		50.0	51.29		ug/L		101	75 - 136
Xylenes, Total	ND		150	159.8		ug/L		107	74 - 141

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

Lab Sample ID: 490-54583-B-5 MS
Matrix: Water
Analysis Batch: 169757

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	113		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: 490-54583-C-5 MSD
Matrix: Water
Analysis Batch: 169757

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
Benzene	ND		50.0	46.49		ug/L		93	75 - 133	1	17
Diisopropyl ether	ND		50.0	52.38		ug/L		105	10 - 200	3	50
Ethylbenzene	ND		50.0	50.15		ug/L		100	79 - 139	6	15
Ethyl tert-butyl ether	ND		50.0	56.07		ug/L		112	60 - 138	3	19
Methyl tert-butyl ether	ND		50.0	58.33		ug/L		117	66 - 141	2	16
Tert-amyl methyl ether	ND		50.0	58.72		ug/L		117	61 - 138	0	15
tert-Butyl alcohol (TBA)	10.4		500	738.3		ug/L		146	50 - 183	13	32
Toluene	ND		50.0	49.41		ug/L		97	75 - 136	4	15
Xylenes, Total	ND		150	149.6		ug/L		100	74 - 141	7	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	114		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 490-169777/7
Matrix: Water
Analysis Batch: 169777

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/15/14 09:44	1
Diisopropyl ether	ND		2.00		ug/L			06/15/14 09:44	1
Ethylbenzene	ND		1.00		ug/L			06/15/14 09:44	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/15/14 09:44	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/15/14 09:44	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/15/14 09:44	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/15/14 09:44	1
Toluene	ND		1.00		ug/L			06/15/14 09:44	1
Xylenes, Total	ND		2.00		ug/L			06/15/14 09:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130		06/15/14 09:44	1
Dibromofluoromethane (Surr)	95		70 - 130		06/15/14 09:44	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 130		06/15/14 09:44	1
Toluene-d8 (Surr)	102		70 - 130		06/15/14 09:44	1

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

Lab Sample ID: LCS 490-169777/3
Matrix: Water
Analysis Batch: 169777

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.81		ug/L		102	80 - 121
Diisopropyl ether	50.0	53.87		ug/L		108	61 - 142
Ethylbenzene	50.0	53.55		ug/L		107	80 - 130
Ethyl tert-butyl ether	50.0	54.44		ug/L		109	63 - 135
Methyl tert-butyl ether	50.0	54.35		ug/L		109	72 - 133
Tert-amyl methyl ether	50.0	54.23		ug/L		108	63 - 135
tert-Butyl alcohol (TBA)	500	494.9		ug/L		99	54 - 150
Toluene	50.0	52.62		ug/L		105	80 - 126
Xylenes, Total	150	159.7		ug/L		106	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 490-169777/4
Matrix: Water
Analysis Batch: 169777

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	50.0	50.34		ug/L		101	80 - 121	1	17
Diisopropyl ether	50.0	53.44		ug/L		107	61 - 142	1	50
Ethylbenzene	50.0	52.81		ug/L		106	80 - 130	1	15
Ethyl tert-butyl ether	50.0	53.40		ug/L		107	63 - 135	2	19
Methyl tert-butyl ether	50.0	53.23		ug/L		106	72 - 133	2	16
Tert-amyl methyl ether	50.0	53.00		ug/L		106	63 - 135	2	15
tert-Butyl alcohol (TBA)	500	488.0		ug/L		98	54 - 150	1	32
Toluene	50.0	52.09		ug/L		104	80 - 126	1	15
Xylenes, Total	150	158.3		ug/L		106	80 - 132	1	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 490-54975-B-8 MS
Matrix: Water
Analysis Batch: 169777

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
Benzene	ND		50.0	42.28		ug/L		85	75 - 133
Diisopropyl ether	ND		50.0	42.42		ug/L		85	10 - 200
Ethylbenzene	ND		50.0	46.00		ug/L		92	79 - 139
Ethyl tert-butyl ether	ND		50.0	44.72		ug/L		89	60 - 138
Methyl tert-butyl ether	ND		50.0	46.03		ug/L		92	66 - 141

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

Lab Sample ID: 490-54975-B-8 MS
Matrix: Water
Analysis Batch: 169777

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
Tert-amyl methyl ether	ND		50.0	46.61		ug/L		93	61 - 138
tert-Butyl alcohol (TBA)	ND		500	537.3		ug/L		107	50 - 183
Toluene	ND		50.0	43.79		ug/L		88	75 - 136
Xylenes, Total	ND		150	135.5		ug/L		90	74 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 490-54975-C-8 MSD
Matrix: Water
Analysis Batch: 169777

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
Benzene	ND		50.0	44.71		ug/L		89	75 - 133	6	17
Diisopropyl ether	ND		50.0	47.89		ug/L		96	10 - 200	12	50
Ethylbenzene	ND		50.0	49.66		ug/L		99	79 - 139	8	15
Ethyl tert-butyl ether	ND		50.0	50.01		ug/L		100	60 - 138	11	19
Methyl tert-butyl ether	ND		50.0	52.16		ug/L		104	66 - 141	12	16
Tert-amyl methyl ether	ND		50.0	50.94		ug/L		102	61 - 138	9	15
tert-Butyl alcohol (TBA)	ND		500	578.5		ug/L		116	50 - 183	7	32
Toluene	ND		50.0	46.51		ug/L		93	75 - 136	6	15
Xylenes, Total	ND		150	147.6		ug/L		98	74 - 141	9	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 490-170418/7
Matrix: Water
Analysis Batch: 170418

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			06/17/14 23:19	1
Diisopropyl ether	ND		2.00		ug/L			06/17/14 23:19	1
Ethylbenzene	ND		1.00		ug/L			06/17/14 23:19	1
Ethyl tert-butyl ether	ND		1.00		ug/L			06/17/14 23:19	1
Methyl tert-butyl ether	ND		1.00		ug/L			06/17/14 23:19	1
Tert-amyl methyl ether	ND		1.00		ug/L			06/17/14 23:19	1
tert-Butyl alcohol (TBA)	ND		10.0		ug/L			06/17/14 23:19	1
Toluene	ND		1.00		ug/L			06/17/14 23:19	1
Xylenes, Total	ND		2.00		ug/L			06/17/14 23:19	1

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

Lab Sample ID: MB 490-170418/7
Matrix: Water
Analysis Batch: 170418

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130		06/17/14 23:19	1
Dibromofluoromethane (Surr)	97		70 - 130		06/17/14 23:19	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 130		06/17/14 23:19	1
Toluene-d8 (Surr)	100		70 - 130		06/17/14 23:19	1

Lab Sample ID: LCS 490-170418/3
Matrix: Water
Analysis Batch: 170418

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.94		ug/L		102	80 - 121
Diisopropyl ether	50.0	51.57		ug/L		103	61 - 142
Ethylbenzene	50.0	51.45		ug/L		103	80 - 130
Ethyl tert-butyl ether	50.0	54.56		ug/L		109	63 - 135
Methyl tert-butyl ether	50.0	53.98		ug/L		108	72 - 133
Tert-amyl methyl ether	50.0	53.97		ug/L		108	63 - 135
tert-Butyl alcohol (TBA)	500	589.8		ug/L		118	54 - 150
Toluene	50.0	50.43		ug/L		101	80 - 126
Xylenes, Total	150	152.9		ug/L		102	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	112		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: LCSD 490-170418/4
Matrix: Water
Analysis Batch: 170418

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	50.0	48.18		ug/L		96	80 - 121	6	17
Diisopropyl ether	50.0	51.04		ug/L		102	61 - 142	1	50
Ethylbenzene	50.0	47.99		ug/L		96	80 - 130	7	15
Ethyl tert-butyl ether	50.0	53.29		ug/L		107	63 - 135	2	19
Methyl tert-butyl ether	50.0	53.63		ug/L		107	72 - 133	1	16
Tert-amyl methyl ether	50.0	53.21		ug/L		106	63 - 135	1	15
tert-Butyl alcohol (TBA)	500	557.8		ug/L		112	54 - 150	6	32
Toluene	50.0	47.82		ug/L		96	80 - 126	5	15
Xylenes, Total	150	142.7		ug/L		95	80 - 132	7	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Lab Sample ID: MB 490-169212/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/13/14 16:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*127*		*50 - 150*		*06/13/14 16:21*	*1*

Lab Sample ID: LCS 490-169212/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	1000	994.0		ug/L		99	66 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*110*		*50 - 150*

Lab Sample ID: LCSD 490-169212/7 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169212

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	1000	970.2		ug/L		97	66 - 140	2	42

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*109*		*50 - 150*

Lab Sample ID: 490-54860-1 MS — **Client Sample ID: MW-5(060614)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	ND		1000	876.8		ug/L		88	33 - 175

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*110*		*50 - 150*

Lab Sample ID: 490-54860-1 MSD — **Client Sample ID: MW-5(060614)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		1000	945.5		ug/L		95	33 - 175	8	42

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) (Continued)

Lab Sample ID: 490-54860-1 MSD — **Client Sample ID: MW-5(060614)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169212

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene	100		50 - 150

Lab Sample ID: MB 490-169412/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/13/14 17:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	87		50 - 150		06/13/14 17:58	1

Lab Sample ID: LCS 490-169412/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169412

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]			1000	1113		ug/L		111	66 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	148		50 - 150

Lab Sample ID: 490-54860-23 MS — **Client Sample ID: VW-03(060614)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]	ND		1000	1080		ug/L		108	33 - 175		

Surrogate	MS %Recovery	MS Qualifier	Limits
a,a,a-Trifluorotoluene	16	X	50 - 150

Lab Sample ID: 490-54860-23 MSD — **Client Sample ID: VW-03(060614)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		1000	1108		ug/L		111	33 - 175	3	42

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene	202	X	50 - 150

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) (Continued)

Lab Sample ID: MB 490-169641/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/14/14 14:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*72*		*50 - 150*		*06/14/14 14:53*	*1*

Lab Sample ID: LCS 490-169641/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	1000	1214		ug/L		121	66 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*117*		*50 - 150*

Lab Sample ID: LCSD 490-169641/6 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169641

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	1000	1240		ug/L		124	66 - 140	2	42

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*125*		*50 - 150*

Lab Sample ID: MB 490-169803/9 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100		ug/L			06/16/14 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*101*		*50 - 150*		*06/16/14 10:40*	*1*

Lab Sample ID: LCS 490-169803/7 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	1000	976.9		ug/L		98	66 - 140

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) (Continued)

Lab Sample ID: LCS 490-169803/7
Matrix: Water
Analysis Batch: 169803

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	95		50 - 150

Lab Sample ID: LCSD 490-169803/8
Matrix: Water
Analysis Batch: 169803

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
Gasoline Range Organics [C6 - C10]			1000	964.6		ug/L		96	66 - 140	1	42

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	98		50 - 150

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Lab Sample ID: MB 490-168854/1-A
Matrix: Water
Analysis Batch: 170130

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 168854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		100		ug/L		06/12/14 08:04	06/17/14 21:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	72		50 - 150	06/12/14 08:04	06/17/14 21:06	1

Lab Sample ID: LCS 490-168854/2-A
Matrix: Water
Analysis Batch: 170130

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 168854

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			800	633.9		ug/L		79	46 - 132		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	71		50 - 150

Lab Sample ID: LCSD 490-168854/3-A
Matrix: Water
Analysis Batch: 170130

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 168854

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			800	763.7		ug/L		95	46 - 132	19	31

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl (Surr)	83		50 - 150

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) (Continued)

Lab Sample ID: MB 490-169286/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 170742 — **Prep Batch: 169286**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		100		ug/L		06/13/14 09:35	06/18/14 17:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*38*	*X*	*50 - 150*	*06/13/14 09:35*	*06/18/14 17:26*	*1*

Lab Sample ID: LCS 490-169286/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 170742 — **Prep Batch: 169286**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	800	719.2		ug/L		90	46 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*82*		*50 - 150*

Lab Sample ID: MB 490-171301/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 171254 — **Prep Batch: 171301**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		100		ug/L		06/20/14 13:04	06/20/14 18:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*51*		*50 - 150*	*06/20/14 13:04*	*06/20/14 18:12*	*1*

Lab Sample ID: LCS 490-171301/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 171254 — **Prep Batch: 171301**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	800	781.2		ug/L		98	46 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*99*		*50 - 150*

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

GC/MS VOA

Analysis Batch: 169198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-1	MW-5(060614)	Total/NA	Water	8260B	
490-54860-1 MS	MW-5(060614)	Total/NA	Water	8260B	
490-54860-1 MSD	MW-5(060614)	Total/NA	Water	8260B	
490-54860-2	MW-6(060614)	Total/NA	Water	8260B	
490-54860-3	MW-11(060614)	Total/NA	Water	8260B	
490-54860-4	MW-13A(060614)	Total/NA	Water	8260B	
490-54860-5	MW-14A(060614)	Total/NA	Water	8260B	
490-54860-6	MW-37(060614)	Total/NA	Water	8260B	
490-54860-7	MW-38(060614)	Total/NA	Water	8260B	
490-54860-8	MW-46(060614)	Total/NA	Water	8260B	
490-54860-9	MW-48(060614)	Total/NA	Water	8260B	
490-54860-10	MW-50(060614)	Total/NA	Water	8260B	
490-54860-11	MW-51(060614)	Total/NA	Water	8260B	
490-54860-12	MW-53D(060614)	Total/NA	Water	8260B	
490-54860-14	MW-53S(060614)	Total/NA	Water	8260B	
LCS 490-169198/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-169198/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-169198/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 169565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-13	MW-53I(060614)	Total/NA	Water	8260B	
490-54860-14	MW-53S(060614)	Total/NA	Water	8260B	
490-54860-14	MW-53S(060614)	Total/NA	Water	8260B	
490-54860-15	MW-54S(060614)	Total/NA	Water	8260B	
LCS 490-169565/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-169565/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-169565/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 169757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54583-B-5 MS	Matrix Spike	Total/NA	Water	8260B	
490-54583-C-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
490-54860-16	MW-54D(060614)	Total/NA	Water	8260B	
490-54860-17	MW-55D(060614)	Total/NA	Water	8260B	
490-54860-18	MW-55I(060614)	Total/NA	Water	8260B	
490-54860-20	RW-52(060614)	Total/NA	Water	8260B	
490-54860-21	VW-01(060614)	Total/NA	Water	8260B	
490-54860-22	VW-02(060614)	Total/NA	Water	8260B	
490-54860-23	VW-03(060614)	Total/NA	Water	8260B	
490-54860-24	MP-1(060614)	Total/NA	Water	8260B	
490-54860-25	MP-2(060614)	Total/NA	Water	8260B	
490-54860-26	DPE-1(060614)	Total/NA	Water	8260B	
490-54860-29	RB-1(060614)	Total/NA	Water	8260B	
490-54860-30	Trip Blank 1	Total/NA	Water	8260B	
490-54860-31	Trip Blank 2	Total/NA	Water	8260B	
LCS 490-169757/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-169757/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-169757/8	Method Blank	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 169777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-27	DUP-1(060614)	Total/NA	Water	8260B	
490-54860-28	DUP-2(060614)	Total/NA	Water	8260B	
490-54975-B-8 MS	Matrix Spike	Total/NA	Water	8260B	
490-54975-C-8 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-169777/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-169777/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-169777/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 170418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-18	MW-55I(060614)	Total/NA	Water	8260B	
490-54860-18	MW-55I(060614)	Total/NA	Water	8260B	
490-54860-19	MW-55S(060614)	Total/NA	Water	8260B	
490-54860-19	MW-55S(060614)	Total/NA	Water	8260B	
490-54860-24	MP-1(060614)	Total/NA	Water	8260B	
490-54860-26	DPE-1(060614)	Total/NA	Water	8260B	
490-54860-26	DPE-1(060614)	Total/NA	Water	8260B	
490-54860-27	DUP-1(060614)	Total/NA	Water	8260B	
490-54860-27	DUP-1(060614)	Total/NA	Water	8260B	
490-54860-28	DUP-2(060614)	Total/NA	Water	8260B	
490-54860-28	DUP-2(060614)	Total/NA	Water	8260B	
LCS 490-170418/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-170418/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-170418/7	Method Blank	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 169212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-1	MW-5(060614)	Total/NA	Water	8015C	
490-54860-1 MS	MW-5(060614)	Total/NA	Water	8015C	
490-54860-1 MSD	MW-5(060614)	Total/NA	Water	8015C	
490-54860-2	MW-6(060614)	Total/NA	Water	8015C	
490-54860-3	MW-11(060614)	Total/NA	Water	8015C	
490-54860-4	MW-13A(060614)	Total/NA	Water	8015C	
490-54860-5	MW-14A(060614)	Total/NA	Water	8015C	
490-54860-6	MW-37(060614)	Total/NA	Water	8015C	
490-54860-7	MW-38(060614)	Total/NA	Water	8015C	
490-54860-8	MW-46(060614)	Total/NA	Water	8015C	
490-54860-9	MW-48(060614)	Total/NA	Water	8015C	
490-54860-10	MW-50(060614)	Total/NA	Water	8015C	
490-54860-11	MW-51(060614)	Total/NA	Water	8015C	
490-54860-12	MW-53D(060614)	Total/NA	Water	8015C	
490-54860-13	MW-53I(060614)	Total/NA	Water	8015C	
490-54860-15	MW-54S(060614)	Total/NA	Water	8015C	
490-54860-16	MW-54D(060614)	Total/NA	Water	8015C	
490-54860-17	MW-55D(060614)	Total/NA	Water	8015C	
490-54860-19	MW-55S(060614)	Total/NA	Water	8015C	
490-54860-20	RW-52(060614)	Total/NA	Water	8015C	
LCS 490-169212/6	Lab Control Sample	Total/NA	Water	8015C	

GC VOA (Continued)

Analysis Batch: 169212 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-169212/7	Lab Control Sample Dup	Total/NA	Water	8015C	
MB 490-169212/8	Method Blank	Total/NA	Water	8015C	

Analysis Batch: 169412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-22	VW-02(060614)	Total/NA	Water	8015C	
490-54860-23	VW-03(060614)	Total/NA	Water	8015C	
490-54860-23 MS	VW-03(060614)	Total/NA	Water	8015C	
490-54860-23 MSD	VW-03(060614)	Total/NA	Water	8015C	
490-54860-25	MP-2(060614)	Total/NA	Water	8015C	
490-54860-29	RB-1(060614)	Total/NA	Water	8015C	
LCS 490-169412/4	Lab Control Sample	Total/NA	Water	8015C	
MB 490-169412/8	Method Blank	Total/NA	Water	8015C	

Analysis Batch: 169641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-21	VW-01(060614)	Total/NA	Water	8015C	
490-54860-24	MP-1(060614)	Total/NA	Water	8015C	
490-54860-26	DPE-1(060614)	Total/NA	Water	8015C	
490-54860-27	DUP-1(060614)	Total/NA	Water	8015C	
490-54860-28	DUP-2(060614)	Total/NA	Water	8015C	
LCS 490-169641/4	Lab Control Sample	Total/NA	Water	8015C	
LCSD 490-169641/6	Lab Control Sample Dup	Total/NA	Water	8015C	
MB 490-169641/8	Method Blank	Total/NA	Water	8015C	

Analysis Batch: 169803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-14	MW-53S(060614)	Total/NA	Water	8015C	
490-54860-18	MW-55I(060614)	Total/NA	Water	8015C	
LCS 490-169803/7	Lab Control Sample	Total/NA	Water	8015C	
LCSD 490-169803/8	Lab Control Sample Dup	Total/NA	Water	8015C	
MB 490-169803/9	Method Blank	Total/NA	Water	8015C	

GC Semi VOA

Prep Batch: 168854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-1	MW-5(060614)	Total/NA	Water	3510C	
490-54860-2	MW-6(060614)	Total/NA	Water	3510C	
490-54860-3	MW-11(060614)	Total/NA	Water	3510C	
490-54860-4	MW-13A(060614)	Total/NA	Water	3510C	
490-54860-5	MW-14A(060614)	Total/NA	Water	3510C	
490-54860-6	MW-37(060614)	Total/NA	Water	3510C	
490-54860-7	MW-38(060614)	Total/NA	Water	3510C	
490-54860-8	MW-46(060614)	Total/NA	Water	3510C	
490-54860-9	MW-48(060614)	Total/NA	Water	3510C	
490-54860-10	MW-50(060614)	Total/NA	Water	3510C	
490-54860-11	MW-51(060614)	Total/NA	Water	3510C	
490-54860-12	MW-53D(060614)	Total/NA	Water	3510C	
LCS 490-168854/2-A	Lab Control Sample	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 168854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-168854/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 490-168854/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 169286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-13	MW-53I(060614)	Total/NA	Water	3510C	
490-54860-14	MW-53S(060614)	Total/NA	Water	3510C	
490-54860-16	MW-54D(060614)	Total/NA	Water	3510C	
490-54860-17	MW-55D(060614)	Total/NA	Water	3510C	
490-54860-18	MW-55I(060614)	Total/NA	Water	3510C	
490-54860-20	RW-52(060614)	Total/NA	Water	3510C	
490-54860-21	VW-01(060614)	Total/NA	Water	3510C	
490-54860-22	VW-02(060614)	Total/NA	Water	3510C	
490-54860-23	VW-03(060614)	Total/NA	Water	3510C	
490-54860-26	DPE-1(060614)	Total/NA	Water	3510C	
490-54860-27	DUP-1(060614)	Total/NA	Water	3510C	
490-54860-28	DUP-2(060614)	Total/NA	Water	3510C	
490-54860-29	RB-1(060614)	Total/NA	Water	3510C	
LCS 490-169286/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-169286/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 170130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-1	MW-5(060614)	Total/NA	Water	8015C	168854
490-54860-2	MW-6(060614)	Total/NA	Water	8015C	168854
490-54860-3	MW-11(060614)	Total/NA	Water	8015C	168854
490-54860-4	MW-13A(060614)	Total/NA	Water	8015C	168854
490-54860-5	MW-14A(060614)	Total/NA	Water	8015C	168854
490-54860-6	MW-37(060614)	Total/NA	Water	8015C	168854
490-54860-7	MW-38(060614)	Total/NA	Water	8015C	168854
490-54860-8	MW-46(060614)	Total/NA	Water	8015C	168854
490-54860-9	MW-48(060614)	Total/NA	Water	8015C	168854
490-54860-10	MW-50(060614)	Total/NA	Water	8015C	168854
490-54860-11	MW-51(060614)	Total/NA	Water	8015C	168854
490-54860-12	MW-53D(060614)	Total/NA	Water	8015C	168854
LCS 490-168854/2-A	Lab Control Sample	Total/NA	Water	8015C	168854
LCSD 490-168854/3-A	Lab Control Sample Dup	Total/NA	Water	8015C	168854
MB 490-168854/1-A	Method Blank	Total/NA	Water	8015C	168854

Analysis Batch: 170742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-13	MW-53I(060614)	Total/NA	Water	8015C	169286
490-54860-14	MW-53S(060614)	Total/NA	Water	8015C	169286
490-54860-16	MW-54D(060614)	Total/NA	Water	8015C	169286
490-54860-17	MW-55D(060614)	Total/NA	Water	8015C	169286
490-54860-18	MW-55I(060614)	Total/NA	Water	8015C	169286
490-54860-20	RW-52(060614)	Total/NA	Water	8015C	169286
490-54860-21	VW-01(060614)	Total/NA	Water	8015C	169286
490-54860-22	VW-02(060614)	Total/NA	Water	8015C	169286
490-54860-23	VW-03(060614)	Total/NA	Water	8015C	169286
490-54860-27	DUP-1(060614)	Total/NA	Water	8015C	169286

GC Semi VOA (Continued)

Analysis Batch: 170742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-28	DUP-2(060614)	Total/NA	Water	8015C	169286
490-54860-29	RB-1(060614)	Total/NA	Water	8015C	169286
LCS 490-169286/2-A	Lab Control Sample	Total/NA	Water	8015C	169286
MB 490-169286/1-A	Method Blank	Total/NA	Water	8015C	169286

Analysis Batch: 171016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-26	DPE-1(060614)	Total/NA	Water	8015C	169286

Analysis Batch: 171254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-15	MW-54S(060614)	Total/NA	Water	8015C	171301
490-54860-19	MW-55S(060614)	Total/NA	Water	8015C	171301
490-54860-24	MP-1(060614)	Total/NA	Water	8015C	171301
490-54860-25	MP-2(060614)	Total/NA	Water	8015C	171301
LCS 490-171301/2-A	Lab Control Sample	Total/NA	Water	8015C	171301
MB 490-171301/1-A	Method Blank	Total/NA	Water	8015C	171301

Prep Batch: 171301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-54860-15	MW-54S(060614)	Total/NA	Water	3510C	
490-54860-19	MW-55S(060614)	Total/NA	Water	3510C	
490-54860-24	MP-1(060614)	Total/NA	Water	3510C	
490-54860-25	MP-2(060614)	Total/NA	Water	3510C	
LCS 490-171301/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-171301/1-A	Method Blank	Total/NA	Water	3510C	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-5(060614)

Lab Sample ID: 490-54860-1
Date Collected: 06/06/14 14:55
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 13:36	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/13/14 16:51	GWM	TAL NSH
Total/NA	Prep	3510C			270 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	270 mL	1 mL	170130	06/17/14 22:54	JPS	TAL NSH

Client Sample ID: MW-6(060614)

Lab Sample ID: 490-54860-2
Date Collected: 06/06/14 16:30
Matrix: Water
Date Received: 06/07/14 08:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	10 mL	10 mL	169198	06/13/14 14:02	WC1	TAL NSH
Total/NA	Analysis	8015C		10	5 mL	5 mL	169212	06/13/14 18:24	GWM	TAL NSH
Total/NA	Prep	3510C			240 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	240 mL	1 mL	170130	06/17/14 23:09	JPS	TAL NSH

Client Sample ID: MW-11(060614)

Lab Sample ID: 490-54860-3
Date Collected: 06/06/14 13:20
Matrix: Water
Date Received: 06/07/14 08:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	10 mL	10 mL	169198	06/13/14 14:28	WC1	TAL NSH
Total/NA	Analysis	8015C		5	5 mL	5 mL	169212	06/13/14 18:54	GWM	TAL NSH
Total/NA	Prep	3510C			265 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	265 mL	1 mL	170130	06/17/14 23:55	JPS	TAL NSH

Client Sample ID: MW-13A(060614)

Lab Sample ID: 490-54860-4
Date Collected: 06/06/14 12:20
Matrix: Water
Date Received: 06/07/14 08:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	10 mL	10 mL	169198	06/13/14 14:54	WC1	TAL NSH
Total/NA	Analysis	8015C		10	5 mL	5 mL	169212	06/13/14 19:25	GWM	TAL NSH
Total/NA	Prep	3510C			235 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	235 mL	1 mL	170130	06/18/14 00:10	JPS	TAL NSH

Client Sample ID: MW-14A(060614)

Lab Sample ID: 490-54860-5
Date Collected: 06/06/14 12:50
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 15:20	WC1	TAL NSH
Total/NA	Analysis	8015C		5	5 mL	5 mL	169212	06/13/14 19:56	GWM	TAL NSH

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-14A(060614)

Lab Sample ID: 490-54860-5
Date Collected: 06/06/14 12:50
Matrix: Water
Date Received: 06/07/14 08:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	270 mL	1 mL	170130	06/18/14 00:25	JPS	TAL NSH

Client Sample ID: MW-37(060614)

Lab Sample ID: 490-54860-6
Date Collected: 06/06/14 10:30
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 15:46	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/13/14 20:27	GWM	TAL NSH
Total/NA	Prep	3510C			270 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	270 mL	1 mL	170130	06/18/14 00:40	JPS	TAL NSH

Client Sample ID: MW-38(060614)

Lab Sample ID: 490-54860-7
Date Collected: 06/06/14 10:40
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 16:12	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/13/14 20:57	GWM	TAL NSH
Total/NA	Prep	3510C			275 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	275 mL	1 mL	170130	06/18/14 00:55	JPS	TAL NSH

Client Sample ID: MW-46(060614)

Lab Sample ID: 490-54860-8
Date Collected: 06/06/14 12:30
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 16:37	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/13/14 21:28	GWM	TAL NSH
Total/NA	Prep	3510C			280 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	280 mL	1 mL	170130	06/18/14 02:27	JPS	TAL NSH

Client Sample ID: MW-48(060614)

Lab Sample ID: 490-54860-9
Date Collected: 06/06/14 12:25
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 17:03	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/13/14 21:59	GWM	TAL NSH
Total/NA	Prep	3510C			270 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	270 mL	1 mL	170130	06/18/14 01:10	JPS	TAL NSH

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-50(060614)

Lab Sample ID: 490-54860-10
Date Collected: 06/06/14 14:35
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 17:29	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/13/14 22:29	GWM	TAL NSH
Total/NA	Prep	3510C			275 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	275 mL	1 mL	170130	06/18/14 01:26	JPS	TAL NSH

Client Sample ID: MW-51(060614)

Lab Sample ID: 490-54860-11
Date Collected: 06/06/14 16:25
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 17:55	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/13/14 23:00	GWM	TAL NSH
Total/NA	Prep	3510C			275 mL	1 mL	168854	06/12/14 08:04	LSR	TAL NSH
Total/NA	Analysis	8015C		1	275 mL	1 mL	170130	06/18/14 01:41	JPS	TAL NSH

Client Sample ID: MW-53D(060614)

Lab Sample ID: 490-54860-12
Date Collected: 06/06/14 16:00
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 18:21	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/13/14 23:31	GWM	TAL NSH
Total/NA	Prep	3510C			285 mL	1 mL	168854	06/12/14 08:26	LSR	TAL NSH
Total/NA	Analysis	8015C		1	285 mL	1 mL	170130	06/18/14 01:56	JPS	TAL NSH

Client Sample ID: MW-53I(060614)

Lab Sample ID: 490-54860-13
Date Collected: 06/06/14 15:50
Matrix: Water
Date Received: 06/07/14 08:20

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	169565	06/14/14 05:37	WC1	TAL NSH
Total/NA	Analysis	8015C		5	5 mL	5 mL	169212	06/14/14 00:01	GWM	TAL NSH
Total/NA	Prep	3510C			260 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		1	260 mL	1.0 mL	170742	06/18/14 18:43	JPS	TAL NSH

Client Sample ID: MW-53S(060614)

Lab Sample ID: 490-54860-14
Date Collected: 06/06/14 16:05
Matrix: Water
Date Received: 06/07/14 08:20

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	169198	06/13/14 19:13	WC1	TAL NSH
Total/NA	Analysis	8260B		10	10 mL	10 mL	169565	06/14/14 09:03	WC1	TAL NSH

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-53S(060614)

Lab Sample ID: 490-54860-14
Date Collected: 06/06/14 16:05
Matrix: Water
Date Received: 06/07/14 08:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	10 mL	10 mL	169565	06/14/14 09:29	WC1	TAL NSH
Total/NA	Analysis	8015C		50	5 mL	5 mL	169803	06/16/14 11:41	GWM	TAL NSH
Total/NA	Prep	3510C			275 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		2	275 mL	1.0 mL	170742	06/19/14 10:38	JPS	TAL NSH

Client Sample ID: MW-54S(060614)

Lab Sample ID: 490-54860-15
Date Collected: 06/06/14 13:05
Matrix: Water
Date Received: 06/07/14 08:20

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	169565	06/14/14 06:03	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/14/14 01:03	GWM	TAL NSH
Total/NA	Prep	3510C			270 mL	1.0 mL	171301	06/20/14 13:04	FXM	TAL NSH
Total/NA	Analysis	8015C		1	270 mL	1.0 mL	171254	06/20/14 18:42	GMH	TAL NSH

Client Sample ID: MW-54D(060614)

Lab Sample ID: 490-54860-16
Date Collected: 06/06/14 13:10
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 00:40	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/14/14 01:33	GWM	TAL NSH
Total/NA	Prep	3510C			265 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		1	265 mL	1.0 mL	170742	06/18/14 19:29	JPS	TAL NSH

Client Sample ID: MW-55D(060614)

Lab Sample ID: 490-54860-17
Date Collected: 06/06/14 11:55
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 01:06	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/14/14 02:04	GWM	TAL NSH
Total/NA	Prep	3510C			280 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		1	280 mL	1.0 mL	170742	06/18/14 19:45	JPS	TAL NSH

Client Sample ID: MW-55I(060614)

Lab Sample ID: 490-54860-18
Date Collected: 06/06/14 12:00
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 01:32	WC1	TAL NSH
Total/NA	Analysis	8260B		10	10 mL	10 mL	170418	06/18/14 02:53	WC1	TAL NSH

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: MW-55I(060614)

Lab Sample ID: 490-54860-18
Date Collected: 06/06/14 12:00
Matrix: Water
Date Received: 06/07/14 08:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	10 mL	10 mL	170418	06/18/14 03:19	WC1	TAL NSH
Total/NA	Analysis	8015C		50	5 mL	5 mL	169803	06/16/14 11:11	GWM	TAL NSH
Total/NA	Prep	3510C			270 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		4	270 mL	1.0 mL	170742	06/19/14 10:53	JPS	TAL NSH

Client Sample ID: MW-55S(060614)

Lab Sample ID: 490-54860-19
Date Collected: 06/06/14 12:05
Matrix: Water
Date Received: 06/07/14 08:20

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	170418	06/18/14 00:16	WC1	TAL NSH
Total/NA	Analysis	8260B		10	10 mL	10 mL	170418	06/18/14 00:42	WC1	TAL NSH
Total/NA	Analysis	8015C		10	5 mL	5 mL	169212	06/14/14 03:05	GWM	TAL NSH
Total/NA	Prep	3510C			260 mL	1.0 mL	171301	06/20/14 13:04	FXM	TAL NSH
Total/NA	Analysis	8015C		1	260 mL	1.0 mL	171254	06/20/14 18:57	GMH	TAL NSH

Client Sample ID: RW-52(060614)

Lab Sample ID: 490-54860-20
Date Collected: 06/06/14 10:50
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 02:24	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169212	06/14/14 03:36	GWM	TAL NSH
Total/NA	Prep	3510C			260 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		1	260 mL	1.0 mL	170742	06/18/14 20:31	JPS	TAL NSH

Client Sample ID: VW-01(060614)

Lab Sample ID: 490-54860-21
Date Collected: 06/06/14 16:40
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 02:50	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169641	06/14/14 19:03	KML	TAL NSH
Total/NA	Prep	3510C			255 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		1	255 mL	1.0 mL	170742	06/18/14 20:46	JPS	TAL NSH

Client Sample ID: VW-02(060614)

Lab Sample ID: 490-54860-22
Date Collected: 06/06/14 15:45
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 03:16	WC1	TAL NSH

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: VW-02(060614)

Lab Sample ID: 490-54860-22
Date Collected: 06/06/14 15:45
Matrix: Water
Date Received: 06/07/14 08:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015C		1	5 mL	5 mL	169412	06/14/14 03:28	KML	TAL NSH
Total/NA	Prep	3510C			265 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		1	265 mL	1.0 mL	170742	06/18/14 21:02	JPS	TAL NSH

Client Sample ID: VW-03(060614)

Lab Sample ID: 490-54860-23
Date Collected: 06/06/14 14:45
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 03:42	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169412	06/14/14 04:39	KML	TAL NSH
Total/NA	Prep	3510C			260 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		1	260 mL	1.0 mL	170742	06/18/14 23:20	JPS	TAL NSH

Client Sample ID: MP-1(060614)

Lab Sample ID: 490-54860-24
Date Collected: 06/06/14 15:30
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 04:08	WC1	TAL NSH
Total/NA	Analysis	8260B		10	10 mL	10 mL	170418	06/18/14 01:08	WC1	TAL NSH
Total/NA	Analysis	8015C		20	5 mL	5 mL	169641	06/14/14 19:34	KML	TAL NSH
Total/NA	Prep	3510C			260 mL	1.0 mL	171301	06/20/14 13:04	FXM	TAL NSH
Total/NA	Analysis	8015C		1	260 mL	1.0 mL	171254	06/20/14 19:12	GMH	TAL NSH

Client Sample ID: MP-2(060614)

Lab Sample ID: 490-54860-25
Date Collected: 06/06/14 15:10
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 04:34	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169412	06/14/14 07:01	KML	TAL NSH
Total/NA	Prep	3510C			255 mL	1.0 mL	171301	06/20/14 13:04	FXM	TAL NSH
Total/NA	Analysis	8015C		1	255 mL	1.0 mL	171254	06/20/14 19:27	GMH	TAL NSH

Client Sample ID: DPE-1(060614)

Lab Sample ID: 490-54860-26
Date Collected: 06/06/14 15:15
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/15/14 05:00	WC1	TAL NSH
Total/NA	Analysis	8260B		10	10 mL	10 mL	170418	06/18/14 03:45	WC1	TAL NSH

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: DPE-1(060614)

Lab Sample ID: 490-54860-26

Date Collected: 06/06/14 15:15
Matrix: Water
Date Received: 06/07/14 08:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	10 mL	10 mL	170418	06/18/14 04:11	WC1	TAL NSH
Total/NA	Analysis	8015C		50	5 mL	5 mL	169641	06/14/14 20:06	KML	TAL NSH
Total/NA	Prep	3510C			255 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		5	255 mL	1.0 mL	171016	06/19/14 16:26	JPS	TAL NSH

Client Sample ID: DUP-1(060614)

Lab Sample ID: 490-54860-27

Date Collected: 06/06/14 12:00
Matrix: Water
Date Received: 06/07/14 08:20

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	169777	06/15/14 11:02	WC1	TAL NSH
Total/NA	Analysis	8260B		10	10 mL	10 mL	170418	06/18/14 04:37	WC1	TAL NSH
Total/NA	Analysis	8260B		100	10 mL	10 mL	170418	06/18/14 05:02	WC1	TAL NSH
Total/NA	Analysis	8015C		50	5 mL	5 mL	169641	06/14/14 20:37	KML	TAL NSH
Total/NA	Prep	3510C			270 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		4	270 mL	1.0 mL	170742	06/19/14 12:31	JPS	TAL NSH

Client Sample ID: DUP-2(060614)

Lab Sample ID: 490-54860-28

Date Collected: 06/06/14 13:00
Matrix: Water
Date Received: 06/07/14 08:20

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	169777	06/15/14 11:28	WC1	TAL NSH
Total/NA	Analysis	8260B		20	10 mL	10 mL	170418	06/18/14 05:54	WC1	TAL NSH
Total/NA	Analysis	8260B		200	10 mL	10 mL	170418	06/18/14 06:20	WC1	TAL NSH
Total/NA	Analysis	8015C		50	5 mL	5 mL	169641	06/14/14 21:08	KML	TAL NSH
Total/NA	Prep	3510C			255 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		4	255 mL	1.0 mL	170742	06/19/14 11:23	JPS	TAL NSH

Client Sample ID: RB-1(060614)

Lab Sample ID: 490-54860-29

Date Collected: 06/06/14 18:35
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/14/14 22:31	WC1	TAL NSH
Total/NA	Analysis	8015C		1	5 mL	5 mL	169412	06/14/14 04:03	KML	TAL NSH
Total/NA	Prep	3510C			255 mL	1.0 mL	169286	06/13/14 09:35	CLM	TAL NSH
Total/NA	Analysis	8015C		1	255 mL	1.0 mL	170742	06/18/14 23:05	JPS	TAL NSH

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Client Sample ID: Trip Blank 1

Lab Sample ID: 490-54860-30

Date Collected: 06/06/14 00:01
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/14/14 22:05	WC1	TAL NSH

Client Sample ID: Trip Blank 2

Lab Sample ID: 490-54860-31

Date Collected: 06/06/14 00:01
Matrix: Water
Date Received: 06/07/14 08:20

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	169757	06/14/14 21:39	WC1	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: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8015C	Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)	SW846	TAL NSH
8015C	Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	SW846	TAL NSH

Protocol References:

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: #25553 - Thurmont, MD

TestAmerica Job ID: 490-54860-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	ISO/IEC 17025		0453.07	12-31-15
Alaska (UST)	State Program	10	UST-087	07-24-14
Arizona	State Program	9	AZ0473	05-05-15
Arkansas DEQ	State Program	6	88-0737	04-25-15
California	NELAP	9	1168CA	10-31-14
Connecticut	State Program	1	PH-0220	12-31-15
Florida	NELAP	4	E87358	06-30-14 *
Illinois	NELAP	5	200010	12-09-14
Iowa	State Program	7	131	05-01-14 *
Kansas	NELAP	7	E-10229	10-31-14
Kentucky (UST)	State Program	4	19	06-30-14 *
Louisiana	NELAP	6	30613	06-30-14 *
Maryland	State Program	3	316	03-31-15
Massachusetts	State Program	1	M-TN032	06-30-14 *
Minnesota	NELAP	5	047-999-345	12-31-14
Mississippi	State Program	4	N/A	06-30-14 *
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-14
New Hampshire	NELAP	1	2963	10-09-14
New Jersey	NELAP	2	TN965	06-30-15
New York	NELAP	2	11342	03-31-15
North Carolina (WW/SW)	State Program	4	387	12-31-14
North Dakota	State Program	8	R-146	06-30-14 *
Ohio VAP	State Program	5	CL0033	10-16-15
Oklahoma	State Program	6	9412	08-31-14
Oregon	NELAP	10	TN200001	04-29-15
Pennsylvania	NELAP	3	68-00585	06-30-15
Rhode Island	State Program	1	LAO00268	12-30-14
South Carolina	State Program	4	84009 (001)	02-28-14 *
South Carolina (DW)	State Program	4	84009 (002)	02-23-17
Tennessee	State Program	4	2008	02-23-17
Texas	NELAP	6	T104704077	08-31-14
USDA	Federal		S-48469	10-30-16
Utah	NELAP	8	TN00032	07-31-14
Virginia	NELAP	3	460152	06-14-15
Washington	State Program	10	C789	07-19-14
West Virginia DEP	State Program	3	219	02-28-15
Wisconsin	State Program	5	998020430	08-31-14
Wyoming (UST)	A2LA	8	453.07	12-31-15

* Certification renewal pending - certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

490-54860 Chain of Custody

Cooler Received/Opened On 6/7/2014 @ 0820

1. Tracking # 9771 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 4.2 *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 # 1

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

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) AJH

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) AJH

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 490
54860

COOLER RECEIPT FORM

Cooler Received/Opened On: 6/7/2014 @08:20

1. Tracking # 9304 (last 4 digits, FedEx)

Courier: Fed-Ex IR Gun ID: 14740456

2. Temperature of rep. sample or temp blank when opened: 1.3 *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) AJH

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 # 2

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

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) AJH

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) AJH

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 490
54860

COOLER RECEIPT FORM

Cooler Received/Opened On : 06/7/2014 @ 0820

1. Tracking #__9771__(last 4 digits, FedEx)

Courier: Fed-ex IR Gun: 96210146

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) ___

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) __AJH__

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) __AJH__

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) __AJH__

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Loc: 490
54860

Cooler Received/Opened On : 06/7/2014 @ 0820

1. Tracking # 9223 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun: 96210146

2. Temperature of rep. sample or temp blank when opened: 0.8 *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) LL

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) AJH

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) AJH

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) AJH

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Sarah Matteson	Lab PM: Huckaba, Jennifer	Carrier Tracking No(s):	COC No: 490-25220-6039.1
Client Contact: Mr. Rusty Kahl	Phone: 410-935-7555	E-Mail: jennifer.huckaba@testamericainc.com		Page: Page 1 of 3
Company: ARCADIS U.S., Inc.				Job #:
Address: 1114 Benfield Blvd. Suite A	Due Date Requested: —			
City: Millersville	TAT Requested (days): —			
State, Zip: MD, 21108				
Phone: 804-665-1074(Tel)	PO #: Purchase Order Requested			
Email: rusty.kahl@arcadis-us.com	WO #: —			
Project Name: #25553 - Thurmont, MD	Project #: 49001445			
Site: —	SSOW#: —			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015C_GRO_[illegible]	8015C_DRO - Diesel Range Organics (C10-C28)	8260B - BTEX + Oxygenates	Total Number of containers	Special Instructions/Note:
				Preservation Code:				A	N	A		
1	MW-5(060614)	6/6/14	1455	G	W			3	2	3	8	
2	MW-6(060614)	↓	1630	↓	↓			↓	↓	↓	↓	
3	MW-11(060614)		1320									
4	MW-13A(060614)		1220									
5	MW-14A(060614)		1250									Loc: 490 54860
6	MW-37(060614)	↓	1030	↓	↓			↓	↓	↓	↓	
7	MW-38(060614)		1040									
8	MW-46(060614)		1230									
9	MW-48(060614)		1225									
10	MW-50(060614)		1435									
11	MW-51(060614)	↓	1625	↓	↓			↓	↓	↓	↓	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	6/6/14 1900	ARCADIS	[signature]	6/7/14 8:20	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.7

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Sarah Matteson	Lab PM: Huckaba, Jennifer	Carrier Tracking No(s):	COC No: 490-25220-6039.2
Client Contact: Mr. Rusty Kahl	Phone: 410-935-7555	E-Mail: jennifer.huckaba@testamericainc.com		Page: Page 2 of 3
Company: ARCADIS U.S., Inc.				Job #:
Address: 1114 Benfield Blvd. Suite A	Due Date Requested: —			
City: Millersville	TAT Requested (days): —			
State, Zip: MD, 21108				
Phone: 804-665-1074(Tel)	PO #: Purchase Order Requested			
Email: rusty.kahl@arcadis-us.com	WO #: —			
Project Name: #25553 - Thurmont, MD	Project #: 49001445			
Site: —	SSOW#: —			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015C_GRO, 8015B	8015C_DRO - Diesel Range Organics (C10-C28)	8260B - BTEX + Oxygenates	Total Number of containers	Special Instructions/Note:
				Preservation Code:				A	N	A		
12	MW-53D (060614)	6/6/14	1600	G	W			3	2	3	8	
13	MW-53I (060614)	↓	1550	↓	↓			↓	↓	↓	↓	
14	MW-53S (060614)		1605									Parent Sample for DUP-2
15	MW-54S (060614)		1305									
16	MW-54D (060614)		1310									
17	MW-55D (060614)	↓	1155	↓	↓			↓	↓	↓	↓	Loc: 490 54860
18	MW-55I (060614)		1200									
19	MW-55S (060614)		1205									
20	RW-52 (060614)		1050									
21	VW-01 (060614)		1640									
22	VW-02 (060614)	↓	1545	↓	↓			↓	↓	↓	↓	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	6/6/14 / 1900	ARCADIS	[signature]	6/9/14 8:20	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.2

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Sarah Mentesan	Lab PM: Huckaba, Jennifer	Carrier Tracking No(s):	COC No: 490-25220-6039.3
Client Contact: Mr. Rusty Kahl	Phone: 410-935-7555	E-Mail: jennifer.huckaba@testamericainc.com		Page: Page 3 of 3
Company: ARCADIS U.S., Inc.				Job #:
Address: 1114 Benfield Blvd. Suite A	Due Date Requested: —			
City: Millersville	TAT Requested (days): —			
State, Zip: MD, 21108				
Phone: 804-665-1074(Tel)	PO #: Purchase Order Requested			
Email: rusty.kahl@arcadis-us.com	WO #: —			
Project Name: #25553 - Thurmont, MD	Project #: 49001445			
Site: —	SSOW#: —			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015C_GRO, [redacted]	8015C_DRO - Diesel Range Organics (C10-C28)	8260B - BTEX + Oxygenates	Total Number of containers	Special Instructions/Note:
				Preservation Code:				A	N	A		
23	VW-03 (060614)	6/6/14	1445	G	W			3	2	3	8	
24	MP-1 (060614)	↓	1530	↓	↓			↓	↓	↓	↓	
25	MP-2 (060614)	↓	1510	↓	↓			↓	↓	↓	↓	
26	DPE-1 (060614)	↓	1515	↓	↓			↓	↓	↓	↓	Parent sample for DUP-1
27	DUP-1 (060614)	↓	1200	↓	↓			↓	↓	↓	↓	
28	DUP-2 (060614)	↓	1300	↓	↓			↓	↓	↓	↓	
29	RB-1 (060614)	↓	1835	↓	↓			↓	↓	↓	↓	Loc: 490 54860
30	TB-1 (060614)	↓	—	G	W					2	2	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	6/6/14 1900	ARCADIS	[signature]	6/7/14 8:20	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.2

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 490-54860-1

Login Number: 54860
List Number: 1
Creator: Huskey, Adam

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	
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	

Appendix B

TestAmerica Laboratory Analytical Report (29 July 2014)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: 320-8513-1
Client Project/Site: Former ExxonMobil #25553

For:
ARCADIS U.S. Inc
1100 Welborne Drive
Suite 100
Richmond, Virginia 23229

Attn: Sterling Turner

Beth Riley

Authorized for release by:
7/29/2014 2:59:29 PM

Beth Riley, Project Manager II
(714)258-8610
beth.riley@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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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)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: Former ExxonMobil #25553

TestAmerica Job ID: 320-8513-1

Job ID: 320-8513-1

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative
320-8513-1

Receipt
The samples were received on 7/21/2014 2:00 PM; the samples arrived in good condition.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Former ExxonMobil #25553

TestAmerica Job ID: 320-8513-1

Client Sample ID: VP-1 (071714) — Lab Sample ID: 320-8513-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.4		5.0		ppb v/v	10		TO-15	Total/NA
Dichlorodifluoromethane	5.4		5.0		ppb v/v	10		TO-15	Total/NA
Toluene	11		2.0		ppb v/v	10		TO-15	Total/NA
Trichlorofluoromethane	7.0		2.0		ppb v/v	10		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.0		2.0		ppb v/v	10		TO-15	Total/NA
m,p-Xylene	5.6		5.0		ppb v/v	10		TO-15	Total/NA

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	19		15		ug/m3	10		TO-15	Total/NA
Dichlorodifluoromethane	27		25		ug/m3	10		TO-15	Total/NA
Toluene	41		7.5		ug/m3	10		TO-15	Total/NA
Trichlorofluoromethane	39		11		ug/m3	10		TO-15	Total/NA
1,2,4-Trimethylbenzene	9.7		9.8		ug/m3	10		TO-15	Total/NA
m,p-Xylene	24		22		ug/m3	10		TO-15	Total/NA

Client Sample ID: VP-2 (071714) — Lab Sample ID: 320-8513-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Toluene	9.4		2.0		ppb v/v	10		TO-15	Total/NA
Trichlorofluoromethane	2.0		2.0		ppb v/v	10		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.3		2.0		ppb v/v	10		TO-15	Total/NA
m,p-Xylene	7.1		5.0		ppb v/v	10		TO-15	Total/NA
o-Xylene	2.5		2.0		ppb v/v	10		TO-15	Total/NA

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Toluene	35		7.5		ug/m3	10		TO-15	Total/NA
Trichlorofluoromethane	11		11		ug/m3	10		TO-15	Total/NA
1,2,4-Trimethylbenzene	11		9.8		ug/m3	10		TO-15	Total/NA
m,p-Xylene	31		22		ug/m3	10		TO-15	Total/NA
o-Xylene	11		8.7		ug/m3	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Former ExxonMobil #25553

TestAmerica Job ID: 320-8513-1

Client Sample ID: VP-1 (071714)

Lab Sample ID: 320-8513-1

Date Collected: 07/17/14 10:05
Matrix: Air
Date Received: 07/21/14 14:00
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ppb v/v			07/25/14 21:28	10
Benzene	ND		2.0		ppb v/v			07/25/14 21:28	10
Benzyl chloride	ND		2.0		ppb v/v			07/25/14 21:28	10
Bromodichloromethane	ND		2.0		ppb v/v			07/25/14 21:28	10
Bromoform	ND		2.0		ppb v/v			07/25/14 21:28	10
Bromomethane	ND		2.0		ppb v/v			07/25/14 21:28	10
2-Butanone (MEK)	**6.4**		5.0		ppb v/v			07/25/14 21:28	10
Carbon disulfide	ND		5.0		ppb v/v			07/25/14 21:28	10
Carbon tetrachloride	ND		2.0		ppb v/v			07/25/14 21:28	10
Chlorobenzene	ND		2.0		ppb v/v			07/25/14 21:28	10
Chloroethane	ND		5.0		ppb v/v			07/25/14 21:28	10
Chloroform	ND		2.0		ppb v/v			07/25/14 21:28	10
Chloromethane	ND		5.0		ppb v/v			07/25/14 21:28	10
cis-1,2-Dichloroethene	ND		2.0		ppb v/v			07/25/14 21:28	10
cis-1,3-Dichloropropene	ND		2.0		ppb v/v			07/25/14 21:28	10
Dibromochloromethane	ND		2.0		ppb v/v			07/25/14 21:28	10
1,2-Dibromoethane (EDB)	ND		2.0		ppb v/v			07/25/14 21:28	10
1,2-Dichlorobenzene	ND		2.0		ppb v/v			07/25/14 21:28	10
1,3-Dichlorobenzene	ND		2.0		ppb v/v			07/25/14 21:28	10
1,4-Dichlorobenzene	ND		2.0		ppb v/v			07/25/14 21:28	10
Dichlorodifluoromethane	**5.4**		5.0		ppb v/v			07/25/14 21:28	10
1,1-Dichloroethane	ND		2.0		ppb v/v			07/25/14 21:28	10
1,2-Dichloroethane	ND		2.0		ppb v/v			07/25/14 21:28	10
1,1-Dichloroethene	ND		2.0		ppb v/v			07/25/14 21:28	10
1,2-Dichloropropane	ND		2.0		ppb v/v			07/25/14 21:28	10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0		ppb v/v			07/25/14 21:28	10
Ethylbenzene	ND		2.0		ppb v/v			07/25/14 21:28	10
4-Ethyltoluene	ND		2.0		ppb v/v			07/25/14 21:28	10
Hexachlorobutadiene	ND		2.0		ppb v/v			07/25/14 21:28	10
2-Hexanone	ND		5.0		ppb v/v			07/25/14 21:28	10
Methylene Chloride	ND		5.0		ppb v/v			07/25/14 21:28	10
4-Methyl-2-pentanone (MIBK)	ND		5.0		ppb v/v			07/25/14 21:28	10
Styrene	ND		2.0		ppb v/v			07/25/14 21:28	10
1,1,2,2-Tetrachloroethane	ND		2.0		ppb v/v			07/25/14 21:28	10
Tetrachloroethene	ND		2.0		ppb v/v			07/25/14 21:28	10
Toluene	**11**		2.0		ppb v/v			07/25/14 21:28	10
trans-1,2-Dichloroethene	ND		2.0		ppb v/v			07/25/14 21:28	10
trans-1,3-Dichloropropene	ND		2.0		ppb v/v			07/25/14 21:28	10
1,2,4-Trichlorobenzene	ND		5.0		ppb v/v			07/25/14 21:28	10
1,1,1-Trichloroethane	ND		2.0		ppb v/v			07/25/14 21:28	10
1,1,2-Trichloroethane	ND		2.0		ppb v/v			07/25/14 21:28	10
Trichloroethene	ND		2.0		ppb v/v			07/25/14 21:28	10
Trichlorofluoromethane	**7.0**		2.0		ppb v/v			07/25/14 21:28	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ppb v/v			07/25/14 21:28	10
1,2,4-Trimethylbenzene	**2.0**		2.0		ppb v/v			07/25/14 21:28	10
1,3,5-Trimethylbenzene	ND		2.0		ppb v/v			07/25/14 21:28	10
Vinyl acetate	ND		50		ppb v/v			07/25/14 21:28	10
Vinyl chloride	ND		2.0		ppb v/v			07/25/14 21:28	10

Client Sample ID: VP-1 (071714)

Lab Sample ID: 320-8513-1

Date Collected: 07/17/14 10:05

Matrix: Air

Date Received: 07/21/14 14:00

Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	**5.6**		5.0	ppb v/v			07/25/14 21:28	10
o-Xylene	ND		2.0	ppb v/v			07/25/14 21:28	10

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		120	ug/m3			07/25/14 21:28	10
Benzene	ND		6.4	ug/m3			07/25/14 21:28	10
Benzyl chloride	ND		10	ug/m3			07/25/14 21:28	10
Bromodichloromethane	ND		13	ug/m3			07/25/14 21:28	10
Bromoform	ND		21	ug/m3			07/25/14 21:28	10
Bromomethane	ND		7.8	ug/m3			07/25/14 21:28	10
2-Butanone (MEK)	**19**		15	ug/m3			07/25/14 21:28	10
Carbon disulfide	ND		16	ug/m3			07/25/14 21:28	10
Carbon tetrachloride	ND		13	ug/m3			07/25/14 21:28	10
Chlorobenzene	ND		9.2	ug/m3			07/25/14 21:28	10
Chloroethane	ND		13	ug/m3			07/25/14 21:28	10
Chloroform	ND		9.8	ug/m3			07/25/14 21:28	10
Chloromethane	ND		10	ug/m3			07/25/14 21:28	10
cis-1,2-Dichloroethene	ND		7.9	ug/m3			07/25/14 21:28	10
cis-1,3-Dichloropropene	ND		9.1	ug/m3			07/25/14 21:28	10
Dibromochloromethane	ND		17	ug/m3			07/25/14 21:28	10
1,2-Dibromoethane (EDB)	ND		15	ug/m3			07/25/14 21:28	10
1,2-Dichlorobenzene	ND		12	ug/m3			07/25/14 21:28	10
1,3-Dichlorobenzene	ND		12	ug/m3			07/25/14 21:28	10
1,4-Dichlorobenzene	ND		12	ug/m3			07/25/14 21:28	10
Dichlorodifluoromethane	**27**		25	ug/m3			07/25/14 21:28	10
1,1-Dichloroethane	ND		8.1	ug/m3			07/25/14 21:28	10
1,2-Dichloroethane	ND		8.1	ug/m3			07/25/14 21:28	10
1,1-Dichloroethene	ND		7.9	ug/m3			07/25/14 21:28	10
1,2-Dichloropropane	ND		9.2	ug/m3			07/25/14 21:28	10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14	ug/m3			07/25/14 21:28	10
Ethylbenzene	ND		8.7	ug/m3			07/25/14 21:28	10
4-Ethyltoluene	ND		9.8	ug/m3			07/25/14 21:28	10
Hexachlorobutadiene	ND		21	ug/m3			07/25/14 21:28	10
2-Hexanone	ND		20	ug/m3			07/25/14 21:28	10
Methylene Chloride	ND		17	ug/m3			07/25/14 21:28	10
4-Methyl-2-pentanone (MIBK)	ND		20	ug/m3			07/25/14 21:28	10
Styrene	ND		8.5	ug/m3			07/25/14 21:28	10
1,1,2,2-Tetrachloroethane	ND		14	ug/m3			07/25/14 21:28	10
Tetrachloroethene	ND		14	ug/m3			07/25/14 21:28	10
Toluene	**41**		7.5	ug/m3			07/25/14 21:28	10
trans-1,2-Dichloroethene	ND		7.9	ug/m3			07/25/14 21:28	10
trans-1,3-Dichloropropene	ND		9.1	ug/m3			07/25/14 21:28	10
1,2,4-Trichlorobenzene	ND		37	ug/m3			07/25/14 21:28	10
1,1,1-Trichloroethane	ND		11	ug/m3			07/25/14 21:28	10
1,1,2-Trichloroethane	ND		11	ug/m3			07/25/14 21:28	10
Trichloroethene	ND		11	ug/m3			07/25/14 21:28	10
Trichlorofluoromethane	**39**		11	ug/m3			07/25/14 21:28	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15	ug/m3			07/25/14 21:28	10
1,2,4-Trimethylbenzene	**9.7**		9.8	ug/m3			07/25/14 21:28	10

Client Sample ID: VP-1 (071714)

Lab Sample ID: 320-8513-1

Date Collected: 07/17/14 10:05
Matrix: Air
Date Received: 07/21/14 14:00
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		9.8	ug/m3			07/25/14 21:28	10
Vinyl acetate	ND		180	ug/m3			07/25/14 21:28	10
Vinyl chloride	ND		5.1	ug/m3			07/25/14 21:28	10
m,p-Xylene	**24**		22	ug/m3			07/25/14 21:28	10
o-Xylene	ND		8.7	ug/m3			07/25/14 21:28	10

Client Sample ID: VP-2 (071714)

Lab Sample ID: 320-8513-2

Date Collected: 07/17/14 10:21
Matrix: Air
Date Received: 07/21/14 14:00
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50	ppb v/v			07/25/14 22:17	10
Benzene	ND		2.0	ppb v/v			07/25/14 22:17	10
Benzyl chloride	ND		2.0	ppb v/v			07/25/14 22:17	10
Bromodichloromethane	ND		2.0	ppb v/v			07/25/14 22:17	10
Bromoform	ND		2.0	ppb v/v			07/25/14 22:17	10
Bromomethane	ND		2.0	ppb v/v			07/25/14 22:17	10
2-Butanone (MEK)	ND		5.0	ppb v/v			07/25/14 22:17	10
Carbon disulfide	ND		5.0	ppb v/v			07/25/14 22:17	10
Carbon tetrachloride	ND		2.0	ppb v/v			07/25/14 22:17	10
Chlorobenzene	ND		2.0	ppb v/v			07/25/14 22:17	10
Chloroethane	ND		5.0	ppb v/v			07/25/14 22:17	10
Chloroform	ND		2.0	ppb v/v			07/25/14 22:17	10
Chloromethane	ND		5.0	ppb v/v			07/25/14 22:17	10
cis-1,2-Dichloroethene	ND		2.0	ppb v/v			07/25/14 22:17	10
cis-1,3-Dichloropropene	ND		2.0	ppb v/v			07/25/14 22:17	10
Dibromochloromethane	ND		2.0	ppb v/v			07/25/14 22:17	10
1,2-Dibromoethane (EDB)	ND		2.0	ppb v/v			07/25/14 22:17	10
1,2-Dichlorobenzene	ND		2.0	ppb v/v			07/25/14 22:17	10
1,3-Dichlorobenzene	ND		2.0	ppb v/v			07/25/14 22:17	10
1,4-Dichlorobenzene	ND		2.0	ppb v/v			07/25/14 22:17	10
Dichlorodifluoromethane	ND		5.0	ppb v/v			07/25/14 22:17	10
1,1-Dichloroethane	ND		2.0	ppb v/v			07/25/14 22:17	10
1,2-Dichloroethane	ND		2.0	ppb v/v			07/25/14 22:17	10
1,1-Dichloroethene	ND		2.0	ppb v/v			07/25/14 22:17	10
1,2-Dichloropropane	ND		2.0	ppb v/v			07/25/14 22:17	10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb v/v			07/25/14 22:17	10
Ethylbenzene	ND		2.0	ppb v/v			07/25/14 22:17	10
4-Ethyltoluene	ND		2.0	ppb v/v			07/25/14 22:17	10
Hexachlorobutadiene	ND		2.0	ppb v/v			07/25/14 22:17	10
2-Hexanone	ND		5.0	ppb v/v			07/25/14 22:17	10
Methylene Chloride	ND		5.0	ppb v/v			07/25/14 22:17	10
4-Methyl-2-pentanone (MIBK)	ND		5.0	ppb v/v			07/25/14 22:17	10
Styrene	ND		2.0	ppb v/v			07/25/14 22:17	10
1,1,2,2-Tetrachloroethane	ND		2.0	ppb v/v			07/25/14 22:17	10
Tetrachloroethene	ND		2.0	ppb v/v			07/25/14 22:17	10
Toluene	**9.4**		2.0	ppb v/v			07/25/14 22:17	10

Client Sample ID: VP-2 (071714)

Lab Sample ID: 320-8513-2

Date Collected: 07/17/14 10:21
Matrix: Air
Date Received: 07/21/14 14:00
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0	ppb v/v			07/25/14 22:17	10
trans-1,3-Dichloropropene	ND		2.0	ppb v/v			07/25/14 22:17	10
1,2,4-Trichlorobenzene	ND		5.0	ppb v/v			07/25/14 22:17	10
1,1,1-Trichloroethane	ND		2.0	ppb v/v			07/25/14 22:17	10
1,1,2-Trichloroethane	ND		2.0	ppb v/v			07/25/14 22:17	10
Trichloroethene	ND		2.0	ppb v/v			07/25/14 22:17	10
Trichlorofluoromethane	**2.0**		2.0	ppb v/v			07/25/14 22:17	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb v/v			07/25/14 22:17	10
1,2,4-Trimethylbenzene	**2.3**		2.0	ppb v/v			07/25/14 22:17	10
1,3,5-Trimethylbenzene	ND		2.0	ppb v/v			07/25/14 22:17	10
Vinyl acetate	ND		50	ppb v/v			07/25/14 22:17	10
Vinyl chloride	ND		2.0	ppb v/v			07/25/14 22:17	10
m,p-Xylene	**7.1**		5.0	ppb v/v			07/25/14 22:17	10
o-Xylene	**2.5**		2.0	ppb v/v			07/25/14 22:17	10

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		120	ug/m3			07/25/14 22:17	10
Benzene	ND		6.4	ug/m3			07/25/14 22:17	10
Benzyl chloride	ND		10	ug/m3			07/25/14 22:17	10
Bromodichloromethane	ND		13	ug/m3			07/25/14 22:17	10
Bromoform	ND		21	ug/m3			07/25/14 22:17	10
Bromomethane	ND		7.8	ug/m3			07/25/14 22:17	10
2-Butanone (MEK)	ND		15	ug/m3			07/25/14 22:17	10
Carbon disulfide	ND		16	ug/m3			07/25/14 22:17	10
Carbon tetrachloride	ND		13	ug/m3			07/25/14 22:17	10
Chlorobenzene	ND		9.2	ug/m3			07/25/14 22:17	10
Chloroethane	ND		13	ug/m3			07/25/14 22:17	10
Chloroform	ND		9.8	ug/m3			07/25/14 22:17	10
Chloromethane	ND		10	ug/m3			07/25/14 22:17	10
cis-1,2-Dichloroethene	ND		7.9	ug/m3			07/25/14 22:17	10
cis-1,3-Dichloropropene	ND		9.1	ug/m3			07/25/14 22:17	10
Dibromochloromethane	ND		17	ug/m3			07/25/14 22:17	10
1,2-Dibromoethane (EDB)	ND		15	ug/m3			07/25/14 22:17	10
1,2-Dichlorobenzene	ND		12	ug/m3			07/25/14 22:17	10
1,3-Dichlorobenzene	ND		12	ug/m3			07/25/14 22:17	10
1,4-Dichlorobenzene	ND		12	ug/m3			07/25/14 22:17	10
Dichlorodifluoromethane	ND		25	ug/m3			07/25/14 22:17	10
1,1-Dichloroethane	ND		8.1	ug/m3			07/25/14 22:17	10
1,2-Dichloroethane	ND		8.1	ug/m3			07/25/14 22:17	10
1,1-Dichloroethene	ND		7.9	ug/m3			07/25/14 22:17	10
1,2-Dichloropropane	ND		9.2	ug/m3			07/25/14 22:17	10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14	ug/m3			07/25/14 22:17	10
Ethylbenzene	ND		8.7	ug/m3			07/25/14 22:17	10
4-Ethyltoluene	ND		9.8	ug/m3			07/25/14 22:17	10
Hexachlorobutadiene	ND		21	ug/m3			07/25/14 22:17	10
2-Hexanone	ND		20	ug/m3			07/25/14 22:17	10
Methylene Chloride	ND		17	ug/m3			07/25/14 22:17	10
4-Methyl-2-pentanone (MIBK)	ND		20	ug/m3			07/25/14 22:17	10
Styrene	ND		8.5	ug/m3			07/25/14 22:17	10

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Former ExxonMobil #25553

TestAmerica Job ID: 320-8513-1

Client Sample ID: VP-2 (071714)

Lab Sample ID: 320-8513-2

Date Collected: 07/17/14 10:21
Matrix: Air
Date Received: 07/21/14 14:00
Sample Container: Summa Canister 1L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		14		ug/m3			07/25/14 22:17	10
Tetrachloroethene	ND		14		ug/m3			07/25/14 22:17	10
Toluene	**35**		7.5		ug/m3			07/25/14 22:17	10
trans-1,2-Dichloroethene	ND		7.9		ug/m3			07/25/14 22:17	10
trans-1,3-Dichloropropene	ND		9.1		ug/m3			07/25/14 22:17	10
1,2,4-Trichlorobenzene	ND		37		ug/m3			07/25/14 22:17	10
1,1,1-Trichloroethane	ND		11		ug/m3			07/25/14 22:17	10
1,1,2-Trichloroethane	ND		11		ug/m3			07/25/14 22:17	10
Trichloroethene	ND		11		ug/m3			07/25/14 22:17	10
Trichlorofluoromethane	**11**		11		ug/m3			07/25/14 22:17	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/m3			07/25/14 22:17	10
1,2,4-Trimethylbenzene	**11**		9.8		ug/m3			07/25/14 22:17	10
1,3,5-Trimethylbenzene	ND		9.8		ug/m3			07/25/14 22:17	10
Vinyl acetate	ND		180		ug/m3			07/25/14 22:17	10
Vinyl chloride	ND		5.1		ug/m3			07/25/14 22:17	10
m,p-Xylene	**31**		22		ug/m3			07/25/14 22:17	10
o-Xylene	**11**		8.7		ug/m3			07/25/14 22:17	10

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-75323/5
Matrix: Air
Analysis Batch: 75323

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0		ppb v/v			07/25/14 15:31	1
Benzene	ND		0.20		ppb v/v			07/25/14 15:31	1
Benzyl chloride	ND		0.20		ppb v/v			07/25/14 15:31	1
Bromodichloromethane	ND		0.20		ppb v/v			07/25/14 15:31	1
Bromoform	ND		0.20		ppb v/v			07/25/14 15:31	1
Bromomethane	ND		0.20		ppb v/v			07/25/14 15:31	1
2-Butanone (MEK)	ND		0.50		ppb v/v			07/25/14 15:31	1
Carbon disulfide	ND		0.50		ppb v/v			07/25/14 15:31	1
Carbon tetrachloride	ND		0.20		ppb v/v			07/25/14 15:31	1
Chlorobenzene	ND		0.20		ppb v/v			07/25/14 15:31	1
Chloroethane	ND		0.50		ppb v/v			07/25/14 15:31	1
Chloroform	ND		0.20		ppb v/v			07/25/14 15:31	1
Chloromethane	ND		0.50		ppb v/v			07/25/14 15:31	1
cis-1,2-Dichloroethene	ND		0.20		ppb v/v			07/25/14 15:31	1
cis-1,3-Dichloropropene	ND		0.20		ppb v/v			07/25/14 15:31	1
Dibromochloromethane	ND		0.20		ppb v/v			07/25/14 15:31	1
1,2-Dibromoethane (EDB)	ND		0.20		ppb v/v			07/25/14 15:31	1
1,2-Dichlorobenzene	ND		0.20		ppb v/v			07/25/14 15:31	1
1,3-Dichlorobenzene	ND		0.20		ppb v/v			07/25/14 15:31	1
1,4-Dichlorobenzene	ND		0.20		ppb v/v			07/25/14 15:31	1
Dichlorodifluoromethane	ND		0.50		ppb v/v			07/25/14 15:31	1
1,1-Dichloroethane	ND		0.20		ppb v/v			07/25/14 15:31	1
1,2-Dichloroethane	ND		0.20		ppb v/v			07/25/14 15:31	1
1,1-Dichloroethene	ND		0.20		ppb v/v			07/25/14 15:31	1
1,2-Dichloropropane	ND		0.20		ppb v/v			07/25/14 15:31	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.20		ppb v/v			07/25/14 15:31	1
Ethylbenzene	ND		0.20		ppb v/v			07/25/14 15:31	1
4-Ethyltoluene	ND		0.20		ppb v/v			07/25/14 15:31	1
Hexachlorobutadiene	ND		0.20		ppb v/v			07/25/14 15:31	1
2-Hexanone	ND		0.50		ppb v/v			07/25/14 15:31	1
Methylene Chloride	ND		0.50		ppb v/v			07/25/14 15:31	1
4-Methyl-2-pentanone (MIBK)	ND		0.50		ppb v/v			07/25/14 15:31	1
Styrene	ND		0.20		ppb v/v			07/25/14 15:31	1
1,1,2,2-Tetrachloroethane	ND		0.20		ppb v/v			07/25/14 15:31	1
Tetrachloroethene	ND		0.20		ppb v/v			07/25/14 15:31	1
Toluene	ND		0.20		ppb v/v			07/25/14 15:31	1
trans-1,2-Dichloroethene	ND		0.20		ppb v/v			07/25/14 15:31	1
trans-1,3-Dichloropropene	ND		0.20		ppb v/v			07/25/14 15:31	1
1,2,4-Trichlorobenzene	ND		0.50		ppb v/v			07/25/14 15:31	1
1,1,1-Trichloroethane	ND		0.20		ppb v/v			07/25/14 15:31	1
1,1,2-Trichloroethane	ND		0.20		ppb v/v			07/25/14 15:31	1
Trichloroethene	ND		0.20		ppb v/v			07/25/14 15:31	1
Trichlorofluoromethane	ND		0.20		ppb v/v			07/25/14 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.20		ppb v/v			07/25/14 15:31	1
1,2,4-Trimethylbenzene	ND		0.20		ppb v/v			07/25/14 15:31	1
1,3,5-Trimethylbenzene	ND		0.20		ppb v/v			07/25/14 15:31	1
Vinyl acetate	ND		5.0		ppb v/v			07/25/14 15:31	1
Vinyl chloride	ND		0.20		ppb v/v			07/25/14 15:31	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-75323/5
Matrix: Air
Analysis Batch: 75323

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	ND		0.50		ppb v/v			07/25/14 15:31	1
o-Xylene	ND		0.20		ppb v/v			07/25/14 15:31	1

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12		ug/m3			07/25/14 15:31	1
Benzene	ND		0.64		ug/m3			07/25/14 15:31	1
Benzyl chloride	ND		1.0		ug/m3			07/25/14 15:31	1
Bromodichloromethane	ND		1.3		ug/m3			07/25/14 15:31	1
Bromoform	ND		2.1		ug/m3			07/25/14 15:31	1
Bromomethane	ND		0.78		ug/m3			07/25/14 15:31	1
2-Butanone (MEK)	ND		1.5		ug/m3			07/25/14 15:31	1
Carbon disulfide	ND		1.6		ug/m3			07/25/14 15:31	1
Carbon tetrachloride	ND		1.3		ug/m3			07/25/14 15:31	1
Chlorobenzene	ND		0.92		ug/m3			07/25/14 15:31	1
Chloroethane	ND		1.3		ug/m3			07/25/14 15:31	1
Chloroform	ND		0.98		ug/m3			07/25/14 15:31	1
Chloromethane	ND		1.0		ug/m3			07/25/14 15:31	1
cis-1,2-Dichloroethene	ND		0.79		ug/m3			07/25/14 15:31	1
cis-1,3-Dichloropropene	ND		0.91		ug/m3			07/25/14 15:31	1
Dibromochloromethane	ND		1.7		ug/m3			07/25/14 15:31	1
1,2-Dibromoethane (EDB)	ND		1.5		ug/m3			07/25/14 15:31	1
1,2-Dichlorobenzene	ND		1.2		ug/m3			07/25/14 15:31	1
1,3-Dichlorobenzene	ND		1.2		ug/m3			07/25/14 15:31	1
1,4-Dichlorobenzene	ND		1.2		ug/m3			07/25/14 15:31	1
Dichlorodifluoromethane	ND		2.5		ug/m3			07/25/14 15:31	1
1,1-Dichloroethane	ND		0.81		ug/m3			07/25/14 15:31	1
1,2-Dichloroethane	ND		0.81		ug/m3			07/25/14 15:31	1
1,1-Dichloroethene	ND		0.79		ug/m3			07/25/14 15:31	1
1,2-Dichloropropane	ND		0.92		ug/m3			07/25/14 15:31	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1.4		ug/m3			07/25/14 15:31	1
Ethylbenzene	ND		0.87		ug/m3			07/25/14 15:31	1
4-Ethyltoluene	ND		0.98		ug/m3			07/25/14 15:31	1
Hexachlorobutadiene	ND		2.1		ug/m3			07/25/14 15:31	1
2-Hexanone	ND		2.0		ug/m3			07/25/14 15:31	1
Methylene Chloride	ND		1.7		ug/m3			07/25/14 15:31	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ug/m3			07/25/14 15:31	1
Styrene	ND		0.85		ug/m3			07/25/14 15:31	1
1,1,2,2-Tetrachloroethane	ND		1.4		ug/m3			07/25/14 15:31	1
Tetrachloroethene	ND		1.4		ug/m3			07/25/14 15:31	1
Toluene	ND		0.75		ug/m3			07/25/14 15:31	1
trans-1,2-Dichloroethene	ND		0.79		ug/m3			07/25/14 15:31	1
trans-1,3-Dichloropropene	ND		0.91		ug/m3			07/25/14 15:31	1
1,2,4-Trichlorobenzene	ND		3.7		ug/m3			07/25/14 15:31	1
1,1,1-Trichloroethane	ND		1.1		ug/m3			07/25/14 15:31	1
1,1,2-Trichloroethane	ND		1.1		ug/m3			07/25/14 15:31	1
Trichloroethene	ND		1.1		ug/m3			07/25/14 15:31	1
Trichlorofluoromethane	ND		1.1		ug/m3			07/25/14 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.5		ug/m3			07/25/14 15:31	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-75323/5
Matrix: Air
Analysis Batch: 75323

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.98		ug/m3			07/25/14 15:31	1
1,3,5-Trimethylbenzene	ND		0.98		ug/m3			07/25/14 15:31	1
Vinyl acetate	ND		18		ug/m3			07/25/14 15:31	1
Vinyl chloride	ND		0.51		ug/m3			07/25/14 15:31	1
m,p-Xylene	ND		2.2		ug/m3			07/25/14 15:31	1
o-Xylene	ND		0.87		ug/m3			07/25/14 15:31	1

Lab Sample ID: LCS 200-75323/4
Matrix: Air
Analysis Batch: 75323

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	7.27		ppb v/v		73	70 - 130
Benzene	10.0	8.85		ppb v/v		89	70 - 130
Benzyl chloride	10.0	9.27		ppb v/v		93	70 - 130
Bromodichloromethane	10.0	9.08		ppb v/v		91	70 - 130
Bromoform	10.0	10.6		ppb v/v		106	70 - 130
Bromomethane	10.0	7.41		ppb v/v		74	70 - 130
2-Butanone (MEK)	10.0	7.99		ppb v/v		80	70 - 130
Carbon disulfide	10.0	9.66		ppb v/v		97	70 - 130
Carbon tetrachloride	10.0	9.62		ppb v/v		96	70 - 130
Chlorobenzene	10.0	9.47		ppb v/v		95	70 - 130
Chloroethane	10.0	8.22		ppb v/v		82	70 - 130
Chloroform	10.0	8.95		ppb v/v		89	70 - 130
Chloromethane	10.0	7.45		ppb v/v		75	70 - 130
cis-1,2-Dichloroethene	10.0	8.96		ppb v/v		90	70 - 130
cis-1,3-Dichloropropene	10.0	9.15		ppb v/v		92	70 - 130
Dibromochloromethane	10.0	9.76		ppb v/v		98	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.74		ppb v/v		97	70 - 130
1,2-Dichlorobenzene	10.0	10.4		ppb v/v		104	70 - 130
1,3-Dichlorobenzene	10.0	10.5		ppb v/v		105	70 - 130
1,4-Dichlorobenzene	10.0	10.6		ppb v/v		106	70 - 130
Dichlorodifluoromethane	10.0	8.93		ppb v/v		89	70 - 130
1,1-Dichloroethane	10.0	8.36		ppb v/v		84	70 - 130
1,2-Dichloroethane	10.0	8.31		ppb v/v		83	70 - 130
1,1-Dichloroethene	10.0	9.14		ppb v/v		91	70 - 130
1,2-Dichloropropane	10.0	8.17		ppb v/v		82	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	10.0	9.91		ppb v/v		99	70 - 130
Ethylbenzene	10.0	9.25		ppb v/v		93	70 - 130
4-Ethyltoluene	10.0	10.2		ppb v/v		102	70 - 130
Hexachlorobutadiene	10.0	9.73		ppb v/v		97	70 - 130
2-Hexanone	10.0	7.68		ppb v/v		77	70 - 130
Methylene Chloride	10.0	7.51		ppb v/v		75	70 - 130
4-Methyl-2-pentanone (MIBK)	10.0	7.67		ppb v/v		77	70 - 130
Styrene	10.0	9.79		ppb v/v		98	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.69		ppb v/v		97	70 - 130
Tetrachloroethene	10.0	9.75		ppb v/v		98	70 - 130
Toluene	10.0	8.43		ppb v/v		84	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-75323/4
Matrix: Air
Analysis Batch: 75323

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	10.0	8.70		ppb v/v		87	70 - 130
trans-1,3-Dichloropropene	10.0	9.22		ppb v/v		92	70 - 130
1,2,4-Trichlorobenzene	10.0	9.91		ppb v/v		99	70 - 130
1,1,1-Trichloroethane	10.0	9.19		ppb v/v		92	70 - 130
1,1,2-Trichloroethane	10.0	9.03		ppb v/v		90	70 - 130
Trichloroethene	10.0	9.07		ppb v/v		91	70 - 130
Trichlorofluoromethane	10.0	8.89		ppb v/v		89	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.23		ppb v/v		92	70 - 130
1,2,4-Trimethylbenzene	10.0	9.91		ppb v/v		99	70 - 130
1,3,5-Trimethylbenzene	10.0	9.90		ppb v/v		99	70 - 130
Vinyl acetate	10.0	7.08		ppb v/v		71	70 - 130
Vinyl chloride	10.0	7.90		ppb v/v		79	70 - 130
m,p-Xylene	20.0	18.7		ppb v/v		94	70 - 130
o-Xylene	10.0	9.30		ppb v/v		93	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	24	17.3		ug/m3		73	70 - 130
Benzene	32	28.3		ug/m3		89	70 - 130
Benzyl chloride	52	48.0		ug/m3		93	70 - 130
Bromodichloromethane	67	60.8		ug/m3		91	70 - 130
Bromoform	100	109		ug/m3		106	70 - 130
Bromomethane	39	28.8		ug/m3		74	70 - 130
2-Butanone (MEK)	29	23.6		ug/m3		80	70 - 130
Carbon disulfide	31	30.1		ug/m3		97	70 - 130
Carbon tetrachloride	63	60.5		ug/m3		96	70 - 130
Chlorobenzene	46	43.6		ug/m3		95	70 - 130
Chloroethane	26	21.7		ug/m3		82	70 - 130
Chloroform	49	43.7		ug/m3		89	70 - 130
Chloromethane	21	15.4		ug/m3		75	70 - 130
cis-1,2-Dichloroethene	40	35.5		ug/m3		90	70 - 130
cis-1,3-Dichloropropene	45	41.5		ug/m3		92	70 - 130
Dibromochloromethane	85	83.1		ug/m3		98	70 - 130
1,2-Dibromoethane (EDB)	77	74.8		ug/m3		97	70 - 130
1,2-Dichlorobenzene	60	62.3		ug/m3		104	70 - 130
1,3-Dichlorobenzene	60	63.0		ug/m3		105	70 - 130
1,4-Dichlorobenzene	60	63.7		ug/m3		106	70 - 130
Dichlorodifluoromethane	49	44.1		ug/m3		89	70 - 130
1,1-Dichloroethane	40	33.8		ug/m3		84	70 - 130
1,2-Dichloroethane	40	33.6		ug/m3		83	70 - 130
1,1-Dichloroethene	40	36.2		ug/m3		91	70 - 130
1,2-Dichloropropane	46	37.7		ug/m3		82	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	70	69.3		ug/m3		99	70 - 130
Ethylbenzene	43	40.2		ug/m3		93	70 - 130
4-Ethyltoluene	49	49.9		ug/m3		102	70 - 130
Hexachlorobutadiene	110	104		ug/m3		97	70 - 130
2-Hexanone	41	31.5		ug/m3		77	70 - 130
Methylene Chloride	35	26.1		ug/m3		75	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-75323/4
Matrix: Air
Analysis Batch: 75323

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	41	31.4		ug/m3		77	70 - 130
Styrene	43	41.7		ug/m3		98	70 - 130
1,1,2,2-Tetrachloroethane	69	66.5		ug/m3		97	70 - 130
Tetrachloroethene	68	66.1		ug/m3		98	70 - 130
Toluene	38	31.8		ug/m3		84	70 - 130
trans-1,2-Dichloroethene	40	34.5		ug/m3		87	70 - 130
trans-1,3-Dichloropropene	45	41.8		ug/m3		92	70 - 130
1,2,4-Trichlorobenzene	74	73.5		ug/m3		99	70 - 130
1,1,1-Trichloroethane	55	50.1		ug/m3		92	70 - 130
1,1,2-Trichloroethane	55	49.3		ug/m3		90	70 - 130
Trichloroethene	54	48.7		ug/m3		91	70 - 130
Trichlorofluoromethane	56	50.0		ug/m3		89	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	77	70.7		ug/m3		92	70 - 130
1,2,4-Trimethylbenzene	49	48.7		ug/m3		99	70 - 130
1,3,5-Trimethylbenzene	49	48.7		ug/m3		99	70 - 130
Vinyl acetate	35	24.9		ug/m3		71	70 - 130
Vinyl chloride	26	20.2		ug/m3		79	70 - 130
m,p-Xylene	87	81.3		ug/m3		94	70 - 130
o-Xylene	43	40.4		ug/m3		93	70 - 130

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Former ExxonMobil #25553

TestAmerica Job ID: 320-8513-1

Air - GC/MS VOA

Analysis Batch: 75323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-8513-1	VP-1 (071714)	Total/NA	Air	TO-15	
320-8513-2	VP-2 (071714)	Total/NA	Air	TO-15	
LCS 200-75323/4	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-75323/5	Method Blank	Total/NA	Air	TO-15	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Former ExxonMobil #25553

TestAmerica Job ID: 320-8513-1

Client Sample ID: VP-1 (071714)

Lab Sample ID: 320-8513-1

Date Collected: 07/17/14 10:05

Matrix: Air

Date Received: 07/21/14 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		10	20 mL	200 mL	75323	07/25/14 21:28	BPL	TAL BUR

Client Sample ID: VP-2 (071714)

Lab Sample ID: 320-8513-2

Date Collected: 07/17/14 10:21

Matrix: Air

Date Received: 07/21/14 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		10	20 mL	200 mL	75323	07/25/14 22:17	BPL	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Former ExxonMobil #25553

TestAmerica Job ID: 320-8513-1

Laboratory: TestAmerica Sacramento

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Oregon	NELAP	10	CA200005	01-29-15

Laboratory: TestAmerica Burlington

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10391	03-31-15

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Former ExxonMobil #25553

TestAmerica Job ID: 320-8513-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Former ExxonMobil #25553

TestAmerica Job ID: 320-8513-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-8513-1	VP-1 (071714)	Air	07/17/14 10:05	07/21/14 14:00
320-8513-2	VP-2 (071714)	Air	07/17/14 10:21	07/21/14 14:00

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: STERLING TURNER	Samples Collected By: JUSTIN RADFORD	1 of 1 COCs
Company: ARCADIS	Phone: 804.513.9447		
Address: 1114 BENFIELD BLVD. SUITE A	Email: sterling.turner@arcadis-us.com		
City/State/Zip MILLERSVILLE, MD 21108			
Phone: 410.987.0032	Site Contact: —		
FAX: —	TA Contact: —		
Project Name: XOM #25553	**Analysis Turnaround Time**		
Site: THURMONT, MD	Standard (Specify) ✓		
PO # B0085851.0014	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
VP-1(071714)	7/17/14	0950	1005	-29	-5	5241	34000908	X											
VP-2(071714)	7/17/14	1018	1021	-27	-5	7057	3589	X											

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

320-8513 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by: JUSTIN RADFORD	Date/Time: 7/18/14/1400	Samples Received by:
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time: 7/21/14 1400	Received by: TAOS

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

From: (410) 987-0032
Justin Radford
ARCADIS
1114 Benfield Blvd.
Suite A
Millersville, MD 21108

Origin ID: GBOA

FedEx Express

J142014061903uv

Ship Date: 18JUL14
ActWgt: 10.0 LB
CAD: 1813684/INET3550

Delivery Address Bar Code

Ref # B0085851.0014
Invoice #
PO #
Dept #

SHIP TO: (802) 660-1990 BILL SENDER
Beth Riley
Test America Burlington
30 COMMUNITY DR
STE 11
S BURLINGTON, VT 05403

1 of 2

MON - 21 JUL AA
STANDARD OVERNIGHT

TRK# 0201 7706 3711 6652

MASTER

K6 BTVA

05403
VT-US
BTV

522G2/ED4F/8AC9

From: (410) 987-0032
Justin Radford
ARCADIS
1114 Benfield Blvd.
Suite A
Millersville, MD 21108

Origin ID: GBOA

FedEx Express

J142014061903uv

Ship Date: 18JUL14
ActWgt: 5.0 LB
CAD: 1813684/INET3550

Delivery Address Bar Code

Ref # B0085851.0014
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Dept #

SHIP TO: (802) 660-1990 BILL SENDER
Beth Riley
Test America Burlington
30 COMMUNITY DR
STE 11
S BURLINGTON, VT 05403

2 of 2

MON - 21 JUL AA
STANDARD OVERNIGHT

MPS# 0263 7706 3711 6847

Mstr# 7706 3711 6652 0201

K6 BTVA

05403
VT-US
BTV

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 320-8513-1

Login Number: 8513

List Source: TestAmerica Sacramento

List Number: 1

Creator: Sadler, Jeremy

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.	N/A	
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.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	
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	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 320-8513-1

Login Number: 8513
List Number: 2
Creator: Gagne, Eric M

List Source: TestAmerica Burlington
List Creation: 07/21/14 04:53 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	No NUMBERS
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT.
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.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

200-21506-A-7
34000932
Location: Air-Storage
Bottle: Summa Canister 1L
Sampled: 3/22/2014 12:00 AM 200-639468

Loc: 200
21506
#7
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test					
System ID	# Cycles	Cleaning Date	Technician	Canister Size	
Oven	50 100	3/22/14	MC	6L / 1L / 3L	

MC 3/22/14 Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]	Initial Reading	Final Reading
1	34000325	-29.8	-30.0	-29.7	0.3	Gauge ID: G13	Gauge ID: G13
2	34001633					Date: 3/24/14	Date: 4/2/14
3	34001~~054~~908					Time: 10:15	Time: 1400
4	34001084					Tech: MC	Tech: MC
5	34001092					BP: 29.8 ("Hg)	BP: 29.7 ("Hg)
6	34001651					Temp 22 (°C)	Temp: 22 (°C)
7	34000932					[3]Acceptance Criteria:	
8	4659					(1) The difference must be less than or equal to + 0.5	
9						(2) Pressure readings must be at least 24 hours apart.	
10						If time frame was not met, the PM must authorize shipment of canister:	
11						*PM Authorization:*	
12						Signature	Date

MC 3/22/14

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
34000932	3/24/14	~~6657~~ 6657	KMM			✓			3/25/14	ANI

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Routine

BR-FAI023:10.19.09:7
TestAmerica

7/29/2014

200-21718-A-4
4954
Location: Air Storage
Bottle: Summa Canister 1L
Sampled: 4/5/2014 12:00 AM 200-643570

Loc: 200
21718
#4
A

Pre-Shipment Clean Canister Certification Repor

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning[1] & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
Oven 2	50	4/5/14	ME	6L / 1L / 3L

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4842	-29.4	-30.0	-29.7	0.3
2	4861				
3	3400331				
4	4964				
5	3648				
6	3809				
7	4670				
8	3589	✓	✓		✓
9					
10					
11					
12					

Initial Reading	Final Reading
Gauge ID: 613	Gauge ID: 613
Date: 4/5/14	Date: 4/10/14
Time: 1530	Time: 1420
Tech: ME	Tech: ME
BP: 29.4 ("Hg)	BP: 29.7 ("Hg)
Temp 22 (°C)	Temp: ~~30~~ 22 (°C)

[3]Acceptance Criteria: ME 4/10/14

(1) The difference must be less than or equal to + 0.5

(2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister:

PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4964	4/08/14	6905	PAD			✓			4/8/14	AWI

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-21506-1
SDG No.:
Client Sample ID: 34000932
Lab Sample ID: 200-21506-7
Matrix: Air
Lab File ID: 6657_06.D
Analysis Method: TO-15
Date Collected: 03/22/2014 00:00
Sample wt/vol: 200(mL)
Date Analyzed: 03/24/2014 12:48
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 69783
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-21506-1
SDG No.:
Client Sample ID: 34000932
Lab Sample ID: 200-21506-7
Matrix: Air
Lab File ID: 6657_06.D
Analysis Method: TO-15
Date Collected: 03/22/2014 00:00
Sample wt/vol: 200(mL)
Date Analyzed: 03/24/2014 12:48
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 69783
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21506-1

SDG No.:

Client Sample ID: 34000932 Lab Sample ID: 200-21506-7

Matrix: Air Lab File ID: 6657_06.D

Analysis Method: TO-15 Date Collected: 03/22/2014 00:00

Sample wt/vol: 200(mL) Date Analyzed: 03/24/2014 12:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 69783 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140324-6657.b\6657_06.D
Lims ID: 200-21506-A-7 Lab Sample ID: 200-21506-7
Client ID: 34000932
Sample Type: Client
Inject. Date: 24-Mar-2014 12:48:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006657-006
Misc. Info.: 21506-07
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140324-6657.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Mar-2014 13:32:49 Calib Date: 18-Mar-2014 16:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: desjardinsb Date: 24-Mar-2014 16:16:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		3.186					
2 Dichlorodifluoromethane	85		3.261					
6 Chlorodifluoromethane	51		3.320					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.549					
8 Chloromethane	50		3.704					
9 Butane	43		3.923					
10 Vinyl chloride	62		3.971					
11 Butadiene	54		4.056					
12 Bromomethane	94		4.798					
13 Chloroethane	64		5.054					
15 Vinyl bromide	106		5.471					
16 Trichlorofluoromethane	101		5.577					
19 Ethanol	45		6.234					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.720					
24 1,1-Dichloroethene	96		6.762					
25 Acetone	43		7.040					
26 Carbon disulfide	76		7.146					
27 Isopropyl alcohol	45		7.360					
29 3-Chloro-1-propene	41		7.589					
31 Methylene Chloride	49		7.899					
32 2-Methyl-2-propanol	59		8.160					
33 Methyl tert-butyl ether	73		8.321					
34 trans-1,2-Dichloroethene	61		8.347					
36 Hexane	57		8.737					
37 1,1-Dichloroethane	63		9.265					
38 Vinyl acetate	43		9.361					
S 41 1,2-Dichloroethene, Total	61		10.200					
39 cis-1,2-Dichloroethene	96		10.429					
40 2-Butanone (MEK)	72		10.503					
42 Ethyl acetate	88		10.551					
* 43 Chlorobromomethane	128	10.909	10.920	-0.011	63	745513	10.0	

Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
44 Tetrahydrofuran	42		10.936				
45 Chloroform	83		11.058				
46 Cyclohexane	84		11.293				
47 1,1,1-Trichloroethane	97		11.336				
48 Carbon tetrachloride	117		11.587				
51 Isooctane	57		12.040				
50 Benzene	78		12.088				
52 1,2-Dichloroethane	62		12.297				
53 n-Heptane	43		12.451				
* 54 1,4-Difluorobenzene	114	12.980	12.985	-0.005	91	4245506	10.0
56 Trichloroethene	95		13.465				
58 1,2-Dichloropropane	63		14.063				
59 Methyl methacrylate	69		14.245				
60 1,4-Dioxane	88		14.314				
61 Dibromomethane	174		14.330				
62 Dichlorobromomethane	83		14.634				
64 cis-1,3-Dichloropropene	75		15.589				
65 4-Methyl-2-pentanone (MIBK)	43		15.904				
66 Toluene	92		16.187				
70 trans-1,3-Dichloropropene	75		16.801				
71 1,1,2-Trichloroethane	83		17.180				
72 Tetrachloroethene	166		17.271				
73 2-Hexanone	43		17.644				
74 Chlorodibromomethane	129		17.948				
75 Ethylene Dibromide	107		18.226				
* 76 Chlorobenzene-d5	117	19.122	19.122	0.0	80	4202033	10.0
77 Chlorobenzene	112		19.181				
78 Ethylbenzene	91		19.331				
81 m-Xylene & p-Xylene	106		19.581				
S 82 Xylenes, Total	106		20.100				
83 o-Xylene	106		20.393				
84 Styrene	104		20.441				
85 Bromoform	173		20.841				
86 Isopropylbenzene	105		21.022				
$ 87 4-Bromofluorobenzene	95	21.374	21.380	-0.006	95	2549153	NC
88 1,1,2,2-Tetrachloroethane	83		21.647				
90 N-Propylbenzene	91		21.706				
91 4-Ethyltoluene	105		21.887				
92 2-Chlorotoluene	91		21.903				
94 1,3,5-Trimethylbenzene	105		21.988				
96 tert-Butylbenzene	119		22.458				
97 1,2,4-Trimethylbenzene	105		22.554				
98 sec-Butylbenzene	105		22.773				
99 4-Isopropyltoluene	119		22.970				
100 1,3-Dichlorobenzene	146		23.008				
101 1,4-Dichlorobenzene	146		23.147				
102 Benzyl chloride	91		23.355				
103 n-Butylbenzene	91		23.557				
105 1,2-Dichlorobenzene	146		23.702				
107 1,2,4-Trichlorobenzene	180		26.327				
108 Hexachlorobutadiene	225		26.519				
109 Naphthalene	128		26.856				

WorkSheet Quantitation Report

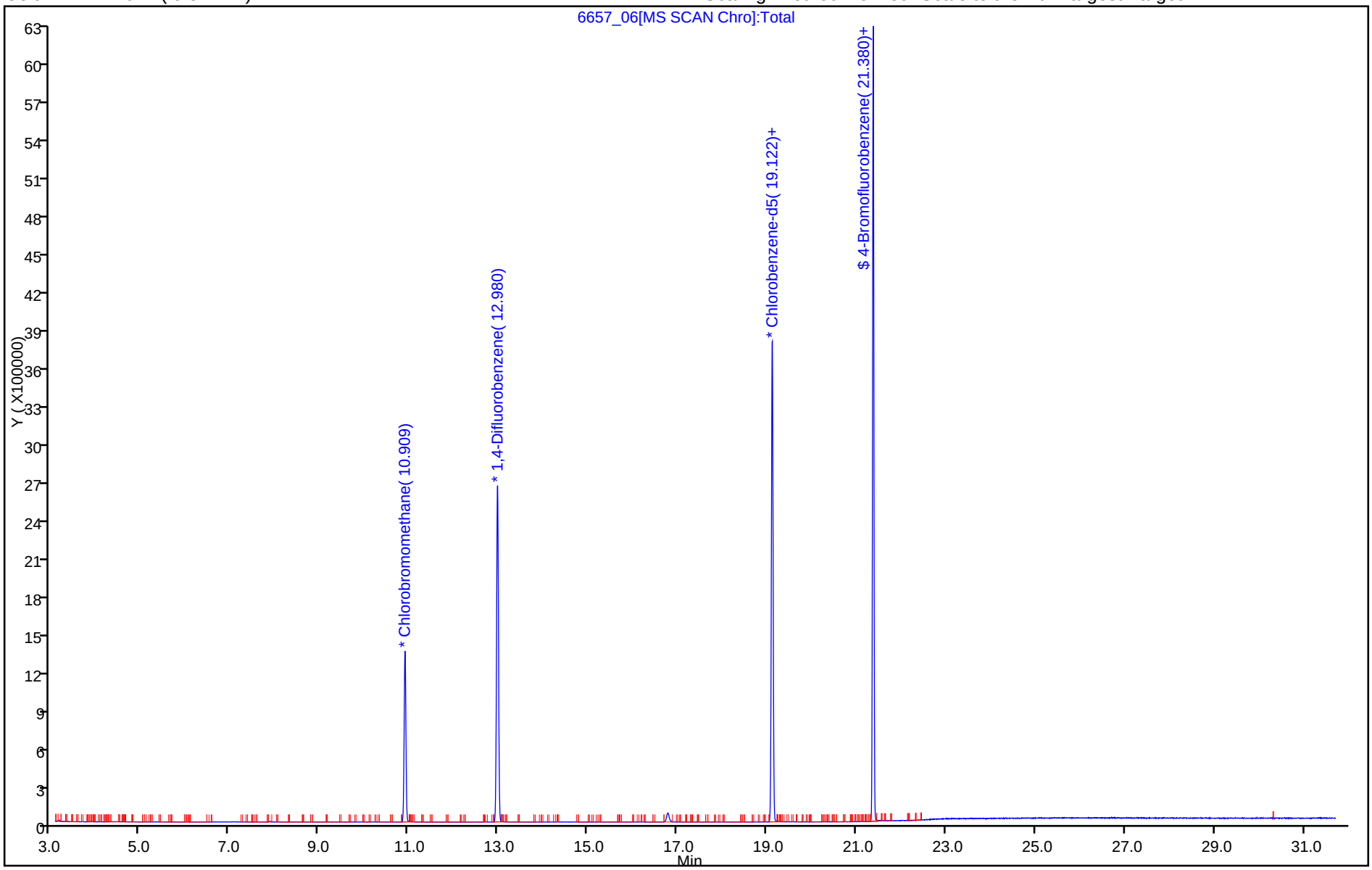
Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 24-Mar-2014 16:16:05 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140324-6657.b\6657_06.D				
Injection Date:	24-Mar-2014 12:48:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	200-21506-A-7	Lab Sample ID:	200-21506-7	Worklist Smp#:	6
Client ID:	34000932				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-21718-1

SDG No.:

Client Sample ID: 4964 | Lab Sample ID: 200-21718-4

Matrix: Air | Lab File ID: 6905_025.D

Analysis Method: TO-15 | Date Collected: 04/05/2014 00:00

Sample wt/vol: 200(mL) | Date Analyzed: 04/08/2014 06:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 70420 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-21718-1
SDG No.:
Client Sample ID: 4964
Lab Sample ID: 200-21718-4
Matrix: Air
Lab File ID: 6905_025.D
Analysis Method: TO-15
Date Collected: 04/05/2014 00:00
Sample wt/vol: 200(mL)
Date Analyzed: 04/08/2014 06:36
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 70420
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-21718-1

SDG No.:

Client Sample ID: 4964 Lab Sample ID: 200-21718-4

Matrix: Air Lab File ID: 6905_025.D

Analysis Method: TO-15 Date Collected: 04/05/2014 00:00

Sample wt/vol: 200(mL) Date Analyzed: 04/08/2014 06:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 70420 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140407-6905.b\6905_025.D
Lims ID: 200-21718-A-4 Lab Sample ID: 200-21718-4
Client ID: 4964
Sample Type: Client
Inject. Date: 08-Apr-2014 06:36:30 ALS Bottle#: 21 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0006905-025
Misc. Info.: 21718-04
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20140407-6905.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Apr-2014 12:34:29 Calib Date: 14-Mar-2014 18:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140314-6557.b\6557_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: lyonsb Date: 08-Apr-2014 12:19:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
4 Propene	41		3.170					
5 Dichlorodifluoromethane	85		3.235					
6 Chlorodifluoromethane	51		3.277					
7 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.464					
8 Chloromethane	50		3.608					
9 Butane	43		3.784					
10 Vinyl chloride	62		3.832					
11 Butadiene	54		3.902					
12 Bromomethane	94		4.627					
14 Chloroethane	64		4.873					
16 Vinyl bromide	106		5.295					
17 Trichlorofluoromethane	101		5.385					
19 Ethanol	45		5.887					
23 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.437					
24 1,1-Dichloroethene	96		6.522					
25 Acetone	43		6.714					
26 Isopropyl alcohol	45		6.912					
27 Carbon disulfide	76		6.954					
29 3-Chloro-1-propene	41		7.248					
31 Methylene Chloride	49		7.515					
32 2-Methyl-2-propanol	59		7.616					
33 Methyl tert-butyl ether	73		7.840					
34 trans-1,2-Dichloroethene	61		7.915					
36 Hexane	57		8.225					
37 1,1-Dichloroethane	63		8.678					
38 Vinyl acetate	43		8.684					
39 cis-1,2-Dichloroethene	96		9.585					
41 Ethyl acetate	88		9.585					
40 2-Butanone (MEK)	72		9.591					
43 Tetrahydrofuran	42		9.954					
* 44 Chlorobromomethane	128	9.959	9.959	0.0	65	731578	10.0	

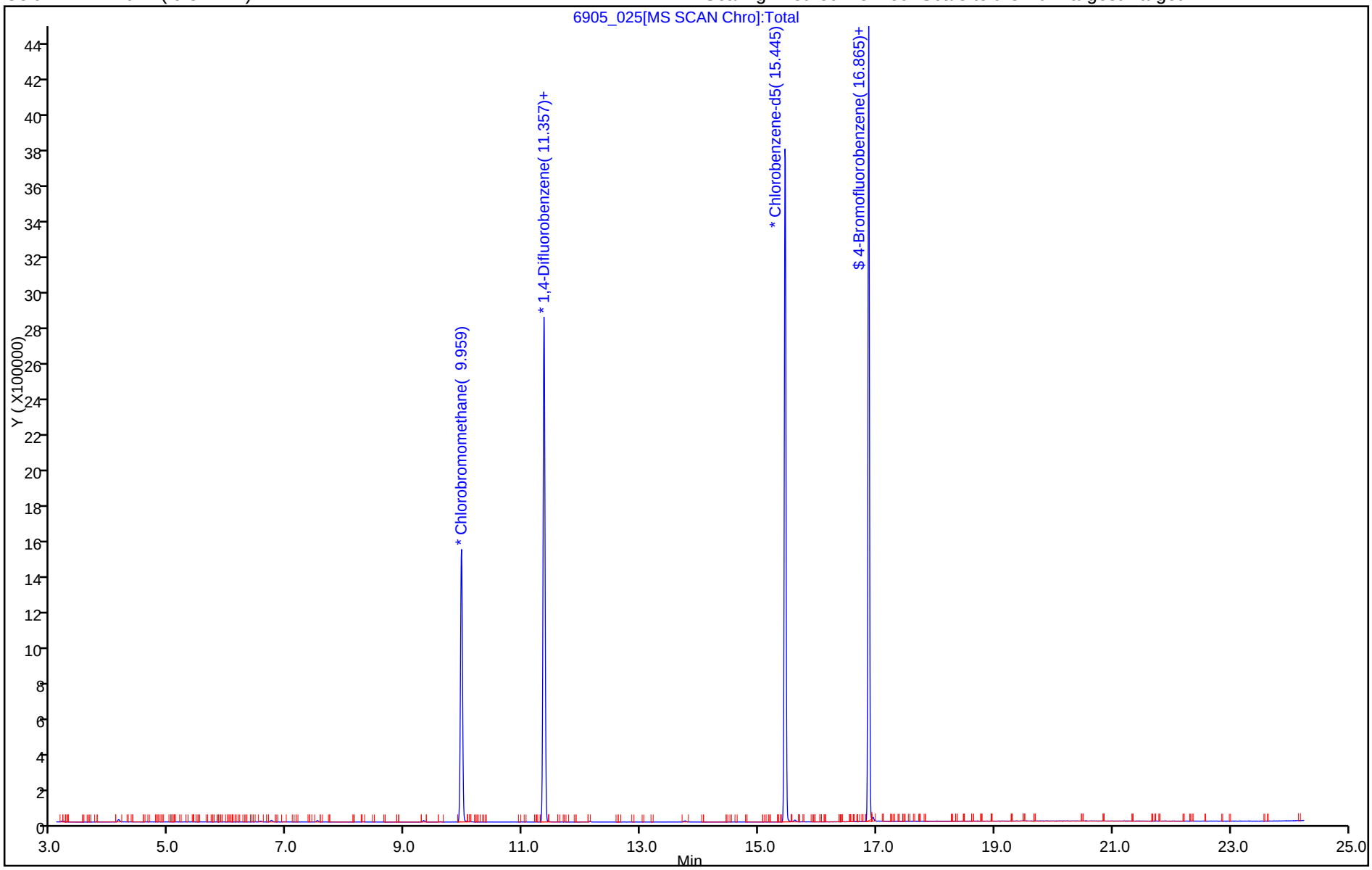
Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
S 42 1,2-Dichloroethene, Total	61		10.000				
45 Chloroform	83		10.028				
46 Cyclohexane	84		10.269				
47 1,1,1-Trichloroethane	97		10.279				
48 Carbon tetrachloride	117		10.471				
49 Isooctane	57		10.744				
50 Benzene	78		10.818				
51 1,2-Dichloroethane	62		10.930				
52 n-Heptane	43		10.989				
* 54 1,4-Difluorobenzene	114	11.357	11.363	-0.006	91	3494493	10.0
57 Trichloroethene	95		11.720				
58 1,2-Dichloropropane	63		12.115				
59 Methyl methacrylate	69		12.136				
60 1,4-Dioxane	88		12.233				
61 Dibromomethane	174		12.297				
62 Dichlorobromomethane	83		12.462				
64 cis-1,3-Dichloropropene	75		13.092				
65 4-Methyl-2-pentanone (MIBK)	43		13.247				
68 Toluene	92		13.519				
70 trans-1,3-Dichloropropene	75		13.892				
71 1,1,2-Trichloroethane	83		14.165				
72 Tetrachloroethene	166		14.271				
73 2-Hexanone	43		14.415				
74 Chlorodibromomethane	129		14.704				
75 Ethylene Dibromide	107		14.906				
* 76 Chlorobenzene-d5	117	15.445	15.451	-0.006	81	3013928	10.0
77 Chlorobenzene	112		15.488				
79 Ethylbenzene	91		15.547				
80 m-Xylene & p-Xylene	106		15.691				
S 81 Xylenes, Total	106		16.000				
82 o-Xylene	106		16.198				
83 Styrene	104		16.225				
84 Bromoform	173		16.523				
85 Isopropylbenzene	105		16.603				
$ 86 4-Bromofluorobenzene	95	16.865	16.865	0.0	98	1709687	NC
87 1,1,2,2-Tetrachloroethane	83		17.020				
88 N-Propylbenzene	91		17.078				
91 4-Ethyltoluene	105		17.201				
92 2-Chlorotoluene	91		17.249				
93 1,3,5-Trimethylbenzene	105		17.271				
95 tert-Butylbenzene	119		17.655				
96 1,2,4-Trimethylbenzene	105		17.724				
97 sec-Butylbenzene	105		17.916				
98 4-Isopropyltoluene	119		18.071				
99 1,3-Dichlorobenzene	146		18.151				
100 1,4-Dichlorobenzene	146		18.269				
101 Benzyl chloride	91		18.434				
103 n-Butylbenzene	91		18.589				
104 1,2-Dichlorobenzene	146		18.770				
107 1,2,4-Trichlorobenzene	180		21.220				
108 Hexachlorobutadiene	225		21.375				
109 Naphthalene	128		21.738				

WorkSheet Quantitation Report

Sig	RT	Lower RT	Upper RT	Q	Response	On-Col Amt ppb v/v	Ratio Range	Ratio	Flags

Report Date: 08-Apr-2014 12:34:54 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20140407-6905.b\6905_025.D				
Injection Date:	08-Apr-2014 06:36:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-21718-A-4	Lab Sample ID:	200-21718-4	Worklist Smp#:	25
Client ID:	4964				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1