

Transmittal Letter

**TO**

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FROM

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File
ExxonMobil E&PS – Regan O'Brien

DATE

August 14, 2024

PROJECT NUMBER

30194635

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Former ExxonMobil Facility #14489
Old Bayview Road, North East, Maryland
MDE Case No. 1986-1205-CE

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Semi-Annual Groundwater Monitoring Report – 2024

Former ExxonMobil Facility #14489

285 Old Bayview Road

North East, Maryland

MDE Case No. 1986-1205-CE

August 2024

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Former ExxonMobil Facility #14489

285 Old Bayview Road

North East, Maryland

MDE Case No. 1986-1205-CE

August 2024

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Ruben Lopez
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Semi-Annual Groundwater Monitoring Report – 2024
Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Cecil County, Maryland

Regulatory Information

Regulatory Agency:	Maryland Dept. of the Environment - OCP
Agency Contact:	Ms. Susan Bull
MDE Case No:	1986-1205-CE
MDE Facility I.D.:	2615
Current Case Status:	Semi-Annual Groundwater Monitoring
Reporting Period:	December 2023 – July 2024
Last Report:	Semi-Annual Groundwater Monitoring Report - December 2023

General Site Information

ExxonMobil Contact:	Regan O'Brien
Consultant Contact:	Ruben Lopez
Facility Status:	Inactive Mobil retail gasoline service station
Area Property Use:	See local area map (Figure 1)
Monitoring Wells:	MW-1A, MW-2A, MW-3A, MW-5A, MW-8, MW-10, and MW-11 (Figure 2)
Site Geology:	Micaceous clay and silt with sand and gravel
General Groundwater Flow Direction:	South-Southeast

Activities Completed this Period

July 10, 2024:	Groundwater Gauging and Sampling
Wells Gauged/Sampled:	MW-1A, MW-2A, MW-3A, MW-5A, MW-8, MW-10, and MW-11
Liquid Phase Hydrocarbon:	None Detected
Minimum/Maximum Depth to Water:	3.00 feet (MW-8) / 8.42 feet (MW-11)
Interpreted Groundwater Flow Direction:	South-Southeast

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Executive Summary

On behalf of ExxonMobil Environmental and Property Solutions Company (E&PS), Arcadis U.S., Inc. (Arcadis) personnel completed a semi-annual groundwater monitoring and sampling event at Former ExxonMobil Facility #14489 located at 285 Old Bayview Road in North East, Cecil County, Maryland (the Site) during this monitoring period. The objective of the groundwater monitoring and sampling program is to evaluate concentrations of dissolved-phase chemicals of concern (COCs), document the effectiveness of monitored natural attenuation at the Site, and to maintain compliance with the Maryland Department of Environment (MDE) Oil Control Program requirements for the Site.

Semi-Annual On-Site Sampling

On July 10, 2024, Arcadis completed a semi-annual groundwater monitoring and sampling event at the Site. Seven (7) groundwater monitoring wells (MW-1A, MW-2A, MW-3A, MW-5A, MW-8, MW-10, and MW-11) were gauged on July 10, 2024, to determine the depth to bottom (DTB) and the depth to water (DTW). DTW ranged from 3.00 feet below top of well casing (btoc) in groundwater monitoring well MW-8 to 8.42 feet btoc in groundwater monitoring well MW-11. Groundwater was observed to flow towards the south-southeast which is consistent with historical observed groundwater flow direction. Free product was not detected in any groundwater monitoring wells during the July 10, 2024, groundwater gauging event.

Following groundwater monitoring well gauging, groundwater samples were collected from seven (7) groundwater monitoring wells (MW-1A, MW-2A, MW-3A, MW-5A, MW-8, MW-10, and MW-11) on July 10, 2024. The maximum dissolved-phase concentrations of selected COCs detected during the July 2024 groundwater sampling event are summarized below:

Maximum Groundwater Concentrations (July 10, 2024)

Chemical of Concern	Well ID	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
Benzene	MW-2A	12	5.0
Toluene	MW-1A	410	1,000
Ethylbenzene	MW-2A	1,800	700
Xylenes (total)	MW-2A	1,900	10,000
MTBE	MW-3A	0.76 cn	20
tert-Butyl alcohol (TBA)	All	Non-Detect	NE
di-Isopropyl Ether (DIPE)	All	Non-Detect	NE
Ethyl Tertiary Butyl Ether (ETBE)	All	Non-Detect	NE
Tertiary Amyl Methyl Ether (TAME)	All	Non-Detect	NE

Semi-Annual Groundwater Monitoring Report – 2024

Chemical of Concern	Well ID	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
Naphthalene	MW-1A	600	0.7

Notes:

Bolded concentrations exceed the applicable MEAT LUST Groundwater Standard.

µg/L = micrograms per liter

NE = Not Established

Dissolved-phase concentrations of benzene, ethylbenzene, and naphthalene were detected in concentrations exceeding the applicable MEAT Standards for LUSTs on July 10, 2024. Overall concentrations of dissolved-phase COCs at the Site are consistent with the previous groundwater monitoring and sampling events.

1 Site History & Characterization

Former ExxonMobil Facility #14489 (the Site) is currently an inactive former Mobil retail station (Former Mobil #16-G1R) located at the intersection of Route 274 and Old Bayview Road in North East, Cecil County, Maryland. The surrounding area land use is mixed commercial and residential. The Site is bordered by residential houses to the north and east, an open lot to the south and an auto repair shop to the west. A two-story building currently remains on site. A Site Location Map and Site Map are presented as **Figures 1** and **2**, respectively.

Following the discovery of a drain line leaking gasoline at the Site, seven groundwater monitoring wells (MW-1 through MW-7) were installed in April and May 1986. Liquid phase hydrocarbon (LPH) was detected and MDE Case #89-0867 was opened. Four additional groundwater monitoring wells (MW-8 through MW-11) were installed in May 1989. A Remedial Investigation Report (RIR) was submitted to the Maryland Department of Environment (MDE) in May 1998 (Hunter Services 1991).

In July 1990, a Remedial Action Plan (RAP) was submitted to the MDE, detailing plans for a recovery trench, well and treatment system. The Site remediation system began operation in January 1991 and was operated until October 1996. Five additional groundwater monitoring wells (MW-12 through MW-16) were installed in March 1991 for site delineation as part of an Extended Site Assessment.

Additional site characterization was completed in December 1997 to delineate soil and groundwater quality adjacent to and downgradient from the potential source area. In July 2007, three underground storage tanks (USTs) were removed from the Site and a Post Excavation Sampling Report was submitted to MDE in December 2007 documenting these activities.

In accordance with the site status letter issued by MDE, dated May 5, 2009, the groundwater monitoring wells and two of the off-site potable wells (259 and 261 Old Bayview Road) are currently sampled quarterly. Groundwater and potable well monitoring data collected during monitoring events since 1995 are included in groundwater monitoring reports previously submitted to MDE.

On January 15, 2016, Arcadis U.S, Inc. (Arcadis) formally requested to rescind the Revised Corrective Action Plan (CAP) Report dated April 15, 2013. The April 15, 2013, Revised CAP Report proposed the injection of gypsum slurry with an Epsom salt solution to reduce concentrations of dissolved-phase chemicals of concerns (COC). An evaluation of groundwater analytical data by Arcadis determined that monitored natural attenuation was occurring at the Site. Since monitored natural attenuation was already occurring at the Site, the proposed gypsum slurry injection would be marginally beneficial. Therefore, the gypsum slurry injection remedial strategy plan was recommended to be discontinued in email correspondence to the MDE dated June 3, 2015. In place of the gypsum slurry injection, monitoring natural attenuation would be evaluated at the Site over a period of two years beginning with the 3rd Quarter 2015 groundwater monitoring and sampling period.

Arcadis completed a meeting with the MDE to discuss the Site on November 29, 2016. Per the meeting, Arcadis will contact both property owners of 259 Bayview Road and 261 Bayview Road to connect both properties to municipal water. Additionally, the MDE requested that Arcadis modify the groundwater sampling program at the Site from a quarterly to semi-annual basis and to sample a sub-set of the groundwater monitoring wells at the Site. The private water supply well sampling program would continue quarterly.

The *Reduced Sampling Approval* letter from the MDE dated May 31, 2017, approved the reduction in frequency of groundwater monitoring and sampling at the Site from a quarterly to a semi-annual basis. Additionally, the

abandonment of groundwater monitoring wells MW-12 through MW-16 and chemical injection wells INJ-1 through INJ-3 was requested. The submittal of a Monitored Natural Attenuation Evaluation was also required.

Arcadis submitted a *Monitored Natural Attenuation Evaluation Report* dated June 26, 2017, to the MDE. The geochemical data for the Site indicated that mild to moderately high reducing conditions are prevalent onsite. The presence of detectable dissolved oxygen concentrations indicate that aerobic conditions prevail in pockets onsite as well as offsite, which is conducive to rapid degradation of COC. The stable COC concentration trends and mild to moderately high reducing anaerobic geochemical conditions continue to demonstrate that MNA is a viable remedy for the dissolved-phase COCs in site groundwater.

Arcadis submitted a *Monitoring Well Abandonment Report* dated August 8, 2017, which documented the abandonment of groundwater monitoring wells MW-12 through MW-16 and chemical injection wells INJ-1 through INJ-3 on July 20, 2017.

2 Current Site Assessment Activities

2.1 Groundwater Monitoring Activities

On July 10, 2024, Arcadis personnel gauged seven (7) existing groundwater monitoring wells, MW-1A, MW-2A, MW-3A, MW-5A, MW-8, MW-10, and MW-11 using an oil/water interface probe (IP) to determine depth to water and depth to product, if present. The IP and attached tape, marked in 0.01-foot increments, were properly decontaminated before each use with Liquinox soap and a distilled water rinse. Measurements were recorded to the nearest 0.01-foot increment. The depth to water was measured from the marked survey point on the top of well casing (TOC).

Free product was not detected in any of the groundwater monitoring wells on July 10, 2024. Free product was last detected at the Site in groundwater monitoring well MW-2A on November 20, 2008, at a maximum apparent thickness of 0.01 feet.

Depth to water on July 19, 2024, ranged from 3.00 below top of casing (btoc) in groundwater monitoring well MW-8 to 8.42 feet btoc in groundwater monitoring well MW-11. Groundwater flow was observed to be towards the south-southeast and is consistent with historical observed groundwater flow. Historical groundwater elevations are summarized in **Table 1**. A shallow groundwater potentiometric surface map is presented as **Figure 3**.

2.2 Groundwater Sampling Activities

On July 10, 2024, groundwater monitoring wells MW-1A, MW-2A, MW-3A, MW-5A, MW-8, MW-10, and MW-11 were sampled.

Groundwater samples were collected using a peristaltic pump fitted with new Teflon tubing. The sampling tubing was lowered into each groundwater monitoring well to a depth corresponding to the center of the saturated screen section. The static water level at each groundwater monitoring well location was measured at 3 to 5-minute intervals during purging, and the pump rate was adjusted accordingly to maintain a stable water level during purging. New nitrile gloves were worn by field personnel at each groundwater monitoring well during sampling activities.

Natural attenuation parameters including dissolved oxygen, pH, conductivity, and oxygen reduction potential (ORP) were collected and recorded at 3 to 5-minute intervals. Groundwater samples were collected from each groundwater monitoring well after these parameters had stabilized. A summary of natural attenuation parameters is presented as **Table 2**.

Groundwater samples collected from the groundwater monitoring wells were placed in laboratory supplied containers and shipped in a cooler with wet ice to Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania under chain of custody documentation. Groundwater samples collected from groundwater monitoring wells were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, and fuel oxygenates using United States Environmental Protection Agency (USEPA) Method 8260C. Quality Assurance/Quality Control (QA/QC) samples were collected included a duplicate sample (collected from MW-1A), a rinsate blank, and trip blanks. The laboratory analytical report and chain of custody documentation from the groundwater sampling event is included in **Appendix A**.

2.3 Groundwater Analytical Results

The groundwater analytical data indicates the following:

- Dissolved-phase concentrations of benzene were detected in concentrations exceeding the applicable MEAT Groundwater Standard (5 micrograms per liter [µg/L]) in groundwater monitoring wells MW-1A (11 µg/L) and MW-2A 12 (µg/L).
- Dissolved-phase concentrations of ethylbenzene were detected in concentrations exceeding the applicable MEAT Groundwater Standard (700 µg/L) in groundwater monitoring well MW-2A (1,800 µg/L).
- Dissolved-phase concentrations of naphthalene were detected in concentrations exceeding the applicable MEAT Groundwater Standard (0.7 µg/L) in groundwater monitoring wells MW-1A (170 µg/L), MW-2A (600 µg/L), MW-5A (130 µg/L), and MW-11 (13 µg/L).

Current and historical groundwater analytical data is presented in **Table 1**. A groundwater analytical map is included as **Figure 4**. The groundwater laboratory analytical report and chain-of-custody record is included in **Appendix A**.

The maximum dissolved-phase concentrations of selected COCs detected during the groundwater sampling event are summarized below:

Maximum Groundwater Concentrations (July 10, 2024)

Chemical of Concern	Well ID	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
Benzene	MW-2A	12	5.0
Toluene	MW-1A	410	1,000
Ethylbenzene	MW-2A	1,800	700
Xylenes (total)	MW-2A	1,900	10,000
MTBE	MW-3A	0.76 cn	20

Chemical of Concern	Well ID	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
tert-Butyl alcohol (TBA)	All	Non-Detect	NE
di-Isopropyl Ether (DIPE)	All	Non-Detect	NE
Ethyl Tertiary Butyl Ether (ETBE)	All	Non-Detect	NE
Tertiary Amyl Methyl Ether (TAME)	All	Non-Detect	NE
Naphthalene	MW-1A	600	0.7

Notes:

Bolded concentrations exceed the applicable MEAT LUST Groundwater Standard.

µg/L = micrograms per liter

NE = Not Established

2.4 Water Line Connection and Potable Well Abandonment Activities

As agreed with the MDE, Arcadis coordinated activities for municipal water service connections to two residences: 259 and 261 Old Bayview Road.

Construction activities for water line connections started on March 18, 2024 and included directional drilling, and mechanical trenching activities, to connect both lines from the main water line located on the main Old Bayview Road to the 259 and 261 Old Bayview residences.

Once the water lines connections were completed and tested, Arcadis coordinated potable well abandonment activities. Abandonment activities were conducted by a licensed State of Maryland's drilling contractor: Parratt Wolff. The wells were grouted and sealed in place.

Water lines connection and potable well abandonment activities were completed on April 3, 2024.

Arcadis submitted a Request for Closure letter to the MDE on June 7, 2024.

3 Conclusion

Free product was not detected in any of the groundwater monitoring wells gauged on July 10, 2024. The sampling data collected on July 10, 2024, indicated dissolved-phase concentrations of benzene, ethylbenzene, and naphthalene were detected in concentrations exceeding the applicable MEAT Standards. Overall concentrations of dissolved-phase COCs at the Site have remained stable over time.

4 References

Fetter, C.W., 1994, Applied Hydrogeology, 3rd ed.: Macmillan College Publishing, Inc., New York, 616 p.

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U.S. Environmental Protection Agency (USEPA), 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. United States Environmental Protection Agency, Office of Resource Conservation and Recovery, Program Implementation and Information Division. EPA 530-R-09-007. Available online at

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Tables

Table 1
Groundwater Monitoring and Analytical Data



Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland

Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-1A		MEAT Groundwater Standard:					5	1,000	700	10,000	--	20	--	--	--	--	0.7
	6/1/2005	97.65	5.23	ND	ND	92.42	560	5,770	2,360	8,970	17,660	156	<500	NA	NA	NA	NA
	12/7/2005	97.65	6.77	ND	ND	90.88	252	2,410	2,560	7,500	12,722	149	<500	NA	NA	NA	NA
	5/24/2006	97.65	6.82	ND	ND	90.83	97.7	1,260	1,720	4,870	7,948	114	<500	NA	NA	NA	NA
	11/7/2006	97.65	5.38	ND	ND	92.27	116	703	1,130	2,880	4,829	112	92.2 J	NA	NA	NA	NA
	6/21/2007	97.65	6.15	ND	ND	91.50	145	1,750	1,020	3,220	6,135	53.3	<250	NA	NA	NA	NA
	12/11/2007	97.65	7.02	ND	ND	90.63	212	3,730	2,380	8,180	14,502	133	<500	NA	NA	NA	NA
	3/24/2008	97.65	4.94	ND	ND	92.71	216	3,280	2,270	7,550	13,316	510	<630	NA	NA	NA	NA
	6/29/2008	97.65	6.10	ND	ND	91.55	201	2,970	1,520	5,380	10,071	593	<500	<100	<100	<100	378
	8/14/2008	97.65	7.12	ND	ND	90.53	151	2,300	1,410	4,460	8,321	561	<500	<100	<100	59.2 J	345
	11/20/2008	97.65	7.12	ND	ND	90.53	150	2,330	1,860	6,030	10,370	398	<630	<130	<130	58.9 J	497
	2/11/2009	97.65	5.35	ND	ND	92.30	185	2,720	1,510	5,440	9,855	307	<500	<100	<100	<100	375
	4/21/2009	97.65	5.08	ND	ND	92.57	148	2,700	1,790	6,230	10,868	269	<630	<130	<130	44.0 J	402
	7/31/2009	97.65	6.35	ND	ND	91.30	101	1,460	730	2,760	5,051	151	<250	<50	<50	20.1 J	235
	10/13/2009	97.65	4.80	ND	ND	92.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/27/2009	97.65	5.25	ND	ND	92.40	62.8	873	1,080	2,830	4,846	143	<250	<50	<50	17.2 J	263
	1/12/2010	97.65	4.57	ND	ND	93.08	162	2,430	1,350	4,170	8,112	139	<250	<50	<50	24.0 J	355
	4/21/2010	97.65	4.21	ND	ND	93.44	204	3,100	1,610	5,510	10,424	117	<630	<130	<130	<130	369
	7/22/2010	97.65	6.74	ND	ND	90.91	197	2,900	1,340	4,780	9,217	108	<630	<130	<130	31.4 J	225
	11/23/2010	97.65	6.55	ND	ND	91.10	51.2	1,190	1,100	3,530	5,871	54.6	<130	<25	<25	9.0 J	277
	3/2/2011	97.65	4.89	ND	ND	92.76	60.2	1,220	1,120	4,440	6,840	33.8	40.4	<1	<1	<1	218
	5/19/2011	97.65	4.82	ND	ND	92.83	101	1,340	584	2,140	4,165	28.2	<20	<1	<1	7.47	244
	7/12/2011	97.65	6.48	ND	ND	91.17	117	2,450	1,140	3,970	7,677	24.4	<20	<1	<1	<1	234
	10/24/2011	97.65	5.41	ND	ND	92.24	57.6	1,610	1,030	3,660	6,357.6	21	19.1	<1	<1	4.27	198
	2/8/2012	97.65	5.03	ND	ND	92.62	67.5	1,490	956	3,210	5,724	13.8	<10	<1	<1	<1	187
	5/22/2012	97.65	6.83	ND	ND	90.82	76.7	1,910	976	4,140	7,103	13.6	<50	<5	<5	<5	155
	8/14/2012	97.65	8.31	ND	ND	89.34	66 [64]	2,180 [2,210]	1,080 [1,030]	3,950 [3,700]	7,276 [7,004]	17.7 [<1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	182 [192]
	10/4/2012	97.65	8.98	ND	ND	88.67	41.9	1,230	1,010	3,860	6,141.9	29.1	11.8	<2	<1	5.72	249
	2/22/2013	97.65	5.50	ND	ND	92.15	63.2	1,620	1,340	4,290	7,313	<1	<10	<2	<1	<1	256
	5/1/2013	97.65	5.21	ND	ND	92.44	81.3 [77.8]	2,130 [1,950]	1,290 [1,210]	4,820 [4,510]	8,321.3 [7,747.8]	6.88 [<1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [2.59]	262 [255]
	8/6/2013	97.65	4.68	ND	ND	92.97	92.3 [91.1]	1,880 [1,940]	973 [1,010]	3,340 [3,400]	6,285.3 [6,441.1]	6.25 [6.21]	<10 [<10]	<2 [<2]	<1 [<1]	19.3 [<1]	276 [279]
	10/3/2013	97.65	5.85	ND	ND	91.80	90.2 [90.6]	1,890 [1,870]	925 [925]	4,010 [4,070]	6,915.2 [6,955.6]	7.44 [7.74]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	251 [254]
	3/6/2014	97.65	4.25	ND	ND	93.40	47.6 [54.6]	1,060 [1,120]	689 [731]	2,740 [2,810]	4,536.6 [4,715.6]	4.70 [4.58]	10.4 [14.3]	<2 [<2]	<1 [<1]	1.61 [1.30]	161 [179]
	6/12/2014	97.65	4.54	ND	ND	93.11	69.8 [70.6]	2,060 [1,760]	974 [967]	4,050 [3,430]	7,153.8 [6,227.6]	<10 [<10]	<100 [<100]	<20 [<20]	<10 [<10]	<10 [<10]	182 [218]
	9/19/2014	97.65	7.27	ND	ND	90.38	49.5 [51.0]	1,460 [1,580]	874 [882]	3,300 [3,460]	5,683.5 [5,973]	<10 [<10]	<100 [<100]	<20 [<20]	<10 [<10]	<10 [<10]	378 [264]
	11/13/2014	97.65	6.09	ND	ND	91.56	10.7 [14.3]	405 [459]	355 [374]	1,400 [1,520]	2,170.7 [2,367.3]	<1 [<1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	54.0 [61.6]
	3/25/2015	97.65	4.38	ND	ND	93.27	33.4 [32.9]	743 [762]	517 [539]	2,450 [2,520]	3,743.4 [3,853.9]	<1 [2.34]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	133 [133]
	6/25/2015	97.65	4.41	ND	ND	93.24	53.2 [54.4]	1,500 [1,510]	714 [724]	3,180 [3,240]	5,447.2 [5,528.4]	2.31 [2.35]	14.3 [12.6]	<2 [<2]	<1 [<1]	<1 [<1]	153 [157]
	7/29/2015	97.65	4.94	ND	ND	92.71	76.7 [70.7]	2,310 [2,180]	980 [934]	4,410 [4,210]	7,776.7 [7,770.7]	3.07 [2.86]	<10 [16.7]	<2 [<2]	<1 [<1]	1.36 [1.19]	183 [189]
	10/29/2015	97.65	6.40	ND	ND	91.25	19.4 [18.1]	659 [617]	636 [590]	2,460 [2,440]	3,774.4 [3,665.1]	<10 [<10]	<100 [<100]	<20 [<20]	<10 [<10]	<10 [<10]	154 [174]
2/10/2016	97.65	4.27	ND	ND	93.38	20.9 [20.7]	633 F1 [617]	397 F1 [387]	1650 [1,620]	2,700.9 [2654.7]	<5 [<5]	<50 [<50]	<5 [<5]	<5 [<5]	<5 [<5]	106 [110]	
5/9/2016	97.65	4.74	ND	ND	92.91	33.5 [32.8]	989 [942]	685 [681]	2,570 [2,520]	4,278 [4,175.8]	<5 [<5]	<50 [<50]	<10 [<10]	<5 [<5]	<5 [<5]	140 [119]	
8/16/2016	97.65	7.00	ND	ND	90.65	<50.0 [<50.0]	<50.0 [<50.0]	245 [198]	270 [240]	515 [438]	<50.0 [<50.0]	<500 [<500]	<100 [<100]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	
11/8/2016	97.65	7.59	ND	ND	90.06	2.42 [2.28]	40.6 [40.4]	159 [156]	296 [300]	498.02 [498.68]	<1.00 [<1.00]	<10 [<10]	<2.00 [<2.00]	<1.00 [<1.00]	<1.00 [<1.00]	94.4 [96.7]	
3/7/2017	97.65	7.14	ND	ND	90.51	13.9 [16.7]	495 [525]	396 [436]	1,840 [1,850]	2,744.9 [2,827.7]	<1.00 [<5.00]	<10 [<50]	<2.00 [<10.0]	<1.00 [<5.00]	<1.00 [<5.00]	186 [226]	
5/1/2017	97.65	4.95	ND	ND	92.70	35.2 [35.2]	975 [995]	627 [657]	2,740 [2,710]	4,377.2 [4,397.2]	<10.0 [<5.00]	<100 [<50]	<20.0 [<10.0]	<10.0 [<5.00]	<10.0 [<5.00]	175 [156]	
11/30/2017	97.65	6.57	ND	ND	91.08	16 [16]	750 [730]	740 [710]	2,600 [2,500]	4,106 [3,956]	<10.0 [<10.0]	<50 [<50]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	180 [170]	
2/20/2018	97.65	5.40	ND	ND	92.25	15 [15]	570 [560]	420 [420]	2,300 [2,300]	3,305 [3,295]	<10 [<10]	<200 [<200]	<10 [<10]	<10 [<10]	<10 [<10]	160 [160]	
10/24/2018	97.65	5.60	ND	ND	92.05	<10 [9.6]	84 [79]	660 [670]	2,300 [2,200]	3,044 [2,958.6]	<10 [<5.0]	<200 [<100]	<10 [<5.0]	<10 [<5.0]	<20 [<10]	160 [190]	
2/21/2019	97.65	4.24	ND	ND	93.41	25 [25]	550 [520]	390 [350]	2,000 [1,900]	2,965 [2,795]	<10 [<5.0]	<200 [<100]	<10 [<5.0]	<10 [<5.0]	<20 [<10]	150 [160]	
11/11/2019	97.65	6.78	ND	ND	90.87	12 [12]	220 [210]	550 [560]	1,600 [1,600]	2,382 [2,382]	<2.5 [<2.5]	<50 [<50]	<2.5 [<2.5]	<2.5 [<2.5]	<5.0 [<5.0]	180 [180]	
6/23/2020	97.65	5.18	ND	ND	92.47	23	310	590 H	1,800 H	2,723 H	<10	<200	<10	<10	<10	210	
11/24/2020	97.65	5.05	ND	ND	92.60	5.5	180	120	750	1,055.5	<2.5	<50	<2.5	<2.5	<2.5	93	
6/22/2021	97.65	5.19	ND	ND	92.46	16 [18]	270 [310]	520 [590]	1,500 [1,800]	2,306 [2,718]	<2.5 [<5.0]	<50 F1 [<100]	<2.5 [<5.0]	<2.5 [<5.0]	<2.5 [<5.0]	190 [160]	
12/13/2021	97.65	6.18	ND	ND	91.47	<2.5 [<2.5]	25 [27]	150 [150]	310 [300]	485 [477]							

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Table 1
Groundwater Monitoring and Analytical Data



Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland

Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-2A		MEAT Groundwater Standard:					5	1,000	700	10,000	--	20	--	--	--	--	0.7
	6/1/2005	97.10	4.74	ND	ND	92.36	1,740	595	2,590	9,200	14,125	829	<500	NA	NA	NA	NA
	12/7/2005	97.10	5.65	ND	ND	91.45	1,580	2,440	2,660	9,530	16,210	670	<630	NA	NA	NA	NA
	5/24/2006	97.10	5.71	ND	ND	91.39	1,570	4,950	2,790	9,990	19,300	599	<630	NA	NA	NA	NA
	11/7/2006	97.10	4.35	ND	ND	92.75	964	3,090	2,550	8,730	15,334	413	189 J	NA	NA	NA	NA
	6/21/2007	97.10	5.26	ND	ND	91.84	456	788	2,290	7,470	11,004	198	<250	NA	NA	NA	NA
	12/11/2007	97.10	5.77	ND	ND	91.33	216	157	569	1,830	2,772	86.4	30.0 J	NA	NA	NA	NA
	3/24/2008	97.10	4.73	ND	ND	92.37	747	529	1,900	3,920	7,096	568	256 J	NA	NA	NA	NA
	6/29/2008	97.10	5.66	ND	ND	91.44	379	4,610	2,160	8,620	15,769	457	<630	<130	<130	<130	462
	8/14/2008	97.10	5.57	ND	ND	91.53	489	4,240	3,310	8,760	16,799	531	<630	<130	<130	46.4 J	652
	11/20/2008	97.10	5.64	5.63	0.01	91.47	817	308	1,770	5,450	8,345	624	<250	<50	<50	55.6	405
	2/11/2009	97.10	4.90	ND	ND	92.20	567	1,220	1,330	4,140	7,257	680	215 J	<50	<50	51.6	306
	4/21/2009	97.10	1.82	ND	ND	95.28	452	4,520	1,860	7,870	14,702	516	<630	<130	<130	64.0 J	299
	7/31/2009	97.10	5.37	ND	ND	91.73	191	1,830	1,270	4,250	7,541	341	<250	<50	<50	38.1 J	316
	10/13/2009	97.10	3.93	ND	ND	93.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/27/2009	97.10	4.51	ND	ND	92.59	266	656	2,530	7,620	11,072	371	<500	<100	<100	48.5 J	360
	1/12/2010	97.10	4.36	ND	ND	92.74	699	231	2,340	4,360	7,630	532	<500	<100	<100	55.2 J	402
	4/21/2010	97.10	4.04	ND	ND	93.06	858	1,070	1,720	2,690	6,338	538	156 J	<50	<50	43.4 J	325
	7/22/2010	97.10	5.10	ND	ND	92.00	544	865	1,590	5,010	8,009	430	<250	<50	<50	54.8	262
	11/23/2010	97.10	5.51	ND	ND	91.59	220	367	2,140	3,980	5,807	169	<130	<25	<25	20.2	223
	3/2/2011	97.10	4.20	ND	ND	92.90	147	702	1,290	4,920	7,059	151	<20	<1	<1	18.4	232
	5/19/2011	97.10	4.40	ND	ND	92.70	373	1,530	1,300	4,050	7,253	274	<20	1.07	<1	23.8	222
	7/12/2011	97.10	5.45	ND	ND	91.65	316	850	1,460	4,690	7,316	207	<200	<10	<10	16.4	243
	10/24/2011	97.10	4.30	ND	ND	92.80	309	466	1,240	4,070	6,085	171	38.8	<1	<1	16.6	200
	2/8/2012	97.10	4.73	ND	ND	92.37	154	570	1,280	3,580	5,584	115	<10	<1	<1	10.4	201
	5/22/2012	97.10	5.79	ND	ND	91.31	216	443	1,550	4,280	6,489	131	<50	<5	<5	11.9	197
	8/14/2012	97.10	6.61	ND	ND	90.49	221	512	1,220	3,820	5,773	138	<10	<2	<1	13.5	252
	10/4/2012	97.10	6.93	ND	ND	90.17	311	754	1,000	3,990	6,055	179	41.3	<2	<1	17.3	187
	2/22/2013	97.10	4.58	ND	ND	92.52	128	858	1,350	3,930	6,266	73.4	<10	<2	<1	8.71	181
	5/1/2013	97.10	4.77	ND	ND	92.33	153	901	1,220	4,170	6,444	101	<10	<2	<1	10.3	199
	8/6/2013	97.10	4.18	ND	ND	92.92	199	651	918	2,510	4,278	117	<10	<2	<1	31.9	179
	10/3/2013	97.10	4.86	ND	ND	92.24	259	1,080	1,210	4,380	6,929	133	<10	<2	<1	11.3	266
	3/6/2014	97.10	3.96	ND	ND	93.14	124	372	1,160	2,830	4,486	73.6	22.2	<2	<1	7.44	280
	6/12/2014	97.10	3.90	ND	ND	93.20	153	547	1,590	4,190	6,480	81.4	<100	<20	<10	<10	280
	9/19/2014	97.10	5.62	ND	ND	91.48	174	630	1,590	4,450	6,844	82.1	<100	<20	<10	<10	386
	11/13/2014	97.10	5.16	ND	ND	91.94	163	297	977	2,670	4,107	90.8	21.4	<2	<1	7.78	128
	3/25/2015	97.10	4.10	ND	ND	93.00	117	387	1,420	2,870	4,794	56.2	<10	<2	<1	5.30	174
	6/25/2015	97.10	3.92	ND	ND	93.18	147	415	991	2,450	4,003	82.0	31.5	<2	<1	<1	196
	7/29/2015	97.10	4.12	ND	ND	92.98	134	456	813	2,600	4,003	84.0	28.2	<2	<1	7.02	179
	10/29/2015	97.10	4.96	ND	ND	92.14	127	368	1,290	2,500	4,285	58.5	<100	<20	<10	<10	202
	2/10/2016	97.10	3.91	ND	ND	93.19	53.1	268	888	1,810	3,019	27.5	<50	<5	<5	<5	176
	5/9/2016	97.10	4.22	ND	ND	92.88	76.8	404	1,830	3,640	5,951	29.2	<50	<10	<5	<5	239
	8/16/2016	97.10	5.74	ND	ND	91.36	<50.0	108	1,320	1,600	3,028	<50.0	<500	<100	<50.0	<50.0	385
	11/8/2016	97.10	6.15	ND	ND	90.95	<5.00	58.3	421	576	1,055	<5.00	<50.0	<10.0	<5.00	<5.00	213
	3/7/2017	97.10	6.25	ND	ND	90.85	56.0	247	1,300	2,040	3,643	<5.00	<50.0	<10.0	<5.00	<5.00	351
	5/1/2017	97.10	4.67	ND	ND	92.43	55.2	248	731	1,320	2,354.2	26.1	<100	<20.0	<10.0	<10.0	192
	11/30/2017	97.10	5.75	ND	ND	91.35	85.0	180	1,000	1,500	2,765	37.0	<50.0	<10.0	<10.0	<10.0	180
	2/20/2018	97.10	4.90	ND	ND	92.20	57	180	930	1,300	2,467	23	<100	<5.0	<5.0	<5.0	200
	10/24/2018	97.10	4.63	ND	ND	92.47	50	180	1,800	1,500	3,530	13	<100	<5.0	<5.0	<10	330
	2/21/2019	97.10	4.00	ND	ND	93.10	53	110	600	930	1,693	23	<200	<10	<10	<20	200
11/11/2019	97.10	5.72	ND	ND	91.38	69	140	2,000	1,400	3,609	20	<100	<5.0	<5.0	<10	410	
6/23/2020	97.10	4.51	ND	ND	92.59	38	180	1,200 H	1,600	3,018 H	12	<50	<2.5	<2.5	<2.5	360	
11/24/2020	97.10	4.48	ND	ND	92.62	25	72	1,100	880	2,077	8.4	<100	<5.0	<5.0	<5.0	250	
6/22/2021	97.10	4.28	ND	ND	92.82	34	120	1,300	1,200	2,654	11	<100	<5.0	<5.0	<5.0	330	
12/13/2021	97.10	5.50	ND	ND	91.60	12	45	1,100	580	1,737	3.1	<10	<0.50	<0.50	<0.50	270	
6/16/2022	97.10	4.40	ND	ND	92.70	24	100	1,300	1,300	2,724	5.9	<100 F1	<5.0	<5.0	<5.0	310	
12/14/2022	97.10	5.45	ND	ND	91.65	7.8	33	880	240	1,161	<5.0	<100	<5.0	<5.0	<5.0	350	
6/26/2023	97.10	6.14	ND	ND	90.96	24	43	640	610	1,317	<5.0	<100	<5.0	<5.0	<5.0	83	
12/6/2023	97.10	5.86	ND	ND	91.24	14	28	790	180	1,012	<5.0	<100	<5.0	<5.0	<5.0	190 cn	
7/10/2024	97.10	5.91	ND	ND	91.19	12	89	1,800	1,900	3,801	<5.0	<100	<5.0	<5.0	<5.0	600	

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Table 1
Groundwater Monitoring and Analytical Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-3A		MEAT Groundwater Standard:					5	1,000	700	10,000	--	20	--	--	--	--	0.7
	6/1/2005	96.99	2.71	ND	ND	94.28	6.7	18	31	108	163	19.8	<25	NA	NA	NA	NA
	12/7/2005	96.99	4.55	ND	ND	92.44	92.0	23.3	99.9	128	343	353	<25	NA	NA	NA	NA
	5/24/2006	96.99	2.72	ND	ND	94.27	<1	1.1	5.7	19	26	47.1	<25	NA	NA	NA	NA
	11/7/2006	96.99	2.06	ND	ND	94.93	3.4	15.2	36.6	126	181	<1	<25	NA	NA	NA	NA
	6/21/2007	96.99	2.45	ND	ND	94.54	278	111	325	991	1,705	17900	<1,300	NA	NA	NA	NA
	12/11/2007	96.99	2.25	ND	ND	94.74	<1	<1	<1	<1	BRL	23.2	<25	NA	NA	NA	NA
	3/24/2008	96.99	2.41	ND	ND	94.58	0.32 J	7.5	14.8	57	79.2 J	0.64 J	<25	NA	NA	NA	NA
	6/29/2008	96.99	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/14/2008	96.99	5.57	ND	ND	91.42	<1	<1	<1	<1	BRL	3.7	<25	<5	<5	<5	<5
	11/20/2008	96.99	2.21	ND	ND	94.78	<1	<1	<1	<1	BRL	0.60 J	<25	<5	<5	<5	<5
	2/11/2009	96.99	2.75	ND	ND	94.24	28.0	13.7	2.8	6	50	67.2	26.0	<5	<5	2.7 J	<5
	4/21/2009	96.99	1.30	ND	ND	95.69	9.6	7.6	1.8	4	23	37.2	21.2 J	<5	<5	1.2 J	<5
	7/31/2009	96.99	2.83	ND	ND	94.16	0.25 J	<1	<1	<1	0.25 J	1.4	<25	<5	<5	<5	<5
	10/13/2009	96.99	2.10	ND	ND	94.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/27/2009	96.99	1.90	ND	ND	95.09	<1	<1	<1	<1	BRL	3.6	<25	<5	<5	<5	<5
	1/12/2010	96.99	2.45	ND	ND	94.54	<1	<1	<1	<1	BRL	18.9	<25	<5	<5	<5	<5
	4/21/2010	96.99	2.26	ND	ND	94.73	23.8	14.2	5.2	9	52	20.9	7.5 J	<5	<5	0.98 J	<5
	7/22/2010	96.99	2.85	ND	ND	94.14	<1	<1	<1	<1	BRL	10.2	<25	<5	<5	<5	<5
	11/23/2010	96.99	4.75	ND	ND	92.24	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	3/2/2011	96.99	2.14	ND	ND	94.85	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	5/19/2011	96.99	2.53	ND	ND	94.46	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	7/12/2011	96.99	5.76	ND	ND	91.23	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	10/24/2011	96.99	2.35	ND	ND	94.64	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5
	2/8/2012	96.99	2.71	ND	ND	94.28	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5
	5/22/2012	96.99	3.30	ND	ND	93.69	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL [BRL]	<1 [<1]	<10 [<10]	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]
	8/14/2012	96.99	7.62	ND	ND	89.37	<1	<1	<1	<3	BRL	8.07	<10	<2	<1	<1	<5
	10/4/2012	96.99	8.63	ND	ND	88.36	8.24	<1	<1	<3	8.24	33.4	14.1	<2	<1	1.12	<5
	2/22/2013	96.99	2.48	ND	ND	94.51	1.31	<1	<1	<3	1.31	1.37	<10	<2	<1	<1	<5
	5/1/2013	96.99	4.36	ND	ND	92.63	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/6/2013	96.99	2.26	ND	ND	94.73	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	10/3/2013	96.99	2.72	ND	ND	94.27	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	3/6/2014	96.99	2.46	ND	ND	94.53	<1	<1	1.41	4.29	5.70	<1	<10	<2	<1	<1	<5
	6/12/2014	96.99	2.42	ND	ND	94.57	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	9/19/2014	96.99	6.08	ND	ND	90.91	<1	<1	<1	<2	BRL	1.16	<10	<2	<1	<1	<5
	11/13/2014	96.99	2.53	ND	ND	94.46	<1	<1	2.49	7.05	9.54	<1	<10	<2	<1	<1	<5
	3/25/2015	96.99	2.31	ND	ND	94.68	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	6/25/2015	96.99	2.09	ND	ND	94.90	1.26	<1	<1	<3	1.26	1.75	<10	<2	<1	<1	<5
	7/29/2015	96.99	2.65	ND	ND	94.34	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	10/29/2015	96.99	2.62	ND	ND	94.37	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	2/10/2016	96.99	2.10	ND	ND	94.89	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	5/9/2016	96.99	2.11	ND	ND	94.88	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/16/2016	96.99	5.12	ND	ND	91.87	<1.00	54.5	<1.00	<3.00	54.50	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	11/8/2016	96.99	6.56	ND	ND	90.43	69.8	1.20	4.63	<3.00	75.63	25.5	<10.0	<2.00	<1.00	2.31	<5.00
	3/7/2017	96.99	5.78	ND	ND	91.21	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00 F1 F2
	5/1/2017	96.99	2.35	ND	ND	94.64	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	11/30/2017	96.99	2.77	ND	ND	94.22	<1.00	<1.00	<1.00	<1.00	BRL	<1.00	<5.00	<1.00	<1.00	<1.00	<4.00
	2/20/2018	96.99	2.22	ND	ND	94.77	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<10	<0.5	<0.5	<0.5	<0.5
	10/24/2018	96.99	2.70	ND	ND	94.29	<0.5	<0.5	1.4	2.5	3.90	<0.5	<10	<0.5	<0.5	<1.0	<0.5
	2/21/2019	96.99	2.00	ND	ND	94.99	<0.5	<0.5	<0.5	0.8	0.80	<0.5	<10	<0.5	<0.5	<1.0	<0.5
11/11/2019	96.99	5.56	ND	ND	91.43	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<1.0	<0.5	
6/23/2020	96.99	2.58	ND	ND	94.41	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<1.0	<0.5	
11/24/2020	96.99	2.59	ND	ND	94.40	<0.50 [<0.50]	<0.50 [<0.50]	0.53 [0.52]	1.2 [1.2]	1.73 [1.72]	<0.50 [<0.50]	<10 [<10]	<0.50 [<0.50]	<0.50 [<0.50]	<0.50 [<0.50]	<0.50 [<0.50]	
6/22/2021	96.99	2.19	ND	ND	94.80	<0.50	<0.50	0.85	1.3	2.15	<0.50	<10	<0.50	<0.50	<0.50	<0.50	
12/13/2021	96.99	5.16	ND	ND	91.83	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50	
6/16/2022	96.99	2.25	ND	ND	94.74	<0.50	<0.50	1.2	1.3	2.5	<0.50	<10	<0.50	<0.50	<0.50	<0.50	
12/14/2022	96.99	2.31	ND	ND	94.68	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50	
6/26/2023	96.99	5.54	ND	ND	91.45	1.5	<0.50	<0.50	<1.0	BRL	2.9	<10	<0.50	<0.50	<0.50	<0.50	
12/6/2023	96.99	2.48	ND	ND	94.51	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50 cn	
7/10/2024	96.99	5.07	ND	ND	91.92	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50	

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Table 1
Groundwater Monitoring and Analytical Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-4		MEAT Groundwater Standard:					5	1,000	700	10,000	--	20	--	--	--	--	0.7
	6/1/2005	97.26	2.55	ND	ND	94.71	6.9	3.8	4.7	10.8	26.2	13.8	ND(25)	NA	NA	NA	NA
	12/7/2005	97.26	2.77	ND	ND	94.49	2.9	0.81 J	7.6	5.7	17.0 J	5.3	ND(25)	NA	NA	NA	NA
	5/24/2006	97.26	2.82	ND	ND	94.44	0.38 J	4.0	16.9	48.1	69.4 J	11.8	ND(25)	NA	NA	NA	NA
	11/7/2006	97.26	2.48	ND	ND	94.78	2.1	2.4	9.3	31.8	45.6	291	ND(25)	NA	NA	NA	NA
	6/21/2007	97.26	2.73	ND	ND	94.53	22.9	30.8	21.8	81.1	156.6	934	ND(100)	NA	NA	NA	NA
MW-5A	12/11/2007	97.26	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/1/2005	95.02	2.40	ND	ND	92.62	132	1,360	1,670	7,270	10,432	<10	<250	NA	NA	NA	NA
	12/7/2005	95.02	3.25	ND	ND	91.77	58.2	230	1130	3,420	4,838	<10	<250	NA	NA	NA	NA
	5/24/2006	95.02	3.72	ND	ND	91.30	22.4	144	661	1,840	2,667	<5	<130	NA	NA	NA	NA
	11/7/2006	95.02	2.09	ND	ND	92.93	136	868	1,370	4,780	7,154	<5	<130	NA	NA	NA	NA
	6/21/2007	95.02	5.35	ND	ND	89.67	49.7	460	929	2,750	4,189	<5	<130	NA	NA	NA	NA
	12/11/2007	95.02	3.63	ND	ND	91.39	20.1	62.3	831	2,520	3,433	<10	<250	NA	NA	NA	NA
	3/24/2008	95.02	2.60	ND	ND	92.42	56.2	306	855	1,940	3,157	<5	<130	NA	NA	NA	NA
	6/29/2008	95.02	4.04	ND	ND	90.98	38.5	251	920	3,200	4,410	<10	<250	<50	<50	<50	246
	8/14/2008	95.02	4.32	ND	ND	90.70	26.0	139	766	2,910	3,841	<5	<130	<25	<25	<25	242
	11/20/2008	95.02	2.42	ND	ND	92.60	111	856	1,180	4,070	6,217	<20	<500	<100	<100	<100	362
	2/11/2009	95.02	2.48	ND	ND	92.54	76.0	900	1,170	4,510	6,656	<10	<250	<50	<50	<50	347
	4/21/2009	95.02	4.76	ND	ND	90.26	29.9	236	574	1,920	2,760	<5	<130	<25	<25	<25	176
	7/31/2009	95.02	2.87	ND	ND	92.15	17.3	108	488	1,570	2,183	<5	<130	<25	<25	<25	169
	10/13/2009	95.02	2.57	ND	ND	92.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/27/2009	95.02	2.06	ND	ND	92.96	41.3	207	876	2,800	3,924	<10	<250	<50	<50	<50	251
	1/12/2010	95.02	1.10	ND	ND	93.92	54.6	609	1,050	3,800	5,514	<10	<250	<50	<50	<50	269
	4/21/2010	95.02	1.44	ND	ND	93.58	89.3	942	1,230	4,710	6,971	<5	<130	<25	<25	<25	295
	7/22/2010	95.02	3.87	ND	ND	91.15	45.6	306	1,030	3,600	4,982	<10	<250	<50	<50	<50	239
	11/23/2010	95.02	3.53	ND	ND	91.49	86.0	531	1,210	4,070	5,897	<10	<250	<50	<50	<50	294
	3/2/2011	95.02	2.41	ND	ND	92.61	32.1	168	841	2,250	3,291.1	<1	<20	<1	<1	<1	227
	5/19/2011	95.02	2.59	ND	ND	92.43	14.1	162	555	1,730	2,461.1	<1	<20	<1	<1	<1	148
	7/12/2011	95.02	3.92	ND	ND	91.10	35.5	323	898	2,530	3,786.5	<1	<20	<1	<1	<1	267
	10/24/2011	95.02	2.18	ND	ND	92.84	49.1	324	887	2,700	3,960.1	<1	<10	<1	<1	<1	248
	2/8/2012	95.02	2.08	ND	ND	92.94	34.3	425	1,070	3,320	4,849	<1	<10	<1	<1	<1	244
	5/22/2012	95.02	3.41	ND	ND	91.61	20.5	239	805	2,530	3594.5	<5	<50	<5	<5	<5	157
	8/14/2012	95.02	6.23	ND	ND	88.79	21.5	165	726	2,130	3,042.5	<1	<10	<2	<1	<1	189
	10/4/2012	95.02	7.23	ND	ND	87.79	27.4 [26.1]	152 [147]	819 [845]	2,460 [2,510]	3,508.4 [3,528.1]	<1 [<1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [<1]	250 [232]
	2/22/2013	95.02	2.75	ND	ND	92.27	21.1	124	901	2,570	3,616.1	<1	<10	<2	<1	<1	181
	5/1/2013	95.02	3.09	ND	ND	91.93	21.1	193	747	2,460	3,421.1	<1	<10	<2	<1	<1	197
	8/6/2013	95.02	2.24	ND	ND	92.78	36.2	230	722	2,170	3,158.2	<1	<10	<2	<1	<1	237
	10/3/2013	95.02	2.79	ND	ND	92.23	38.6	242	813	2,300	3,393.6	<1	<10	<2	<1	<1	266
	3/6/2014	95.02	1.60	ND	ND	93.42	24.3	240	892	2,720	3,876.3	<1	<10	<2	<1	<1	321
	6/12/2014	95.02	2.03	ND	ND	92.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/19/2014	95.02	4.32	ND	ND	90.70	24.2	164	864	2,380	3,432.2	<10	<100	<20	<10	<10	313
	11/13/2014	95.02	3.33	ND	ND	91.69	7.93	42.6	558	1,530	2,138.53	<1	<10	<2	<1	<1	87.4
	3/25/2015	95.02	1.89	ND	ND	93.13	15.4	157	744	2,260	3,176.4	<1	<10	<2	<1	<1	145
	6/25/2015	95.02	2.13	ND	ND	92.89	18.9	139	728	1,900	2,785.9	<1	<10	<2	<1	<1	191
	7/29/2015	95.02	1.78	ND	ND	93.24	26.4	190	763	2,290	3,269.4	<1	<10	<2	<1	<1	222
	10/29/2015	95.02	2.63	ND	ND	92.39	18.8	134	854	2,340	3,346.8	<10	<100	<20	<10	<10	250
	2/10/2016	95.02	1.78	ND	ND	93.24	5.47	53.4	270	999	1,327.9	<5	<50	<5	<5	<5	111
	5/9/2016	95.02	2.05	ND	ND	92.97	5.56	51.3	479	1,490	2,025.86	<5	<50	<10	<5	<5	164
	8/16/2016	95.02	3.51	ND	ND	91.51	<25.0	45.7	730	2,210	2,985.7	<25.0	<250	<50.0	<25.0	<25.0	223
	11/8/2016	95.02	4.73	ND	ND	90.29	<5.00	7.40	277	625	909.4	<5.00	<50.0	<10.0	<5.00	<5.00	120
3/7/2017	95.02	3.40	ND	ND	91.62	<5.00	21.3	468	1,050	1,539.3	<5.00	<50.0	<10.0	<5.00	<5.00	254	

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285 Old Bayview Road
North East, Maryland



Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-5A (cont.)		MEAT Groundwater Standard:					5	1,000	700	10,000	--	20	--	--	--	--	0.7
	5/1/2017	95.02	2.84	ND	ND	92.18	10.9	72.1	529	1,460	2,072	<5.00	<50.0	<10.0	<5.00	<5.00	130
	11/30/2017	95.02	3.35	ND	ND	91.67	<10.0	30.0	530	1,200	1,760	<10.0	<50.0	<10.0	<10.0	<10.0	160
	2/20/2018	95.02	2.53	ND	ND	92.49	6.9	65	560	1,500	2,132	<5.0	<100	<5.0	<5.0	<5.0	180
	10/24/2018	95.02	2.52	ND	ND	92.50	12	51	580	1,400	2,043	<5.0	<100	<5.0	<5.0	<10	180
	2/21/2019	95.02	2.40	ND	ND	92.62	<25	98	670	1,900	2,668	<25	<500	<25	<25	<50	180
	11/11/2019	95.02	4.39	ND	ND	90.63	<10	23	570	1,300	1,893	<10	<200	<10	<10	<20	160
	6/23/2020	95.02	3.10	ND	ND	91.92	4.5 F1 [4.5]	15 [16]	490 [490]	1,200 [1,200]	1,709.5 F1 [1,710]	<2.5 [<2.5]	<50 F1 [<50]	<2.5 [<2.5]	<2.5 [<2.5]	<2.5 [<2.5]	200 [190]
	11/24/2020	95.02	1.95	ND	ND	93.07	<10	<10	410	850	1,260	<10	<200	<10	<10	<10	150
	6/22/2021	95.02	2.53	ND	ND	92.49	<10	29 F1	490	1,300	1,790	<10	<200	<10	<10	<10	150
	12/13/2021	95.02	2.43	ND	ND	92.59	6.1	15	450	1,000	1,471	<2.5	<50	<2.5	<2.5	<2.5	150
	6/16/2022	95.02	2.60	ND	ND	92.42	3.9	12	370	860	1,246	<2.5	<50	<2.5	<2.5	<2.5	130
	12/14/2022	95.02	2.56	ND	ND	92.46	2.5	5.2	400	740	1,148	<2.5	<50	<2.5	<2.5	<2.5	170
	6/26/2023	95.02	4.89	ND	ND	90.13	5.9	22	430	1,200	1,658	<2.5	<50	<2.5	<2.5	<2.5	120
	12/6/2023	95.02	3.95	ND	ND	91.07	5.8 F1 cn	23 cn	410	720	1,158.8 F1 cn	<5.0 cn	<100 F1 cn	<5.0 cn	<5.0 cn	<5.0 cn	160 cn
7/10/2024	95.02	3.86	ND	ND	91.16	<5.0	13	380	950	1,343	<5.0	<100	<5.0	<5.0	<5.0	130	
MW-8	12/7/2005	97.04	2.56	ND	ND	94.48	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA
	5/24/2006	97.04	2.61	ND	ND	94.43	<1	2.0	10.3	34	46	24.3	<25	NA	NA	NA	NA
	11/7/2006	97.04	2.27	ND	ND	94.77	<1	4.1	13.9	49	67	<1	<25	NA	NA	NA	NA
	6/21/2007	97.04	2.53	ND	ND	94.51	104	27.7	130	644	906	8870	<500	NA	NA	NA	NA
	12/11/2007	97.04	2.28	ND	ND	94.76	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA
	3/24/2008	97.04	2.46	ND	ND	94.58	<1	0.3 J	0.7 J	2	2.9 J	18.9	<25	NA	NA	NA	NA
	6/29/2008	97.04	2.92	ND	ND	94.12	<1	<1	<1	<1	BRL	13.5	<25	<5	<5	<5	<5
	8/14/2008	97.04	3.02	ND	ND	94.02	<1	<1	<1	<1	BRL	1.6	<25	<5	<5	<5	<5
	11/20/2008	97.04	2.30	ND	ND	94.74	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	2/11/2009	97.04	2.67	ND	ND	94.37	0.34 J	<1	<1	<1	0.34 J	86.2	13.8 J	<5	<5	0.84 J	<5
	4/21/2009	97.04	1.90	ND	ND	95.14	0.58 J	<1	<1	<1	0.58 J	52.3	86.4	<5	<5	0.95 J	<5
	7/31/2009	97.04	2.55	ND	ND	94.49	0.91 J	9.2	3.3	10	23.0 J	<1	<25	<5	<5	<5	<5
	10/13/2009	97.04	3.00	ND	ND	94.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/27/2009	97.04	4.65	ND	ND	92.39	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	1/12/2010	97.04	2.59	ND	ND	94.45	2.2	<1	1.3	0.95 J	4.5 J	71.8	<25	<5	<5	3.8 J	<5
	4/21/2010	97.04	2.46	ND	ND	94.58	0.28 J	<1	<1	<1	0.28 J	18.5	20.5 J	<5	<5	0.71 J	<5
	7/22/2010	97.04	2.65	ND	ND	94.39	<1	<1	<1	<1	BRL	0.62 J	<25	<5	<5	<5	<5
	11/23/2010	97.04	2.90	ND	ND	94.14	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	3/2/2011	97.04	2.01	ND	ND	95.03	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	5/19/2011	97.04	2.53	ND	ND	94.51	<1	<1	<1	<3	BRL	2.76	<20	<1	<1	<1	<5
	7/12/2011	97.04	4.65	ND	ND	92.39	<1	11.5	15	56.3	82.8	<1	<20	<1	<1	<1	<5
	10/24/2011	97.04	2.59	ND	ND	94.45	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL	1.32 [1.45]	<10 [<10]	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]
	2/8/2012	97.04	2.81	ND	ND	94.23	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL [BRL]	3.46 [3.86]	<10 [<10]	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]
	5/22/2012	97.04	2.85	ND	ND	94.19	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5
	8/14/2012	97.04	3.34	ND	ND	93.70	1.32	<1	<1	<3	1.32	7.33	<10	<2	<1	<1	<5
	10/4/2012	97.04	5.65	ND	ND	91.39	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	2/22/2013	97.04	2.51	ND	ND	94.53	<1	<1	<1	<3	BRL	1.01	<10	<2	<1	<1	<5
	5/1/2013	97.04	2.82	ND	ND	94.22	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/6/2013	97.04	2.35	ND	ND	94.69	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	10/3/2013	97.04	2.74	ND	ND	94.30	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	3/6/2014	97.04	2.46	ND	ND	94.58	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	6/12/2014	97.04	2.47	ND	ND	94.57	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	9/19/2014	97.04	4.92	ND	ND	92.12	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	11/13/2014	97.04	2.61	ND	ND	94.43	<1	<1	<1	2.02	2.02	<1	<10	<2	<1	<1	<5
	3/25/2015	97.04	2.40	ND	ND	94.64	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	6/25/2015	97.04	2.26	ND	ND	94.78	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	7/29/2015	97.04	2.73	ND	ND	94.31	<1	<1	<1	<3	BRL	1.29	<10	<2	<1	<1	<5
	10/29/2015	97.04	2.52	ND	ND	94.52	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	2/10/2016	97.04	2.15	ND	ND	94.89	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	5/9/2016	97.04	2.16	ND	ND	94.88	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/16/2016	97.04	3.07	ND	ND	93.97	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	11/8/2016	97.04	5.22	ND	ND	91.82	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	3/7/2017	97.04	2.99	ND	ND	94.05	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	5/1/2017	97.04	2.41	ND	ND	94.63	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00

See Notes on Page 13.

Table 1
Groundwater Monitoring and Analytical Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-8 (cont.)	11/30/2017	97.04	2.80	ND	ND	94.24	5	1,000	700	10,000	--	20	--	--	--	--	0.7
	2/20/2018	97.04	2.22	ND	ND	94.82	<1.00	<1.00	<1.00	1	1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<4.00
	10/24/2018	97.04	2.78	ND	ND	94.26	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<10	<0.5	<0.5	<0.5	
	2/21/2019	97.04	2.00	ND	ND	95.04	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<10	<0.5	<0.5	<1.0	<0.5
	11/11/2019	97.04	2.94	ND	ND	94.10	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<1.0	<0.5
	6/23/2020	97.04	2.58	ND	ND	94.46	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<1.0	<0.5
	11/24/2020	97.04	2.64	ND	ND	94.40	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50
	6/22/2021	97.04	2.24	ND	ND	94.80	<0.50	<0.50	0.53	<1.0	0.53	<0.50	<10	<0.50	<0.50	<0.50	<0.50
	12/13/2021	97.04	3.01	ND	ND	94.03	<0.50	<0.50	0.93	<1.0	0.93	<0.50	<10	<0.50	<0.50	<0.50	0.65
	6/16/2022	97.04	2.26	ND	ND	94.78	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50
	12/14/2022	97.04	2.34	ND	ND	94.70	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50
	6/26/2023	97.04	2.97	ND	ND	94.07	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50
	12/6/2023	97.04	2.49	ND	ND	94.55	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50 cn
	7/10/2024	97.04	3.00	ND	ND	94.04	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50
MW-10	6/1/2005	93.35	3.82	ND	ND	89.53	9	1	4	7	21	9.3	<25	NA	NA	NA	NA
	12/7/2005	93.35	4.51	ND	ND	88.84	24.7	0.38 J	26.8	8	59.4 J	19.6	<25	NA	NA	NA	NA
	5/24/2006	93.35	4.67	ND	ND	88.68	13.3	0.52 J	5.8	4	23.6 J	45.7	25.3	NA	NA	NA	NA
	11/7/2006	93.35	4.04	ND	ND	89.31	11.2	38.1	83.9	266	399	164	127	NA	NA	NA	NA
	6/21/2007	93.35	4.54	ND	ND	88.81	18.9	7.4	20.1	46	93	42.5	<25	NA	NA	NA	NA
	12/11/2007	93.35	3.73	ND	ND	89.62	0.85 J	2.6	10.1	28	41.1 J	22.5	<25	NA	NA	NA	NA
	3/24/2008	93.35	4.10	ND	ND	89.25	0.39 J	3.4	7.9	21	32.3 J	6.7	<25	NA	NA	NA	NA
	6/29/2008	93.35	4.40	ND	ND	88.95	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	8/14/2008	93.35	4.75	ND	ND	88.60	<1	<1	<1	0.45 J	0.45 J	<1	<25	<5	<5	<5	<5
	11/20/2008	93.35	4.56	ND	ND	88.79	3.6	<1	2.0	<1	6	11.6	<25	<5	<5	<5	<5
	2/11/2009	93.35	4.27	ND	ND	89.08	<1	<1	<1	<1	BRL	3.0	<25	<5	<5	<5	<5
	4/21/2009	93.35	2.72	ND	ND	90.63	<1	<1	<1	<1	BRL	1.4	<25	<5	<5	<5	<5
	7/31/2009	93.35	4.31	ND	ND	89.04	<1	0.65 J	0.30 J	0.69 J	1.64 J	<1	<25	<5	<5	<5	<5
	10/13/2009	93.35	3.87	ND	ND	89.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/27/2009	93.35	3.33	ND	ND	90.02	<1	<1	<1	<1	BRL	0.40 J	<25	<5	<5	<5	<5
	1/12/2010	93.35	3.41	ND	ND	89.94	0.30 J	<1	<1	<1	0.30 J	2.7	<25	<5	<5	<5	<5
	4/21/2010	93.35	2.94	ND	ND	90.41	<1	0.40 J	1.2	4	5.8 J	0.57 J	<25	<5	<5	<5	<5
	7/22/2010	93.35	4.41	ND	ND	88.94	<1	0.58 J	0.61 J	2	3.2 J	1.6	<25	<5	<5	<5	<5
	11/23/2010	93.35	4.71	ND	ND	88.64	5	0.82 J	13.5	5	24.2 J	40.3	30.4	<5	<5	<5	<5
	3/2/2011	93.35	3.96	ND	ND	89.39	<1	<1	<1	<3	BRL	1.37	<20	<1	<1	<1	<5
	5/19/2011	93.35	3.55	ND	ND	89.80	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	7/12/2011	93.35	4.40	ND	ND	88.95	<1	<1	<1	<3	BRL	15.4	<20	<1	<1	<1	<5
	10/24/2011	93.35	4.07	ND	ND	89.28	<1	<1	<1	<3	BRL	19.3	<10	<1	<1	<1	<5
	2/8/2012	93.35	4.10	ND	ND	89.25	<1	<1	<1	<3	BRL	2.49	<10	<1	<1	<1	<5
	5/22/2012	93.35	4.76	ND	ND	88.59	<1	<1	<1	<3	BRL	17	<10	<1	<1	<1	<5
	8/14/2012	93.35	4.15	ND	ND	89.20	<1	<1	1.07	<3	1.07	27.3	28.7	<2	<1	<1	<5
	10/4/2012	93.35	4.35	ND	ND	89.00	<1	<1	<1	<3	BRL	10.5	<10	<2	<1	<1	<5
	2/22/2013	93.35	4.35	ND	ND	89.00	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	5/1/2013	93.35	4.01	ND	ND	89.34	<1	<1	<1	<3	BRL	1.53	26.6	<2	<1	<1	<5
	8/6/2013	93.35	3.42	ND	ND	89.93	<1	<1	<1	<2	BRL	5.31	<10	<2	<1	<1	<5
	10/3/2013	93.35	4.09	ND	ND	89.26	<1	<1	<1	<2	BRL	1.96	<10	<2	<1	<1	<5
	3/6/2014	93.35	2.99	ND	ND	90.36	<1	<1	<1	<3	BRL	1.12	<10	<2	<1	<1	<5
	6/12/2014	93.35	2.81	ND	ND	90.54	1.03	<1	<1	<2	1.03	5.08	<10	<2	<1	<1	<5
	9/19/2014	93.35	4.31	ND	ND	89.04	1.25	<1	<1	<2	1.25	5.19	<10	<2	<1	<1	<5
	11/13/2014	93.35	4.54	ND	ND	88.81	<1	<1	<1	<2	BRL	3.79	<10	<2	<1	<1	<5
	3/25/2015	93.35	3.16	ND	ND	90.19	<1	<1	<1	<2	BRL	1.89	<10	<2	<1	<1	<5
	6/25/2015	93.35	3.38	ND	ND	89.97	<1	<1	<1	<3	BRL	2.94	<10	<2	<1	<1	<5
	7/29/2015	93.35	3.56	ND	ND	89.79	<1	<1	<1	<3	BRL	2.48	<10	<2	<1	<1	<5
	10/29/2015	93.35	4.01	ND	ND	89.34	<1	<1	<1	<3	BRL	10.2	<10	<2	<1	<1	<5
	2/10/2016	93.35	3.23	ND	ND	90.12	<1	<1	<1	<3	BRL	23	<10	<2	<1	<1	<5
	5/9/2016	93.35	4.01	ND	ND	89.34	<1	<1	<1	<3	BRL	23.4	28.8	<2	<1	<1	<5
	8/16/2016	93.35	4.82	ND	ND	88.53	45.0	<1.00	39.9	<3.00	84.90	42.9	51.6	<2.00	<1.00	<1.00	<5.00
	11/8/2016	93.35	5.01	ND	ND	88.34	<1.00	<1.00	<1.00	<3.00	BRL	1.63	<10.0	<2.00	<1.00	<1.00	<5.00
	3/7/2017	93.35	4.86	ND	ND	88.49	<1.00	<1.00	<1.00	<3.00	BRL	1.58	<10.0	<2.00	<1.00	<1.00	<5.00
	5/1/2017	93.35	4.00	ND	ND	89.35	<1.00	<1.00	<1.00	<3.00	BRL	5.65	<10.0	<2.00	<1.00	<1.00	<5.00

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Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-10 (cont.)	11/30/2017	93.35	4.75	ND	ND	88.60	5	1,000	700	10,000	--	20	--	--	--	--	0.7
	2/20/2018	93.35	3.61	ND	ND	89.74	<1.00	<1.00	<1.00	1	1.0	20	16	<1.00	<1.00	<1.00	<4.00
	10/24/2018	93.35	3.73	ND	ND	89.62	<0.5	<0.5	<0.5	0.7	0.7	2.3	<10	<0.5	<0.5	<0.5	<0.5
	2/21/2019	93.35	2.36	ND	ND	90.99	<0.5	<0.5	<0.5	0.9	0.9	<0.5	<10	<0.5	<0.5	<1.0	<0.5
	11/11/2019	93.35	4.54	ND	ND	88.81	<0.5	<0.5	<0.5	0.6	1.5	2.1	<10	<0.5	<0.5	<1.0	<0.5
	6/23/2020	93.35	3.27	ND	ND	90.08	<0.5	<0.5	<0.5	<1.0	BRL	4.2	<10	<0.5	<0.5	<1.0	<0.5
	11/24/2020	93.35	3.96	ND	ND	89.39	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50
	6/22/2021	93.35	3.22	ND	ND	90.13	<0.50	<0.50	<0.50	<1.0	BRL	2.5	<10	<0.50	<0.50	<0.50	<0.50
	12/13/2021	93.35	4.32	ND	ND	89.03	<0.50	<0.50	1.3	2.8	4.1	1.2	<10	<0.50	<0.50	<0.50	0.55
	6/16/2022	93.35	3.30	ND	ND	90.05	<2.5	<2.5	<2.5	<5.0	BRL	4.3	<50	<2.5	<2.5	<2.5	<2.5
	12/14/2022	93.35	4.50	ND	ND	88.85	<2.5	<2.5	<2.5	<5.0	BRL	2.8	<50	<2.5	<2.5	<2.5	<2.5
	6/26/2023	93.35	3.47	ND	ND	89.88	<2.5	<2.5	<2.5	<5.0	BRL	<0.50	<50	<2.5	<2.5	<2.5	<2.5
	12/6/2023	93.35	4.76	ND	ND	88.59	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50 cn
7/10/2024	93.35	4.55	ND	ND	88.80	<0.50	0.69	1.1	1.7	3.5	<0.50	<10	<0.50	<0.50	<0.50	<0.50	
MW-11	6/1/2005	96.64	7.84	ND	ND	88.80	461	1,410	1,690	5,380	8,941	748	185	NA	NA	NA	NA
	12/7/2005	96.64	8.48	ND	ND	88.16	504	488	839	2,500	4,331	614	<130	NA	NA	NA	NA
	5/24/2006	96.64	8.52	ND	ND	88.12	270	317	729	1,920	3,236	422	<130	NA	NA	NA	NA
	11/7/2006	96.64	6.10	ND	ND	90.54	148	117	463	921	1,649	206	55.8	NA	NA	NA	NA
	6/21/2007	96.64	8.16	ND	ND	88.48	102	64.0	341	423	930	185	<25	NA	NA	NA	NA
	12/11/2007	96.64	9.15	ND	ND	87.49	275	307	833	2,060	3,475	328	<250	NA	NA	NA	NA
	3/24/2008	96.64	6.07	ND	ND	90.57	135	117	443	1,160	1,855	289	69.3 J	NA	NA	NA	NA
	6/29/2008	96.64	7.96	ND	ND	88.68	14.0	12.4	12.7	159	198	65.4	<25	<5	<5	4.2 J	19.0
	8/14/2008	96.64	7.78	ND	ND	88.86	3.0	0.42 J	0.96 J	6	10.5 J	36.7	<25	<5	<5	0.92 J	2.1 J
	11/20/2008	96.64	9.18	ND	ND	87.46	131	89.5	738	1,570	2,529	214	<130	<25	<25	<25	212
	2/11/2009	96.64	6.87	ND	ND	89.77	65.8	63.1	333	781	1,243	149	34.8	<5	<5	10.7	87.3
	4/21/2009	96.64	5.68	ND	ND	90.96	60.6	48.9	360	758	1,228	142	34.5 J	<13	<13	10.9 J	84.9
	7/31/2009	96.64	8.45	ND	ND	88.19	60.4	47.0	521	523	1,151	169	<50	<10	<10	11.9	118
	10/13/2009	96.64	6.73	ND	ND	89.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/27/2009	96.64	6.23	ND	ND	90.41	<1	<1	<1	<1	BRL	16.1	<25	<5	<5	<5	<5
	1/12/2010	96.64	5.22	ND	ND	91.42	8.9	4.5	70.9	95	180	19.2	<25	<5	<5	1.4 J	16.0
	4/21/2010	96.64	4.93	ND	ND	91.71	29.6	11.3	198	241	480	76.1	16.2 J	<5	<5	4.5 J	51.8
	7/22/2010	96.64	9.31	ND	ND	87.33	78.7	64.2	884	1,210	2,237	206	<63	<13	<13	17.4	213
	11/23/2010	96.64	8.85	ND	ND	87.79	103	65.4	422	566	1,156	176	30.8	<5	<5	11.8	143
	3/2/2011	96.64	5.96	ND	ND	90.68	4.64	4	47	66	121	12.8	<20	<1	<1	<1	9.29
	5/19/2011	96.64	5.99	ND	ND	90.65	16.4	12	126	203	357	41.7	<20	<1	<1	<1	35.2
	7/12/2011	96.64	8.58	ND	ND	88.06	51.6	37.8	432	487	1,008.4	120	<20	<1	<1	8.06	87.5
	10/24/2011	96.64	6.36	ND	ND	90.28	15.6	12	158	218	403.6	36.4	<10	<1	<1	2.31	44.8
	2/8/2012	96.64	5.96	ND	ND	90.68	9.95	10.4	143	228	391	26	<10	<1	<1	<1	41.5
	5/22/2012	96.64	9.10	ND	ND	87.54	31.4	17	291	404	743.4	87.4	13.3	<1	<1	6.17	65.9
	8/14/2012	96.64	10.51	ND	ND	86.13	71.2	56.8	848	1,270	2,246.0	142	<10	<2	<1	9.86	157
	10/4/2012	96.64	10.82	ND	ND	85.82	103	72.9	667	967	1,809.9	148	32.7	<2	<1	12.1	193
	2/22/2013	96.64	6.40	ND	ND	90.24	8.17 [10.2]	4.39 [6.51]	92.7 [129]	70.3 [125]	175.56 [270.71]	<1 [14.1]	<10 [<10]	<2 [<2]	<1 [<1]	<1 [1.1]	24.6 [9.39]
	5/1/2013	96.64	6.63	ND	ND	90.01	15.9	15.6	251	455	737.5	52.4	<10	<2	<1	3.87	76
	8/6/2013	96.64	5.23	ND	ND	91.41	2.91	<1	15	7.81	25.72	8.31	<10	<2	<1	<1	16.3
	10/3/2013	96.64	6.88	ND	ND	89.76	6.65	1.89	70.8	36.4	115.74	21.0	<10	<2	<1	1.56	42.2
	3/6/2014	96.64	4.42	ND	ND	92.22	<1	1.05	3.85	7.92	12.82	<1	<10	<2	<1	<1	<5
	6/12/2014	96.64	5.34	ND	ND	91.30	1.10	1.33	15.2	13.2	30.83	3.44	<10	<2	<1	<1	7.40
	9/19/2014	96.64	9.59	ND	ND	87.05	12.1	9.91	210	244	476.01	39.1	<10	<2	<1	3.63	77.8
	11/13/2014	96.64	8.39	ND	ND	88.25	13.8	11.8	304	328	657.6	46.5	<10	<2	<1	3.72	36.1
	3/25/2015	96.64	4.65	ND	ND	91.99	1.06	1.34	36.6	23.3	62.30	2.52	<10	<2	<1	<1	11.2
	6/25/2015	96.64	4.91	ND	ND	91.73	1.09	1.36	12.9	15.6	30.95	3.87	<10	<2	<1	<1	8.86
	7/29/2015	96.64	5.80	ND	ND	90.84	1.83	1.23	37.8	31.9	72.76	6.38	<10	<2	<1	<1	16.6
	10/29/2015	96.64	6.71	ND	ND	89.93	4.37	2.77	114	72.2	193.34	20.3	<10	<2	<1	<1	44.5
	2/10/2016	96.64	4.04	ND	ND	92.60	<1	<1	<1	<2	BRL	<1	<10	<1	<1	<1	<1
	5/9/2016	96.64	5.89	ND	ND	90.75	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/16/2016	96.64	9.17	ND	ND	87.47	6.15	5.84	154	188	353.99	30.0	<10.0	<2.00	<1.00	2.64	93.7
	11/8/2016	96.64	10.25	ND	ND	86.39	7.29	4.75	177	153	342.04	34.1	<10.0	<2.00	<1.00	2.52	78.4
	3/7/2017	96.64	9.23	ND	ND	87.41	<1.00	<1.00	37.8	13.5	51.3	<1.00	<10.0	<2.00	<1.00	<1.00	8.31
	5/1/2017	96.64	6.15	ND	ND	90.49	<1.00	<1.00	4.95	<3.00	4.95	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00

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Table 1
Groundwater Monitoring and Analytical Data



Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland

Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-11 (cont.)	11/30/2017	96.64	8.78	ND	ND	87.86	5	1,000	700	10,000	--	20	--	--	--	--	0.7
	2/20/2018	96.64	6.52	ND	ND	90.12	<1.00	<1.00	14.0	6.0	20.0	1.0	<5.00	<1.00	<1.00	<1.00	<4.00
	10/24/2018	96.64	6.65	ND	ND	89.99	<0.5	<0.5	4.6	1.5	6.1	<0.5	<10	<0.5	<0.5	<0.5	2.70
	2/21/2019	96.64	3.10	ND	ND	93.54	<0.5	<0.5	2.7	0.7	3.4	<0.5	<10	<0.5	<0.5	<1.0	1.70
	11/11/2019	96.64	9.44	ND	ND	87.20	<0.5	<0.5	2.7	4.8	7.5	<0.5	<10	<0.5	<0.5	<1.0	0.90
	6/23/2020	96.64	5.39	ND	ND	91.25	<0.5	<0.5	2.3	1.7	4.0	0.8	<10	<0.5	<0.5	<1.0	2.3
	11/24/2020	96.64	5.96	ND	ND	90.68	<0.5	<0.5	2.4	2.2	4.6	<0.5	<10	<0.5	<0.5	<1.0	0.84
	6/22/2021	96.64	5.82	ND	ND	90.82	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50
	12/13/2021	96.64	8.20	ND	ND	88.44	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	0.50
	6/16/2022	96.64	6.33	ND	ND	90.31	<0.50	<0.50	1.7	1.1	2.8	<0.50	<10	<0.50	<0.50	<0.50	1.2
	12/14/2022	96.64	8.44	ND	ND	88.20	<0.50	<0.50	1.4	<1.0	1.4	<0.50	<10	<0.50	<0.50	<0.50	0.91
	6/26/2023	96.64	9.56	ND	ND	87.08	<0.50	<0.50	47	39	86	0.92	<10	<0.50	<0.50	<0.50	14
	12/6/2023	96.64	9.31	ND	ND	87.33	<0.50	<0.50	<0.50	82	82	2.5	<10	<0.50	<0.50	<0.50	53
7/10/2024	96.64	8.42	ND	ND	88.22	0.56	<0.50	36	28	64.56	1.2	<10	<0.50	<0.50	<0.50	19 cn	
MW-12	6/1/2005	100.00	10.50	ND	ND	89.50	<0.50 cn	1.5 cn	8.8	8.2 cn	18.5	0.76 cn	<10 cn	<0.50 cn	<0.50 cn	<0.50 cn	13
	12/7/2005	100.00	12.65	ND	ND	87.35	3.6	<2	<2	<2	3.6	283	<50	NA	NA	NA	NA
	5/24/2006	100.00	13.16	ND	ND	86.84	0.45 J	<1	0.72 J	1.3	2.5 J	135	<25	NA	NA	NA	NA
	11/7/2006	100.00	8.19	ND	ND	91.81	4.0	25.1	31.7	101	162	198	<50	NA	NA	NA	NA
	6/21/2007	100.00	12.97	ND	ND	87.03	1.2	7.6	26.9	75.0	110.7	161	<25	NA	NA	NA	NA
	12/11/2007	100.00	15.78	ND	ND	84.22	1.8	7.3	15.4	48.6	73.1	224	<25	NA	NA	NA	NA
	3/24/2008	100.00	7.98	ND	ND	92.02	<1	0.92 J	16.6	56.3	73.8 J	25.7	<25	NA	NA	NA	NA
	6/29/2008	100.00	12.35	ND	ND	87.65	0.84 J	0.38 J	1.3	4.1	6.6 J	144	11.2 J	NA	NA	NA	NA
	8/14/2008	100.00	13.85	ND	ND	86.15	0.85 J	<1	<1	<1	0.85 J	153	9.8 J	<5	<5	27.4	1.4 J
	11/20/2008	100.00	14.53	ND	ND	85.47	<1	<1	<1	<1	BRL	126	<25	<5	<5	21.6	<5
	2/11/2009	100.00	9.07	ND	ND	90.93	<1	<1	<1	<1	BRL	56.0	<25	<5	<5	<5	<5
	4/21/2009	100.00	8.62	ND	ND	91.38	0.31 J	<1	0.31 J	0.81 J	1.43 J	114	<25	<5	<5	14.3	1.4 J
	7/31/2009	100.00	13.86	ND	ND	86.14	<1	<1	<1	<1	BRL	96.7	13.2 J	<5	<5	16.6	<5
	10/13/2009	100.00	10.90	ND	ND	89.10	<1	<1	<1	<1	BRL	38.8	<25	<5	<5	4.9 J	<5
	10/27/2009	100.00	8.54	ND	ND	91.46	NS	NS	NS	NS	NS	NS	<25	<5	<5	<5	<5
	1/12/2010	100.00	7.36	ND	ND	92.64	<1	<1	<1	<1	BRL	38.8	<25	<5	<5	4.9 J	<5
	4/21/2010	100.00	7.39	ND	ND	92.61	0.32 J	<1	<1	<1	0.32 J	90.4	<25	<5	<5	<5	<5
	7/22/2010	100.00	15.90	ND	ND	84.10	1.4	<1	0.86 J	0.64 J	2.9 J	80.9	<25	<5	<5	13.2	2.6 J
	11/23/2010	100.00	14.50	ND	ND	85.50	<1	1.1	1.3	5.0	7.4	53.0	<25	<5	<5	13.1	<5
	3/2/2011	100.00	7.72	ND	ND	92.28	<1	<1	0.42 J	1.4	1.8 J	19.1	<25	<5	<5	3.2 J	<5
	5/19/2011	100.00	8.63	ND	ND	91.37	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL	36.8 [35.5]	<20 [<20]	<1 [<1]	<1 [<1]	6.32 [5.99]	<5 [<5]
	7/12/2011	100.00	14.09	ND	ND	85.91	<1 [<1]	<1 [<1]	1.15 [1.02]	<3 [<3]	BRL	60.9 [54.1]	<20 [<20]	<1 [<1]	<1 [<1]	<1 [10.6]	5.01 [<5]
	10/24/2011	100.00	8.48	ND	ND	91.52	<1	<1	<1	<3	BRL	37	<20	<1	<1	6.78	<5
	2/8/2012	100.00	8.33	ND	ND	91.67	<1	1.62	<1	<3	1.62	28.9	<10	<1	<1	4.82	<5
	5/22/2012	100.00	14.55	ND	ND	85.45	<1	<1	<1	<3	BRL	43.9	<10	<1	<1	<1	<5
	8/14/2012	100.00	17.95	ND	ND	82.05	<1	<1	<1	<3	BRL	27.1	<10	<1	<1	4.11	<5
	10/4/2012	100.00	Dry	ND	ND	Dry	NS	NS	NS	NS	NS	NS	<10	<1	<1	<1	<5
	2/22/2013	100.00	8.42	ND	ND	91.58	NS	NS	NS	NS	NS	NS	<10	<1	<1	<1	<5
	5/1/2013	100.00	9.13	ND	ND	90.87	<1	<1	<1	<3	BRL	9.48	<10	<2	<1	1.41	<5
	8/6/2013	100.00	7.25	ND	ND	92.75	<1	<1	<1	<3	BRL	27.4	<10	<2	<1	5.24	<5
	10/3/2013	100.00	9.83	ND	ND	90.17	<1	<1	<1	<2	BRL	16.7	<10	<2	<1	3.06	<5
	3/6/2014	100.00	6.91	ND	ND	93.09	<1	<1	<1	<2	BRL	13.7	<10	<2	<1	<1	<5
	6/12/2014	100.00	8.38	ND	ND	91.62	<1	<1	<1	<3	BRL	15.2	<10	<2	<1	2.46	<5
	9/19/2014	100.00	16.21	ND	ND	83.79	<1	<1	<1	<2	BRL	9.81	<10	<2	<1	1.86	<5
	11/13/2014	100.00	13.29	ND	ND	86.71	<1	<1	<1	<2	BRL	7.25	<10	<2	<1	1.16	<5
	3/25/2015	100.00	6.73	ND	ND	93.27	<1	<1	<1	<2	BRL	3.28	<10	<2	<1	<1	<5
	6/25/2015	100.00	7.31	ND	ND	92.69	<1	<1	<1	<2	BRL	4.55	<10	<2	<1	<1	<5
	7/29/2015	100.00	8.58	ND	ND	91.42	<1	<1	<1	<3	BRL	5.87	<10	<2	<1	1.38	<5
	10/29/2015	100.00	13.98	ND	ND	86.02	<1	<1	<1	<3	BRL	5.73	<10	<2	<1	1.35	<5
	2/10/2016	100.00	6.51	ND	ND	93.49	<1	<1	<1	<3	BRL	1.77	<10	<2	<1	<1	<5
	5/9/2016	100.00	8.49	ND	ND	91.51	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/16/2016	100.00	15.12	ND	ND	84.88	<1	<1	<1	<3	BRL	1.39	<10	<2	<1	<1	<5
	11/8/2016	100.00	17.17	ND	ND	82.83	<1.00	16.6	<1.00	<3.00	16.6	5.47	<10.0	<2.00	<2.00	<1.00	<5.00
	3/7/2017	100.00	14.44	ND	ND	85.56	<1.00	<1.00	<1.00	<3.00	BRL	1.16	<10.0	<2.00	<1.00	<1.00	<5.00
	5/1/2017	100.00	8.12	ND	ND	91.88	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	5/1/2017	100.00	8.12	ND	ND	91.88	<1.00	<1.00	<1.00	<3.00	BRL	1.98	<10.0	<2.00	<1.00	<1.00	<5.00

See Notes on Page 13.

Table 1
Groundwater Monitoring and Analytical Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-13	MEAT Groundwater Standard:						5	1,000	700	10,000	--	20	--	--	--	--	0.7
	6/1/2005	94.38	9.60	ND	ND	84.78	0.99 J	11.7	62.3	225	300 J	2.2	<25	NA	NA	NA	NA
	12/7/2005	94.38	10.93	ND	ND	83.45	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA
	5/24/2006	94.38	12.06	ND	ND	82.32	1.4	16.3	25.5	83.9	127.1	<1	<25	NA	NA	NA	NA
	11/7/2006	94.38	7.87	ND	ND	86.51	<1	1.5	7.3	21.2	30.0	<1	<25	NA	NA	NA	NA
	6/21/2007	94.38	11.29	ND	ND	83.09	<1	7.0	15.4	48.0	70.4	<1	<25	NA	NA	NA	NA
	12/11/2007	94.38	11.61	ND	ND	82.77	<1	0.76 J	10.5	31.0	42.3 J	<1	<25	NA	NA	NA	NA
	3/24/2008	94.38	7.58	ND	ND	86.80	<1	1.8	21.8	63.7	87.3	2.1	<25	NA	NA	NA	NA
	6/29/2008	94.38	11.11	ND	ND	83.27	<1	<1	<1	0.91 J	0.91 J	0.46 J	<25	<5	<5	<5	<5
	8/14/2008	94.38	12.62	ND	ND	81.76	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	11/20/2008	94.38	11.97	ND	ND	82.41	<1	<1	0.56 J	1.3	1.9 J	0.64 J	<25	<5	<5	<5	<5
	2/11/2009	94.38	9.52	ND	ND	84.86	<1	2.0	25.3	73.5	100.8	3.5	<25	<5	<5	<5	11.8
	4/21/2009	94.38	3.75	ND	ND	90.63	<1	0.45 J	8.0	18.3	26.8 J	1.7	<25	<5	<5	<5	3.2 J
	7/31/2009	94.38	12.49	ND	ND	81.89	1.2	1.3	2.1	9.3	13.9	5.5	<25	<5	<5	<5	5.3
	10/13/2009	94.38	10.00	ND	ND	84.38	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	10/27/2009	94.38	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/12/2010	94.38	6.36	ND	ND	88.02	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	4/21/2010	94.38	6.55	ND	ND	87.83	<1	<1	<1	<1	BRL	1.5	<25	<5	<5	<5	<5
	7/22/2010	94.38	14.77	ND	ND	79.61	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	11/23/2010	94.38	14.40	ND	ND	79.98	<1	<1	0.44 J	1.1	1.5 J	0.46 J	<25	<5	<5	<5	<5
	3/2/2011	94.38	4.58	ND	ND	89.80	<1	<1	5.25	11.8	17	<1	<20	<1	<1	<1	<5
	5/19/2011	94.38	8.85	ND	ND	85.53	<1	<1	13.9	46.5	60	3.27	<20	<1	<1	<1	7.24
	7/12/2011	94.38	12.63	ND	ND	81.75	<1	<1	14	43	57	5.76	<20	<1	<1	<1	17.1
	10/24/2011	94.38	6.83	ND	ND	87.55	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5
	2/8/2012	94.38	5.90	ND	ND	88.48	<1	<1	1.78	3.88	6	<1	<10	<1	<1	<1	<5
	5/22/2012	94.38	13.05	ND	ND	81.33	<1	<1	2.72	<3	2.72	2.09	<10	<1	<1	<1	<5
	8/14/2012	94.38	17.93	ND	ND	76.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/4/2012	94.38	17.96	ND	ND	76.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2013	94.38	6.63	ND	ND	87.75	<1	<1	2.8	5.07	7.87	<1	<10	<2	<1	<1	<5
	5/1/2013	94.38	9.34	ND	ND	85.04	<1	<1	9.56	25.6	35.16	1.95	28	<2	<1	<1	<5
	8/6/2013	94.38	5.22	ND	ND	89.16	<1	<1	3.34	5.64	8.98	1.56	<10	<2	<1	<1	5.24
	10/3/2013	94.38	8.91	ND	ND	85.47	<1	<1	6.58	19.4	25.98	2.41	<10	<2	<1	<1	<5
	3/6/2014	94.38	3.95	ND	ND	90.43	<1	<1	1.97	<3	1.97	<1	<10	<2	<1	<1	<5
	6/12/2014	94.38	5.88	ND	ND	88.50	<1	<1	11.9	30.2	42.1	1.98	<10	<2	<1	<1	<5
	9/19/2014	94.38	14.89	ND	ND	79.49	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	11/13/2014	94.38	11.54	ND	ND	82.84	<1	1.35	<1	<2	1.35	<1	<10	<2	<1	<1	<5
	3/25/2015	94.38	4.68	ND	ND	89.70	<1	<1	2.59	<2	2.59	1.29	<10	<2	<1	<1	<5
	6/25/2015	94.38	3.94	ND	ND	90.44	<1	<1	<1	<3	BRL	8.19	28.6	<2	<1	<1	<5
	7/29/2015	94.38	7.66	ND	ND	86.72	<1	<1	16.9	32.4	49.3	3.22	<10	<2	<1	<1	5.68
	10/29/2015	94.38	8.89	ND	ND	85.49	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	2/10/2016	94.38	2.29	ND	ND	92.09	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	5/9/2016	94.38	4.59	ND	ND	89.79	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/16/2016	94.38	14.08	ND	ND	80.30	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	11/9/2016	94.38	16.71	ND	ND	77.67	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	3/7/2017	94.38	11.75	ND	ND	82.63	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	5/1/2017	94.38	5.55	ND	ND	88.83	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
MW-14	6/1/2005	93.10	11.90	ND	ND	81.20	456	51.1	50.8	144	702	102	<50	NA	NA	NA	NA
	12/7/2005	93.10	11.58	ND	ND	81.52	<1	5.3	<1	<1	5.3	<1	<25	NA	NA	NA	NA
	5/24/2006	93.10	12.88	ND	ND	80.22	66.7	14.8	23.5	86.1	191.1	25.9	23.2 J	NA	NA	NA	NA
	11/7/2006	93.10	8.87	ND	ND	84.23	62.9	3.1	8.8	35.9	110.7	28.5	24.4 J	NA	NA	NA	NA
	6/21/2007	93.10	12.69	ND	ND	80.41	580	75.8	87.3	225	968	142	141	NA	NA	NA	NA

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Table 1
Groundwater Monitoring and Analytical Data



Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland

Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-14 (cont.)	MEAT Groundwater Standard:						5	1,000	700	10,000	--	20	--	--	--	--	0.7
	12/11/2007	93.10	10.25	ND	ND	82.85	<1	0.31 J	2.9	9.5	12.7 J	<1	<25	NA	NA	NA	NA
	3/24/2008	93.10	8.40	ND	ND	84.70	4.7	0.41 J	0.47 J	1	7 J	5.3	<25	NA	NA	NA	NA
	6/29/2008	93.10	12.50	ND	ND	80.60	27.0	2.8	1.7	19.8	51.3	32.5	11.3 J	<5	<5	<5	2.9 J
	8/14/2008	93.10	14.52	ND	ND	78.58	104	0.33 J	1.3	11.5	117 J	61.7	42.2	0.80 J	<5	<5	15.9
	11/20/2008	93.10	12.32	ND	ND	80.78	0.72 J	<1	<1	<1	0.72 J	2.4	<25	<5	<5	<5	<5
	2/11/2009	93.10	10.33	ND	ND	82.77	19.8	1.1	1.2	2.7	24.8	18.2	11.3 J	<5	<5	<5	1.5 J
	4/21/2009	93.10	7.85	ND	ND	85.25	2.0	<1	<1	<1	2.0	3.6	<25	<5	<5	<5	<5
	7/31/2009	93.10	13.09	ND	ND	80.01	109	4.9	1.7	33.1	149	69.6	44.2	1.1 J	<5	<5	11.2
	10/13/2009	93.10	11.37	ND	ND	81.73	41.7	4.4	<1	7.3	53.4	23.7	17.1 J	0.38 J	<5	<5	6.0
	10/27/2009	93.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/12/2010	93.10	8.54	ND	ND	84.56	<1	<1	<1	<1	BRL	7.1	<25	<5	<5	<5	<5
	4/21/2010	93.10	5.98	ND	ND	87.12	45	10.1	9.0	38.0	102.1	39.6	21.4 J	0.57 J	<5	<5	10.4
	7/22/2010	93.10	15.94	ND	ND	77.16	118	0.61 J	0.90 J	20.4	140 J	109	100	1.9 J	<5	<5	28.8
	11/23/2010	93.10	17.50	ND	ND	75.60	<1	0.50 J	0.54 J	0.27 J	1.31 J	<1	<25	<5	<5	<5	1.6 J
	3/2/2011	93.10	7.59	ND	ND	85.51	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	5/19/2011	93.10	9.91	ND	ND	83.19	28.1	17.9	22.4	62.7	131	49.4	<20	<1	<1	<1	8.02
	7/12/2011	93.10	13.98	ND	ND	79.12	161 [151]	<1 [<1]	11.5 [9.9]	61.9 [52.7]	234.4 [213.6]	79.1 [78.4]	31.7 [31.1]	<1 [<1]	<1 [<1]	1.29 [1.27]	42.2 [35.7]
	10/24/2011	93.10	9.91	ND	ND	83.19	14.6 [13.3]	<1 [<1]	<1 [<1]	4.11 [3.67]	18.71 [16.97]	14.1 [13]	<10 [<10]	<1 [<1]	<1 [<1]	<1 [<1]	<5 [<5]
	2/8/2012	93.10	9.09	ND	ND	84.01	9.79	<1	<1	6.09	16	17.4	<10	<1	<1	<1	<5
	5/22/2012	93.10	15.07	ND	ND	78.03	22.4	<1	<1	<3	22.4	65.1	13	<1	<1	<1	7.29
	8/14/2012	93.10	18.05	ND	ND	75.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/4/2012	93.10	Dry	ND	ND	Dry	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2013	93.10	9.57	ND	ND	83.53	<1	1.32	3.46	12.2	16.98	<1	<10	<2	<1	<1	<5
	5/1/2013	93.10	10.82	ND	ND	82.28	<1	<1	<1	<3	BRL	5.7	<10	<2	<1	<1	<5
	8/6/2013	93.10	7.67	ND	ND	85.43	2.4	<1	<1	8.29	10.69	10.1	<10	<2	<1	<1	<5
	10/3/2013	93.10	11.24	ND	ND	81.86	10.6	<1	<1	2.58	13.18	24.9	<10	<2	<1	<1	9.44
	3/6/2014	93.10	7.26	ND	ND	85.84	<1	<1	<1	<3	BRL	1.15	<10	<2	<1	<1	<5
	6/12/2014	93.10	9.68	ND	ND	83.42	31.2	5.76	9.49	41.8	88.25	41.7	20.7	<2	<1	<1	15.3
	9/19/2014	93.10	16.21	ND	ND	76.89	22.3	<1	<1	2.93	25.23	39.0	10.3	<2	<1	1.12	7.41
	11/13/2014	93.10	12.59	ND	ND	80.51	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	3/25/2015	93.10	7.83	ND	ND	85.27	1.09	<1	<1	<2	1.09	3.69	<10	<2	<1	<1	<5
	6/25/2015	93.10	7.16	ND	ND	85.94	<1	<1	<1	<3	BRL	1.11	<10	<2	<1	<1	<5
7/29/2015	93.10	9.53	ND	ND	83.57	4.21	<1	<1	<3	4.21	5.88	<10	<2	<1	<1	<5	
10/29/2015	93.10	9.30	ND	ND	83.80	<1	<1	<1	<3	BRL	1.43	<10	<2	<1	<1	<5	
2/10/2016	93.10	4.78	ND	ND	88.32	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	
5/9/2016	93.10	9.00	ND	ND	84.10	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5	
8/16/2016	93.10	15.00	ND	ND	78.10	<1.00	8.62	<1.00	<3.00	8.62	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00	
11/9/2016	93.10	17.25	ND	ND	75.85	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00	
3/7/2017	93.10	12.32	ND	ND	80.78	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00	
5/1/2017	93.10	9.39	ND	ND	83.71	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00	
MW-15	6/1/2005	92.40	8.31	ND	ND	84.09	1.6	<1	0.87 J	2.3	4.8 J	<1	<25	NA	NA	NA	NA
	12/7/2005	92.40	6.02	ND	ND	86.38	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA
	5/24/2006	92.40	8.51	ND	ND	83.89	0.68 J	8.5	15.8	51.7	76.7 J	<1	<25	NA	NA	NA	NA
	11/7/2006	92.40	5.32	ND	ND	87.08	<1	2.7	10.7	31.9	45.3	<1	<25	NA	NA	NA	NA
	6/21/2007	92.40	11.29	ND	ND	81.11	1.8	5.0	11.6	35.5	53.9	<1	<25	NA	NA	NA	NA
	12/11/2007	92.40	7.31	ND	ND	85.09	<1	<1	1.6	5.3	6.9	<1	<25	NA	NA	NA	NA
	3/24/2008	92.40	5.22	ND	ND	87.18	0.78 J	<1	<1	<1	0.78 J	<1	<25	NA	NA	NA	NA
	6/29/2008	92.40	7.79	ND	ND	84.61	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	8/14/2008	92.40	9.00	ND	ND	83.40	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
11/20/2008	92.40	4.84	ND	ND	87.56	1.2	<1	<1	<1	1.2	<1	<25	<5	<5	<5	<5	

See Notes on Page 13.

Table 1
Groundwater Monitoring and Analytical Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-15 (cont.)	MEAT Groundwater Standard:						5	1,000	700	10,000	--	20	--	--	--	--	0.7
	2/11/2009	92.40	6.66	ND	ND	85.74	2.3	<1	0.63 J	0.65 J	3.6 J	<1	<25	<5	<5	<5	2.0 J
	4/21/2009	92.40	1.90	ND	ND	90.50	0.60 J	<1	<1	<1	0.60 J	1.1	<25	<5	<5	<5	<5
	7/31/2009	92.40	8.55	ND	ND	83.85	0.55 J	4.7	1.5	4.6	11.4 J	<1	<25	<5	<5	<5	<5
	10/13/2009	92.40	7.90	ND	ND	84.50	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	10/27/2009	92.40	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/12/2010	92.40	5.21	ND	ND	87.19	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	4/21/2010	92.40	5.88	ND	ND	86.52	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	7/22/2010	92.40	10.31	ND	ND	82.09	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	11/23/2010	92.40	11.14	ND	ND	81.26	1.7	<1	0.34 J	0.27 J	2.3 J	<1	<25	<5	<5	<5	<5
	3/2/2011	92.40	3.94	ND	ND	88.46	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	5/19/2011	92.40	6.56	ND	ND	85.84	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	7/12/2011	92.40	8.88	ND	ND	83.52	1.4	<1	<1	<3	1.4	<1	<20	<1	<1	<1	<5
	10/24/2011	92.40	6.76	ND	ND	85.64	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5
	2/8/2012	92.40	7.45	ND	ND	84.95	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5
	5/22/2012	92.40	9.45	ND	ND	82.95	1.89	<1	<1	<3	1.89	<1	<10	<1	<1	<1	<5
	8/14/2012	92.40	11.82	ND	ND	80.58	4.05	<1	1.88	<3	5.93	<1	<10	<2	<1	<1	<5
	10/4/2012	92.40	13.96	ND	ND	78.44	10.5	<1	8.57	<3	19.07	<1	<10	<2	<1	<1	<5
	2/22/2013	92.40	6.10	ND	ND	86.30	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	5/1/2013	92.40	7.11	ND	ND	85.29	<1	1.04	2.47	7.96	11.47	<1	15.5	<2	<1	<1	<5
	8/6/2013	92.40	4.15	ND	ND	88.25	<1	<1	1	2.97	3.97	<1	<10	<2	<1	<1	5.86
	10/3/2013	92.40	7.41	ND	ND	84.99	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	3/6/2014	92.40	4.46	ND	ND	87.94	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	6/12/2014	92.40	6.78	ND	ND	85.62	1.78	<1	<1	<2	1.78	<1	<10	<2	<1	<1	<5
	9/19/2014	92.40	10.42	ND	ND	81.98	5.75	<1	1.53	<2	7.28	<1	<10	<2	<1	<1	5.79
	11/13/2014	92.40	8.89	ND	ND	83.51	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	3/25/2015	92.40	4.86	ND	ND	87.54	<1	<1	<1	2.09	2.09	<1	<10	<2	<1	<1	<5
	6/25/2015	92.40	3.78	ND	ND	88.62	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	7/29/2015	92.40	6.74	ND	ND	85.66	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	10/29/2015	92.40	9.24	ND	ND	83.16	1.96	<1	<1	<3	1.96	<1	<10	<2	<1	<1	<5
	2/10/2016	92.40	3.94	ND	ND	88.46	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	5/9/2016	92.40	5.72	ND	ND	86.68	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/16/2016	92.40	9.87	ND	ND	82.53	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	11/8/2016	92.40	11.11	ND	ND	81.29	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	3/7/2017	92.40	8.15	ND	ND	84.25	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
	5/1/2017	92.40	5.91	ND	ND	86.49	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
MW-16	6/1/2005	90.30	7.42	ND	ND	82.88	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA
	12/7/2005	90.30	6.12	ND	ND	84.18	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA
	5/24/2006	90.30	7.50	ND	ND	82.80	<1	2.0	6.0	31.6	39.6	<1	<25	NA	NA	NA	NA
	11/7/2006	90.30	5.16	ND	ND	85.14	0.51 J	4.7	17.8	51.1	74.1 J	<1	<25	NA	NA	NA	NA
	6/21/2007	90.30	8.50	ND	ND	81.80	<1	9.8	19.8	61.8	91.4	<1	<25	NA	NA	NA	NA
	12/11/2007	90.30	5.84	ND	ND	84.46	<1	<1	1.0	3.3	4.3	<1	<25	NA	NA	NA	NA
	3/24/2008	90.30	5.13	ND	ND	85.17	<1	<1	<1	<1	BRL	<1	<25	NA	NA	NA	NA
	6/29/2008	90.30	7.19	ND	ND	83.11	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	8/14/2008	90.30	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/20/2008	90.30	9.43	ND	ND	80.87	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	2/11/2009	90.30	6.05	ND	ND	84.25	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	4/21/2009	90.30	4.15	ND	ND	86.15	<1	<1	<1	<1	BRL	0.54 J	<25	<5	<5	<5	<5
	7/31/2009	90.30	6.50	ND	ND	83.80	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	10/13/2009	90.30	5.15	ND	ND	85.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/27/2009	90.30	3.95	ND	ND	86.35	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5

See Notes on Page 13.

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Groundwater Monitoring and Analytical Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
MW-16 (cont.)	MEAT Groundwater Standard:						5	1,000	700	10,000	--	20	--	--	--	--	0.7
	1/12/2010	90.30	5.16	ND	ND	85.14	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	4/21/2010	90.30	4.96	ND	ND	85.34	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	7/22/2010	90.30	8.49	ND	ND	81.81	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	11/23/2010	90.30	7.49	ND	ND	82.81	<1	<1	<1	<1	BRL	<1	<25	<5	<5	<5	<5
	3/2/2011	90.30	4.89	ND	ND	85.41	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	5/19/2011	90.30	5.36	ND	ND	84.94	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	7/12/2011	90.30	8.84	ND	ND	81.46	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5
	10/24/2011	90.30	5.48	ND	ND	84.82	<1	<1	1.3	4.55	BRL	<1	<10	<1	<1	<1	<5
	2/8/2012	90.30	5.41	ND	ND	84.89	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5
	5/22/2012	90.30	8.83	ND	ND	81.47	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5
	8/14/2012	90.30	11.87	ND	ND	78.43	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	10/4/2012	90.30	10.99	ND	ND	79.31	<1	<1	1.09	<3	1.09	<1	<10	<2	<1	<1	<5
	2/22/2013	90.30	5.70	ND	ND	84.60	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	5/1/2013	90.30	5.94	ND	ND	84.36	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/6/2013	90.30	4.56	ND	ND	85.74	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	10/3/2013	90.30	6.01	ND	ND	84.29	<1	<1	1.12	3.11	4.23	<1	<10	<2	<1	<1	<5
	3/6/2014	90.30	4.83	ND	ND	85.47	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	6/12/2014	90.30	5.65	ND	ND	84.65	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	9/19/2014	90.30	10.90	ND	ND	79.40	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	11/13/2014	90.30	8.55	ND	ND	81.75	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	3/25/2015	90.30	5.22	ND	ND	85.08	<1	<1	<1	<2	BRL	<1	<10	<2	<1	<1	<5
	6/25/2015	90.30	5.07	ND	ND	85.23	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	7/29/2015	90.30	6.17	ND	ND	84.13	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	10/29/2015	90.30	8.36	ND	ND	81.94	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	2/10/2016	90.30	4.90	ND	ND	85.40	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	5/9/2016	90.30	6.05	ND	ND	84.25	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	8/16/2016	90.30	11.01	ND	ND	79.29	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00
11/8/2016	90.30	10.05	ND	ND	80.25	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00	
3/7/2017	90.30	8.34	ND	ND	81.96	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00	
5/1/2017	90.30	5.81	ND	ND	84.49	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<10.0	<2.00	<1.00	<1.00	<5.00	
INJ-1	2/22/2013	100.49	6.52	ND	ND	93.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/1/2013	100.49	NM	ND	ND	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/6/2013	100.49	NM	ND	ND	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2013	100.49	7.01	ND	ND	93.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/6/2014	100.49	3.63	ND	ND	96.86	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/2014	100.49	5.41	ND	ND	95.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/18/2014	100.49	10.80	ND	ND	89.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/13/2014	100.49	9.47	ND	ND	91.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/25/2015	100.49	4.19	ND	ND	96.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/25/2015	100.49	4.65	ND	ND	95.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/29/2015	100.49	5.91	ND	ND	94.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/29/2015	100.49	8.97	ND	ND	91.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/10/2016	100.49	3.69	ND	ND	96.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/9/2016	100.49	6.06	ND	ND	94.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/16/2016	100.49	10.21	ND	ND	90.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
11/8/2016	100.49	12.03	ND	ND	88.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
INJ-2	2/22/2013	101.50	4.60	ND	ND	96.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/1/2013	101.50	NM	ND	ND	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/6/2013	101.50	NM	ND	ND	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2013	101.50	3.38	ND	ND	98.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

See Notes on Page 13.

Table 1
Groundwater Monitoring and Analytical Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Gauging Data					Analytical Data										
		Top of Casing Elevation (ft AMSL)	Depth to Water (ft BTOC)	Depth to PSH (ft BTOC)	PSH Thickness (ft)	Corrected Groundwater Elevation (ft AMSL)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	t-Butyl Alcohol	di-Isopropyl Ether	ETBE	TAME	Naphthalene
		MEAT Groundwater Standard:					5	1,000	700	10,000	--	20	--	--	--	--	0.7
INJ-2 (cont.)	3/6/2014	101.50	3.04	ND	ND	98.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/2014	101.50	3.01	ND	ND	98.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/18/2014	101.50	4.44	ND	ND	97.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/13/2014	101.50	3.52	ND	ND	97.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/25/2015	101.50	2.95	ND	ND	98.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/25/2015	101.50	2.81	ND	ND	98.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/29/2015	101.50	3.15	ND	ND	98.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/29/2015	101.50	3.23	ND	ND	98.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/10/2016	101.50	2.80	ND	ND	98.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/9/2016	101.50	2.94	ND	ND	98.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/16/2016	101.50	4.27	ND	ND	97.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/8/2016	101.50	4.92	ND	ND	96.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
INJ-3	2/22/2013	100.49	4.10	ND	ND	96.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/1/2013	100.49	NM	ND	ND	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/6/2013	100.49	NM	ND	ND	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2013	100.49	4.41	ND	ND	96.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/6/2014	100.49	3.57	ND	ND	96.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/2014	100.49	3.74	ND	ND	96.75	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/18/2014	100.49	5.81	ND	ND	94.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/13/2014	100.49	4.77	ND	ND	95.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/25/2015	100.49	3.70	ND	ND	96.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/25/2015	100.49	3.65	ND	ND	96.84	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/29/2015	100.49	4.16	ND	ND	96.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/29/2015	100.49	3.45	ND	ND	97.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/10/2016	100.49	3.03	ND	ND	97.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/9/2016	100.49	3.78	ND	ND	96.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/16/2016	100.49	5.31	ND	ND	95.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/8/2016	100.49	6.40	ND	ND	94.09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon	12/6/2023	100.49	0.00	ND	ND	100.49	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50 cn

Notes:

1. All concentrations are reported in micrograms per liter (µg/L).

2. Bold Concentrations exceed the MEAT (Maryland Environmental Assessment Technology) Groundwater Standard.

3. Values listed inside brackets are duplicate sample results.

4. Groundwater elevation is calculated in the presence of PSH by the following formula: (Top of Casing - Depth to Water) + (Thickness of PSH * Specific Gravity) where specific gravity of PSH is assumed to be 0.73.

Definitions:

--: No Standard exists
<: Not detected at or above the listed laboratory reporting limit
AMSL: Above Mean Sea Level
BRL: Below laboratory reporting limits
BTEX: Benzene, toluene, ethylbenzene, and total xylenes
BTOC: Below Top of Casing
DIPE: Di-Isopropyl Ether
ETBE: Ethyl Tertiary Butyl Ether
F1: Matrix spike and/or Matrix Spike Duplicate are outside of recovery limits
F2: Matrix spike and/or Matrix Spike Duplicate exceed control limits
cn: Refer to Case Narrative for further detail
TAME: Tertiary Amyl Methyl Ether

J: Indicates an estimated value
MTBE: Methyl Tert Butyl Ether
NA: Not Analyzed
ND: Not Detected
NM: Not Measured
NS: Not Sampled
PSH: Phase Separated Hydrocarbons
*3: retention time outside acceptable range

Table 2
Monitored Natural Attenuation Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Laboratory Analytical				Field Parameters				
		Sulfate (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Nitrate/Nitrite (mg/L)	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)
MEAT Groundwater Standard:		--	2,600	--	--	--	--	--	--	--
MW-1A	2/22/2013	NS	NS	NS	NS	6.42	0.236	12.22	0.69	-38
	5/1/2013	NS	NS	NS	NS	6.15	0.226	14.17	0.25	-27.2
	8/6/2013	NS	Jul-06	NS	NS	5.85	0.232	17.26	1.49	81.9
	10/3/2013	NS	NS	NS	NS	5.48	0.239	19.48	0.82	30.4
	3/6/2014	NS	NS	NS	NS	6.26	0.228	13.22	4.08	-54.2
	6/12/2014	NS	NS	NS	NS	6.00	0.216	14.73	0.33	-10.6
	9/19/2014	<1 [<1]	5.85 [5.35]	4.19 [4.30]	<0.1 [<0.1]	6.06	0.172	18.81	0.28	-139.1
	11/13/2014	<1 [<1]	4.41 [4.47]	3.63 [3.58]	<0.1 [<0.1]	6.10	0.227	19.22	3.04	-17.6
	3/25/2015	<1 [<1]	9.47 [8.89]	1.11 [0.884]	<0.1 [<0.1]	6.03	0.247	11.98	1.06	-61.3
	6/25/2015	<1 [<1]	4.94 [5.43]	3.24 [2.43]	<0.1 [<0.1]	6.04	0.263	17.09	1.19	-44.0
	7/29/2015	<1 [<1]	6.25 [6.31]	4.68 [4.84]	<0.1 [0.1]	11.32	0.245	17.57	0.18	-185.6
	10/29/2015	<1 [<1]	9.38 [9.21]	--	<0.1 [<0.1]	6.38	0.239	19.51	0.45	-233.0
	2/10/2016	1.24 [1.25]	5.64 [5.46]	4.21 [4.70]	<0.10 [<0.10]	5.98	0.167	10.39	1.47	14.5
	5/10/2016	<1 [<1]	6.81 [6.62]	5.17 [5.15]	<0.1 [<0.1]	6.40	0.195	14.32	0.28	-7.8
	8/16/2016	1.73	6.30	1.46	<0.100	6.11	0.241	25.80	0.74	-21.6
	11/8/2016	1.19 F1	4.59	3.79	<0.100	6.14	0.209	17.73	NR	-39.0
	3/7/2017	NS	NS	NS	NS	5.96	0.208	14.36	0.78	-27.0
	5/1/2017	NS	NS	NS	NS	5.59	0.211	15.56	2.00	36.3
	11/30/2017	NS	NS	NS	NS	7.20	0.197	18.60	1.25	-0.7
	2/20/2018	NS	NS	NS	NS	6.49	0.152	12.38	1.67	-15.5
	10/24/2018	NS	NS	NS	NS	6.44	0.265	16.91	2.79	15.8
	2/21/2019	NS	NS	NS	NS	6.01	0.196	14.12	0.75	-6.2
	11/11/2019	NS	NS	NS	NS	6.78	0.250	20.43	1.52	-65.0
	6/23/2020	NS	NS	NS	NS	6.60	0.254	17.80	0.93	-36.9
	11/24/2020	NS	NS	NS	NS	6.50	0.229	17.69	0.74	-138.2
	6/22/2021	NS	NS	NS	NS	6.42	0.195	16.50	1.23	-33.3
	12/13/2021	NS	NS	NS	NS	6.60	0.188	17.24	2.77	-37.0
	6/16/2022	NS	NS	NS	NS	6.41	0.192	16.40	0.71	4.0
	12/14/2022	NS	NS	NS	NS	6.56	0.189	16.18	1.54	-98.4
	6/26/2023	NS	NS	NS	NS	6.56	0.189	16.18	1.54	-98.4
	9/26/2023	NS	NS	NS	NS	6.19	0.191	19.43	2.02	-43
	12/6/2023	NS	NS	NS	NS	6.24	0.180	18.20	1.85	-31.9
	7/10/2024	NS	NS	NS	NS	6.50	0.150	22.06	0.77	24.8
MW-2A	2/22/2013	NS	NS	NS	NS	6.49	0.360	12.81	3.42	-49
	5/1/2013	NS	NS	NS	NS	6.49	0.328	14.52	0.29	-100.9
	8/6/2013	NS	NS	NS	NS	6.24	0.349	17.34	0.48	9.8
	10/3/2013	NS	NS	NS	NS	6.22	0.328	20.25	0.24	-63.4
	3/6/2014	NS	NS	NS	NS	6.71	0.334	11.24	4.37	-95.8
	6/12/2014	NS	NS	NS	NS	6.37	0.338	15.45	0.31	-66.5
	9/19/2014	1.76	41.0	5.08	<0.1	6.33	0.319	20.17	0.70	-106.3
	11/13/2014	<1	14.1	5.07	<0.1	6.46	0.369	18.97	3.17	-77.4
	3/25/2015	<1	9.94	1.08	<0.1	6.37	0.315	9.53	2.29	-37.4
	6/25/2015	9,990	11.6	1.46	<0.1	6.28	0.291	20.30	1.59	-52.3
	7/29/2015	<1	13.1	5.26	<0.1	11.39	0.317	18.00	0.24	-180.9
	10/29/2015	<1	18.6	--	<0.1	6.64	0.351	18.87	0.52	-188.7
	2/11/2016	<1.00	10.3	0.125	<0.1	7.85	0.212	8.60	1.17	-74.1
	5/10/2016	<1	18.1	2.29	<0.1	6.52	0.264	14.25	0.39	-28.0
	8/16/2016	<1.00	14.4	0.128	<0.100	5.93	0.272	26.31	0.99	-29.1
	11/8/2016	<1.00	9.23	1.20	<0.100	6.61	0.257	20.85	NR	-75.0
	3/7/2017	NS	NS	NS	NS	6.56	0.303	14.47	1.35	-63.7
	5/1/2017	NS	NS	NS	NS	6.47	0.288	15.64	1.58	-30.8
	11/30/2017	NS	NS	NS	NS	7.29	0.303	18.65	3.87	-13.6
	2/20/2018	NS	NS	NS	NS	6.8	0.216	12.22	1.22	-0.3
	10/24/2018	NS	NS	NS	NS	6.56	0.374	16.75	1.41	-40.7
	2/21/2019	NS	NS	NS	NS	6.47	0.286	13.92	0.74	-34.3
	11/11/2019	NS	NS	NS	NS	6.69	0.328	19.54	2.77	-57.3
	6/23/2020	NS	NS	NS	NS	6.89	0.363	18.90	1.55	-45.9
	11/24/2020	NS	NS	NS	NS	6.63	0.368	17.65	1.34	-130.4
	6/22/2021	NS	NS	NS	NS	6.42	0.304	16.98	1.73	-34.8
	12/13/2021	NS	NS	NS	NS	6.74	0.268	17.00	4.17	-59.9
	6/16/2022	NS	NS	NS	NS	6.82	0.306	16.82	3.36	-31
	12/14/2022	NS	NS	NS	NS	6.80	0.300	15.89	1.80	-118.1
	6/26/2023	NS	NS	NS	NS	6.80	0.300	15.89	1.80	-118.1
	9/26/2023	NS	NS	NS	NS	6.28	0.290	20.27	4.63	-48.0
	12/6/2023	NS	NS	NS	NS	6.43	0.268	17.50	3.17	-47.7
	7/10/2024	NS	NS	NS	NS	6.59	0.210	29.34	0.23	25.87
MW-3A	2/22/2013	NS	NS	NS	NS	6.91	0.535	13.68	4.10	152
	5/1/2013	NS	NS	NS	NS	6.79	0.437	14.45	2.39	125.8
	8/6/2013	NS	NS	NS	NS	6.68	0.345	16.84	5.07	273.5
	10/3/2013	NS	NS	NS	NS	4.96	0.309	18.66	0.45	24.7
	3/6/2014	NS	NS	NS	NS	7.34	0.269	14.17	8.89	42.7
	6/12/2014	NS	NS	NS	NS	6.59	0.351	15.14	4.28	56.5
	9/19/2014	38.4	0.855	<0.1	0.246	6.49	0.295	17.48	1.02	93.6
	11/13/2014	43.6	0.217	<0.1	1.34	6.93	0.293	18.72	6.00	-13.7
	3/25/2015	22.0	1.10	<0.1	1.20	7.04	0.357	11.53	7.77	205.9
	6/25/2015	116	0.736	<0.1	0.722	6.78	0.537	18.47	3.81	99.5
	7/29/2015	97.8	3.19	0.127	0.430	7.04	0.533	16.61	1.95	-133.9
	10/29/2015	61.5	8.42	--	0.896	7.20	0.391	18.52	3.52	-141.9
	2/12/2016	21.0	2.22	<0.100	0.952	7.56	0.259	7.97	2.49	36.1
	5/10/2016	31.1	<1	<1	0.883	7.19	0.235	14.92	5.32	200.5
	8/16/2016	67.6	0.141	<0.100	0.294	6.68	0.475	22.66	1.41	70.3
	11/8/2016	35.0	1.230	0.315	<0.100	6.58	0.262	21.35	NR	28.0

See Notes on Page 6.

Table 2
Monitored Natural Attenuation Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Laboratory Analytical				Field Parameters				
		Sulfate (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Nitrate/Nitrite (mg/L)	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)
MEAT Groundwater Standard:		--	2,600	--	--	--	--	--	--	--
MW-3A (cont.)	3/7/2017	NS	NS	NS	NS	6.93	0.219	14.98	4.23	20.1
	5/1/2017	NS	NS	NS	NS	7.07	0.368	16.18	3.68	28.3
	11/30/2017	NS	NS	NS	NS	8.16	0.163	18.03	9.80	27.0
	2/20/2018	NS	NS	NS	NS	7.33	0.187	12.2	7.74	109.6
	10/24/2018	NS	NS	NS	NS	7.13	0.395	17.55	3.35	-9.66
	2/21/2019	NS	NS	NS	NS	7.03	0.217	13.96	5.55	75.5
	11/11/2019	NS	NS	NS	NS	6.62	0.232	19.65	5.33	130.2
	6/23/2020	NS	NS	NS	NS	7.37	0.414	18.39	2.70	103.2
	11/24/2020	NS	NS	NS	NS	7.29	0.182	17.16	5.06	-242.9
	6/22/2021	NS	NS	NS	NS	7.02	0.309	16.77	4.46	73.7
	12/13/2021	NS	NS	NS	NS	7.29	0.252	17.39	3.88	50.4
	6/16/2022	NS	NS	NS	NS	7.46	0.433	17.46	1.18	-32
	12/14/2022	NS	NS	NS	NS	7.47	0.148	16.43	5.35	-121.6
	6/26/2023	NS	NS	NS	NS	7.47	0.148	16.43	5.35	-121.6
	9/26/2023	NS	NS	NS	NS	6.57	0.130	22.68	5.63	263
12/6/2023	NS	NS	NS	NS	7.03	0.105	16.5	9.29	138	
7/10/2024	NS	NS	NS	NS	7.34	0.230	20.06	2.75	-8.3	
MW-4	6/1/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/7/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/24/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/7/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/11/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5A	2/22/2013	NS	NS	NS	NS	6.01	1.11	14.99	3.26	21
	5/1/2013	NS	NS	NS	NS	5.91	0.716	15.26	0.21	-3.7
	8/6/2013	NS	NS	NS	NS	5.73	0.938	17.72	3.07	41.9
	10/3/2013	NS	NS	NS	NS	5.55	0.605	18.95	0.55	45.9
	3/6/2014	NS	NS	NS	NS	6.13	2.081	14.72	2.93	-53.4
	6/12/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/19/2014	<1	8.21	6.39	<0.1	5.68	0.452	20.96	0.25	-53.0
	11/13/2014	1.73	15.2	2.02	<0.1	6.19	0.708	18.52	4.87	-25.8
	3/25/2015	18.9	29.9	16.5	<0.1	5.91	7.116	13.36	1.32	-123.3
	6/25/2015	<1	17.8	9.50	0.310	5.78	2.245	13.07	1.41	-7.2
	7/29/2015	<1	16.6	10.70	<0.1	5.94	2.032	17.71	0.13	6.3
	10/29/2015	<1	10.1	--	<0.1	7.23	0.582	18.58	0.20	-37.4
	2/10/2016	9.25	16.3	14.3	<0.1	6.02	1.614	10	0.79	-2.7
	5/10/2016	<1	14.7	11.9	<0.1	6.09	0.631	16.02	0.23	24.5
	8/16/2016	<1.00	7.53	7.25	<0.100	5.30	0.530	23.08	0.52	72.6
	11/8/2016	<1.00	13.7	12.6	<0.100	5.95	0.483	22.06	NR	12.0
	3/7/2017	NS	NS	NS	NS	6.07	0.625	15.37	1.12	-9.2
	5/1/2017	NS	NS	NS	NS	6.03	0.602	16.68	3.19	40.0
	11/30/2017	NS	NS	NS	NS	7.68	0.494	16.99	4.10	25.4
	2/20/2018	NS	NS	NS	NS	6.05	1.018	15.95	1.12	47.2
	10/24/2018	NS	NS	NS	NS	5.89	0.636	18.11	1.57	42.9
	2/21/2019	NS	NS	NS	NS	5.69	0.946	14.89	0.68	11.7
	11/11/2019	NS	NS	NS	NS	5.75	0.502	20.35	1.06	68.3
	6/23/2020	NS	NS	NS	NS	6.15	0.572	18.57	1.32	39.9
	11/24/2020	NS	NS	NS	NS	6.17	0.547	18.18	3.19	-159.8
	6/22/2021	NS	NS	NS	NS	6.08	0.495	18.35	0.91	-4.5
	12/13/2021	NS	NS	NS	NS	6.23	0.440	17.29	4.19	18.1
	6/16/2022	NS	NS	NS	NS	6.25	0.457	18.69	0.87	17
12/14/2022	NS	NS	NS	NS	6.42	0.513	15.23	2.18	-103.1	
6/26/2023	NS	NS	NS	NS	6.42	0.513	15.23	2.18	-103.1	
9/26/2023	NS	NS	NS	NS	5.72	0.394	22.83	2.25	57	
12/6/2023	NS	NS	NS	NS	5.97	0.398	17.6	4.65	20.9	
7/10/2024	NS	NS	NS	NS	5.82	0.318	19.17	0.88	25.9	
MW-8	2/22/2013	NS	NS	NS	NS	6.91	0.665	7.57	8.55	189
	5/1/2013	NS	NS	NS	NS	7.10	0.346	13.93	5.03	83.0
	8/6/2013	NS	NS	NS	NS	7.02	0.361	27.41	5.58	170.7
	10/3/2013	NS	NS	NS	NS	6.78	0.386	24.39	1.14	21.9
	3/6/2014	NS	NS	NS	NS	7.35	0.256	7.11	11.27	22.2
	6/12/2014	NS	NS	NS	NS	6.90	0.327	23.30	4.98	47.9
	9/19/2014	59.5	4.86	<0.1	0.705	7.02	0.328	23.35	1.34	91.4
	11/13/2014	39.6	0.655	<0.1	1.52	7.03	0.264	18.97	7.81	68.5
	3/25/2015	37.3	0.813	<0.1	1.59	7.16	0.281	9.04	8.42	218.1
	6/25/2015	60.6	<0.1	<0.1	1.48	6.83	0.417	26.89	4.62	132.5
	7/29/2015	110	<0.1	<0.1	0.308	7.10	0.598	28.43	0.68	-140.0
	10/29/2015	47.5	2.79	--	1.02	7.33	0.328	20.43	4.16	-169.9
	6/1/2005	NS	NS	NS	NS	--	--	--	--	--
	12/7/2005	NS	NS	NS	NS	--	--	--	--	--
	5/24/2006	NS	NS	NS	NS	--	--	--	--	--
	11/7/2006	NS	NS	NS	NS	--	--	--	--	--
	6/21/2007	NS	NS	NS	NS	--	--	--	--	--
	12/11/2007	NS	NS	NS	NS	--	--	--	--	--
	3/24/2008	NS	NS	NS	NS	--	--	--	--	--
	6/29/2008	NS	NS	NS	NS	--	--	--	--	--
	8/14/2008	NS	NS	NS	NS	--	--	--	--	--
	11/20/2008	NS	NS	NS	NS	--	--	--	--	--
	2/11/2009	NS	NS	NS	NS	--	--	--	--	--
	4/21/2009	NS	NS	NS	NS	--	--	--	--	--
	7/31/2009	NS	NS	NS	NS	--	--	--	--	--
	10/13/2009	NS	NS	NS	NS	--	--	--	--	--

See Notes on Page 6.

Table 2
Monitored Natural Attenuation Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Laboratory Analytical				Field Parameters				
		Sulfate (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Nitrate/Nitrite (mg/L)	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)
MEAT Groundwater Standard:		--	2,600	--	--	--	--	--	--	--
MW-8 (cont.)	10/27/2009	NS	NS	NS	NS	--	--	--	--	--
	1/12/2010	NS	NS	NS	NS	--	--	--	--	--
	4/21/2010	NS	NS	NS	NS	--	--	--	--	--
	7/22/2010	NS	NS	NS	NS	--	--	--	--	--
	11/23/2010	NS	NS	NS	NS	--	--	--	--	--
	3/2/2011	NS	NS	NS	NS	--	--	--	--	--
	5/19/2011	NS	NS	NS	NS	--	--	--	--	--
	7/12/2011	NS	NS	NS	NS	--	--	--	--	--
	10/24/2011	NS	NS	NS	NS	--	--	--	--	--
	2/8/2012	NS	NS	NS	NS	--	--	--	--	--
	5/22/2012	NS	NS	NS	NS	--	--	--	--	--
	8/14/2012	NS	NS	NS	NS	--	--	--	--	--
	10/4/2012	NS	NS	NS	NS	--	--	--	--	--
	2/12/2016	NA	NA	NA	NA	8.74	0.173	8.90	9.26	-1.2
	5/10/2016	5.29	<1	<1	0.761	7.10	0.067	15.37	7.33	215.3
	8/16/2016	70.6	0.127	<0.100	0.509	7.04	0.543	27.85	0.53	50.1
	11/8/2016	30.6	0.130	<0.100	2.12	6.69	0.214	22.94	2.66	49.0
	3/7/2017	NS	NS	NS	NS	7.19	0.224	13.61	7.19	37.6
	5/1/2017	NS	NS	NS	NS	7.13	0.316	17.07	7.63	44.2
	11/30/2017	NS	NS	NS	NS	8.31	0.164	16.95	4.35	30.5
	2/20/2018	NS	NS	NS	NS	7.49	0.201	9.08	8.96	130.7
	10/24/2018	NS	NS	NS	NS	7.17	0.440	18.59	1.86	5.9
	2/21/2019	NS	NS	NS	NS	7.10	0.184	8.96	10	90.4
	11/11/2019	NS	NS	NS	NS	6.98	0.247	20.19	6.90	127.4
	6/23/2020	NS	NS	NS	NS	7.21	0.219	23.19	6.12	106.3
	11/24/2020	NS	NS	NS	NS	7.15	0.217	17.62	3.35	-160.2
	6/22/2021	NS	NS	NS	NS	6.98	0.226	24.12	4.91	24.8
	12/13/2021	NS	NS	NS	NS	7.21	0.204	16.28	5.08	16.8
	6/16/2022	NS	NS	NS	NS	7.26	0.435	24.4	0.64	-70
	12/14/2022	NS	NS	NS	NS	7.14	0.095	11.51	7.39	-125.3
	6/26/2023	NS	NS	NS	NS	7.14	0.095	11.51	7.39	-125.3
	9/26/2023	NS	NS	NS	NS	6.54	0.153	23.13	3.00	171
	12/6/2023	NS	NS	NS	NS	6.40	0.181	15.60	3.60	139
	7/10/2024	NS	NS	NS	NS	7.07	0.416	21.05	1.83	-4.1
MW-10	2/22/2013	NS	NS	NS	NS	6.70	2.82	9.32	3.09	133
	5/1/2013	NS	NS	NS	NS	6.09	4.805	12.34	1.95	89.6
	8/6/2013	NS	NS	NS	NS	5.98	1.692	21.05	0.59	72.0
	10/3/2013	NS	NS	NS	NS	6.20	1.502	21.89	0.21	-3.1
	3/6/2014	NS	NS	NS	NS	5.89	23.39	8.39	2.63	221.0
	6/12/2014	NS	NS	NS	NS	6.43	6.873	18.67	0.66	120.7
	9/19/2014	1,030	4.97	1.82	<0.1	6.21	3.952	21.29	0.51	-5.6
	11/13/2014	41.1	2.13	0.470	0.301	6.36	1.508	17.53	2.05	33.4
	3/25/2015	55.7	2.74	<0.1	0.614	6.16	16.98	6.92	3.80	152.8
	6/25/2015	21.9	1.40	0.595	0.121	6.31	4.989	15.87	1.72	47.6
	7/29/2015	24.5	2.35	1.20	<0.1	6.28	6.968	20.54	0.39	54.5
	10/29/2015	11.8	5.58	--	0.112	7.60	2.695	19.37	1.29	-10.1
	2/10/2016	17.5	5.44	<0.1	0.103	5.94	5.544	8.99	0.65	39.9
	5/10/2016	16.4	4.84	0.21	<1	6.00	6.512	13.34	0.21	87.2
	8/16/2016	3.95	2.24	1.46	<0.100	6.58	5.008	22.43	0.38	-8.0
	11/8/2016	8.43	1.08	0.776	0.185	6.69	0.769	20.24	NR	36.0
	3/7/2017	NS	NS	NS	NS	6.54	2.583	11.89	2.46	-0.4
	5/1/2017	NS	NS	NS	NS	6.34	4.599	14.36	2.98	33.1
	11/30/2017	NS	NS	NS	NS	7.85	3.959	16.76	1.82	20.7
	2/20/2018	NS	NS	NS	NS	6.77	3.125	10.67	2.60	107.3
	10/24/2018	NS	NS	NS	NS	6.71	3.539	18.22	1.10	-18.4
	2/21/2019	NS	NS	NS	NS	6.21	1.898	10.6	4.45	43.9
	11/11/2019	NS	NS	NS	NS	6.44	1.914	19.33	2.55	-18.4
	6/23/2020	NS	NS	NS	NS	6.87	1.243	17.89	1.71	-24.7
	11/24/2020	NS	NS	NS	NS	6.76	0.529	15.45	4.35	-157.1
	6/22/2021	NS	NS	NS	NS	6.56	1.892	18.02	1.32	15.5
	12/13/2021	NS	NS	NS	NS	6.82	0.668	14.95	3.77	23.0
	6/16/2022	NS	NS	NS	NS	6.09	6.56	18.68	1.76	125
	12/14/2022	NS	NS	NS	NS	6.96	0.693	13.88	5.03	-130.5
	6/26/2023	NS	NS	NS	NS	6.96	0.693	13.88	5.03	-130.5
	9/26/2023	NS	NS	NS	NS	6.23	0.424	20.18	1.74	43.0
	12/6/2023	NS	NS	NS	NS	6.85	0.310	15.9	8.18	69.9
	7/10/2024	NS	NS	NS	NS	6.69	0.410	21.47	0.23	23.7
	MW-11	2/22/2013	NS	NS	NS	NS	6.20	0.202	12.31	1.87
5/1/2013		NS	NS	NS	NS	5.70	0.221	13.28	0.74	58.3
8/6/2013		NS	NS	NS	NS	5.85	0.176	19.14	1.75	100.2
10/3/2013		NS	NS	NS	NS	5.72	0.177	21.03	1.00	67.0
3/6/2014		NS	NS	NS	NS	6.02	2.082	11.57	6.02	39.6
6/12/2014		NS	NS	NS	NS	6.14	0.593	16.43	4.01	86.4
9/19/2014		6.27	9.72	7.01	<0.1	5.89	0.626	19.45	0.37	-138.4
11/13/2014		7.16	76.3	1.20	<0.1	5.97	0.352	18.68	4.29	18.4
3/25/2015		4.81	12.7	2.99	0.319	5.92	0.257	10.20	4.77	45.6
6/25/2015		6.85	10.1	3.57	2.26	5.91	0.240	18.52	4.78	88.7
7/29/2015		6.08	4.94	4.09	0.326	11.43	0.226	18.98	0.58	-200.2
10/29/2015		5.96	7.52	--	0.205	6.04	0.210	20.10	2.58	-203.9
6/1/2005		NS	NS	NS	NS	--	--	--	--	--
12/7/2005		NS	NS	NS	NS	--	--	--	--	--
5/24/2006		NS	NS	NS	NS	--	--	--	--	--

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Table 2
Monitored Natural Attenuation Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland

Well ID		Date	Laboratory Analytical				Field Parameters				
			Sulfate (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Nitrate/Nitrite (mg/L)	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)
MEAT Groundwater Standard:		--	2,600	--	--	--	--	--	--	--	--
MW-11 (cont.)	11/7/2006	NS	NS	NS	NS	--	--	--	--	--	
	6/21/2007	NS	NS	NS	NS	--	--	--	--	--	
	12/11/2007	NS	NS	NS	NS	--	--	--	--	--	
	3/24/2008	NS	NS	NS	NS	--	--	--	--	--	
	6/29/2008	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2008	NS	NS	NS	NS	--	--	--	--	--	
	11/20/2008	NS	NS	NS	NS	--	--	--	--	--	
	2/11/2009	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2009	NS	NS	NS	NS	--	--	--	--	--	
	7/31/2009	NS	NS	NS	NS	--	--	--	--	--	
	10/13/2009	NS	NS	NS	NS	--	--	--	--	--	
	10/27/2009	NS	NS	NS	NS	--	--	--	--	--	
	1/12/2010	NS	NS	NS	NS	--	--	--	--	--	
	4/21/2010	NS	NS	NS	NS	--	--	--	--	--	
	7/22/2010	NS	NS	NS	NS	--	--	--	--	--	
	11/23/2010	NS	NS	NS	NS	--	--	--	--	--	
	3/2/2011	NS	NS	NS	NS	--	--	--	--	--	
	5/19/2011	NS	NS	NS	NS	--	--	--	--	--	
	7/12/2011	NS	NS	NS	NS	--	--	--	--	--	
	10/24/2011	NS	NS	NS	NS	--	--	--	--	--	
	2/8/2012	NS	NS	NS	NS	--	--	--	--	--	
	5/22/2012	NS	NS	NS	NS	--	--	--	--	--	
	8/14/2012	NS	NS	NS	NS	--	--	--	--	--	
	10/4/2012	NS	NS	NS	NS	--	--	--	--	--	
	2/1/2016	4.08	3.92	0.557	1.17	6.03	0.238	10.3	8.24	110.8	
	5/10/2016	8,260	6.46	0.406	0.992	6.28	0.145	13.88	5.13	142.3	
	8/16/2016	5.84	2.13	0.192	0.623	5.27	0.169	23.21	1.60	108.6	
	11/8/2016	7.43	4.83	3.55	<0.100	5.80	0.203	15.65	NR	-7.0	
	3/7/2017	NS	NS	NS	NS	6.85	0.165	13.68	3.03	10.6	
	5/1/2017	NS	NS	NS	NS	6.00	0.137	15.51	5.77	45.2	
	11/30/2017	NS	NS	NS	NS	7.58	0.114	16.71	3.51	15.2	
	2/20/2018	NS	NS	NS	NS	4.86	0.092	11.78	5.72	137.6	
	10/24/2018	NS	NS	NS	NS	6.62	0.15	18.24	3.26	105.3	
	2/21/2019	NS	NS	NS	NS	6.22	0.078	12.62	5.54	11.0	
	11/11/2019	NS	NS	NS	NS	5.17	0.15	20.43	2.18	133.8	
	6/23/2020	NS	NS	NS	NS	6.21	0.126	21.94	4.11	93.6	
	11/24/2020	NS	NS	NS	NS	6.29	0.164	18.77	4.88	-151.4	
	6/22/2021	NS	NS	NS	NS	5.99	0.204	17.49	3.47	85.2	
	12/13/2021	NS	NS	NS	NS	6.26	0.136	16.93	5.18	85.5	
	6/16/2022	NS	NS	NS	NS	5.76	0.165	16.49	1.87	170	
	12/14/2022	NS	NS	NS	NS	6.31	0.118	15.90	4.80	-99.3	
	6/26/2023	NS	NS	NS	NS	6.31	0.118	15.90	4.80	-99.3	
	9/26/2023	NS	NS	NS	NS	5.58	0.176	20.31	4.11	253.0	
	12/6/2023	NS	NS	NS	NS	5.80	0.113	17.40	6.19	87.4	
	7/11/2024	NS	NS	NS	NS	6.09	0.121	22.24	0.72	54.3	
MW-12	2/22/2013	NS	NS	NS	NS	5.48	0.668	12.76	0.55	148	
	5/1/2013	NS	NS	NS	NS	4.73	0.485	13.33	0.84	159.4	
	8/6/2013	NS	NS	NS	NS	4.82	0.394	16.42	0.45	162.1	
	10/3/2013	NS	NS	NS	NS	4.75	0.287	18.58	0.11	132.8	
	3/6/2014	NS	NS	NS	NS	4.68	0.543	12.61	0.39	230.1	
	6/12/2014	NS	NS	NS	NS	4.85	0.348	13.60	0.58	170.1	
	9/19/2014	21.1	18.4	<0.1	0.155	4.98	0.205	16.90	1.29	-34.4	
	11/13/2014	17.1	0.824	0.235	1.29	5.10	0.812	17.94	0.90	227.8	
	3/25/2015	15.1	0.667	<0.1	0.624	5.06	0.750	10.71	4.76	231.9	
	6/25/2015	19.5	1.78	0.265	0.171	4.95	0.431	14.85	2.49	195.7	
	7/29/2015	29.0	0.936	0.151	<0.1	10.92	0.288	15.62	0.09	-183.0	
	10/29/2015	16.7	32.4	--	4.59	7.20	0.537	18.63	0.34	-26.7	
	2/10/2016	7.00	2.81	0.367	1.16	6.02	0.615	10.37	6.63	91.7	
	5/10/2016	18.3	2.74	0.717	0.562	5.35	0.445	13.36	0.32	175.2	
	8/16/2016	17.7	1.25	<0.100	<0.100	5.16	0.405	20.97	1.04	127.9	
	11/8/2016	10.6	12.2	1.80	0.143	NR	NR	NR	NR	NR	
	3/7/2017	NS	NS	NS	NS	5.44	0.902	12.98	3.78	83.1	
	5/1/2017	NS	NS	NS	NS	5.22	0.562	14.68	3.92	74.3	
MW-13	2/22/2013	NS	NS	NS	NS	6.06	1.59	10.80	6.76	143	
	5/1/2013	NS	NS	NS	NS	5.48	2.006	12.97	3.30	121.0	
	8/6/2013	NS	NS	NS	NS	5.50	1.611	15.24	1.89	140.7	
	10/3/2013	NS	NS	NS	NS	5.23	1.840	17.11	0.17	129.9	
	3/6/2014	NS	NS	NS	NS	5.41	3.491	11.71	4.91	169.6	
	6/12/2014	NS	NS	NS	NS	5.28	3.730	13.42	0.75	155.0	
	9/19/2014	356	26.4	0.189	<0.1	5.33	2.286	15.99	1.31	-36.2	
	11/13/2014	27.1	1.85	0.111	0.523	5.49	3.593	16.50	5.45	65.3	
	3/25/2015	16.3	1.99	0.762	0.219	5.76	3.890	10.24	4.98	204.9	

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Table 2
Monitored Natural Attenuation Data

Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland



Well ID	Date	Laboratory Analytical				Field Parameters				
		Sulfate (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Nitrate/Nitrite (mg/L)	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)
MEAT Groundwater Standard:		--	2,600	--	--	--	--	--	--	--
MW-13 (cont.)	6/25/2015	14.5	3.56	0.606	0.101	5.40	2.329	10.83	1.59	142.3
	7/29/2015	20.6	1.21	0.651	0.151	5.46	3.249	14.99	0.23	140.5
	10/29/2015	18.1	3.63	--	0.413	5.69	1.822	17.54	---	155.4
	2/11/2016	16.1	11.00	4.820	0.237	6.58	0.730	7.75	4.86	58.7
	5/10/2016	16.2	4.46	1.61	0.3	6.15	1.689	13.00	3.46	203.0
	8/16/2016	19.6	6.47	2.61	<0.100	5.92	2.045	18.46	0.87	55.6
	11/9/2016	18.6	12.4	3.85	0.278	5.81	1.730	14.84	NR	104.0
	3/7/2017	NS	NS	NS	NS	6.27	1.608	14.93	7.07	133.5
5/1/2017	NS	NS	NS	NS	5.68	1.410	13.68	3.71	132.3	
MW-14	2/22/2013	NS	NS	NS	NS	6.37	0.816	10.90	8.81	162
	5/1/2013	NS	NS	NS	NS	5.66	1.265	12.97	4.33	107.4
	8/6/2013	NS	NS	NS	NS	5.96	1.005	16.23	2.75	166.6
	10/3/2013	NS	NS	NS	NS	4.32	1.563	17.88	0.28	176.6
	3/6/2014	NS	NS	NS	NS	5.85	2.764	11.77	9.10	172.8
	6/12/2014	NS	NS	NS	NS	5.17	2.267	13.30	1.07	231.8
	9/19/2014	379	139	4.24	<0.1	5.43	2.222	16.40	1.00	-60.3
	11/13/2014	18.6	7.18	0.391	0.443	6.09	2.282	16.94	3.93	34.9
	3/25/2015	12.2	0.860	<0.1	0.255	5.90	2.432	9.35	8.34	118.2
	6/25/2015	8,850	8.73	1.10	0.287	5.14	1.920	11.37	5.11	136.6
	7/29/2015	12.1	13.0	3.85	0.284	5.98	1.763	15.58	1.02	107.7
	10/29/2015	15.7	20.7	--	2.13	6.04	1.066	17.66	----	86.7
	2/11/2016	12.3	5.6	2.34	0.325	6.89	0.587	7.46	----	71.2
	5/10/2016	8.49	11.4	6.60	0.148	5.53	0.852	12.71	6.73	199.0
	8/16/2016	12.3	14.7	12.8	0.931	6.37	0.824	19.08	0.55	18.0
	11/9/2016	13.3	NA	6.3	NA	6.11	0.592	14.62	NR	112.0
	3/7/2017	NS	NS	NS	NS	6.52	0.608	14.07	5.18	104.6
5/1/2017	NS	NS	NS	NS	6.34	0.741	13.22	7.70	87.5	
MW-15	2/22/2013	NS	NS	NS	NS	6.21	0.665	11.47	5.88	202
	5/1/2013	NS	NS	NS	NS	5.62	0.807	12.37	2.98	108.1
	8/6/2013	NS	NS	NS	NS	5.80	0.523	15.35	0.70	75.7
	10/3/2013	NS	NS	NS	NS	3.48	0.609	17.73	0.86	237.0
	3/6/2014	NS	NS	NS	NS	5.77	0.704	11.83	2.83	184.6
	6/12/2014	NS	NS	NS	NS	5.56	0.897	13.00	0.78	231.4
	9/19/2014	232	8.44	<0.1	0.136	5.19	1.243	16.01	1.37	-80.2
	11/13/2014	22.8	5.97	<0.1	0.277	5.35	1.160	15.85	1.97	173.7
	3/25/2015	17.0	4.48	<0.1	0.210	5.86	1.102	10.69	5.58	163.8
	6/25/2015	13.9	2.16	0.286	0.283	5.49	0.893	10.50	1.14	162.2
	7/29/2015	19.4	2.85	<0.1	0.132	5.75	0.932	14.80	1.10	148.9
	10/29/2015	26.7	7.89	--	0.468	5.31	1.099	16.21	4.04	164.4
	2/11/2016	16.2	0.20	<0.100	0.663	6.28	0.546	7.76	6.94	81.8
	5/10/2016	20.0	5.69	2.22	0.276	4.81	0.871	12.25	12.25	234.8
	8/16/2016	26.3	0.803	0.313	<1.00	5.56	1.183	17.48	0.46	102.5
	11/8/2016	21.3	1.16	<0.100	3.45	5.36	0.778	15.67	NR	209
	3/7/2017	NS	NS	NS	NS	5.9	0.709	13.37	2.83	110.3
5/1/2017	NS	NS	NS	NS	5.88	0.533	13.42	3.91	88.2	
MW-16	2/22/2013	NS	NS	NS	NS	5.39	0.351	11.38	4.57	298
	5/1/2013	NS	NS	NS	NS	4.87	0.457	12.01	4.38	128.0
	8/6/2013	NS	NS	NS	NS	4.99	0.207	15.87	1.96	155.3
	10/3/2013	NS	NS	NS	NS	4.73	0.402	18.20	2.06	144.8
	3/6/2014	NS	NS	NS	NS	5.39	0.215	11.43	6.06	212.6
	6/12/2014	NS	NS	NS	NS	4.97	0.360	13.47	0.32	209.7
	9/19/2014	21.5	1.18	<0.1	2.94	4.12	0.377	16.60	1.98	5.5
	11/13/2014	17.8	2.97	<0.1	2.65	4.57	0.338	16.89	1.79	315.6
	3/25/2015	7.46	2.32	<0.1	0.867	5.73	0.239	10.18	7.25	195
	6/25/2015	15.6	2.92	0.390	2.47	4.61	0.395	11.81	2.48	185.5
	7/29/2015	19.4	12.8	0.109	1.85	5.02	0.411	16.07	1.65	186.7
	10/29/2015	27.8	10.4	--	3.16	6.05	0.397	17.49	1.19	13.8
	2/11/2016	10.7	0.2	<0.100	1.53	5.33	0.21	10.57	---	122.7
	5/10/2016	16.6	0.173	<1	1.48	5.09	0.326	13.18	4.80	226.3
	8/16/2016	16.1	<0.100	<0.100	3.00	4.13	0.504	19.28	2.91	199.6
	11/8/2016	28.1	<0.100	<0.100	3.28	4.11	0.434	17.60	NR	300

See Notes on Page 6.

Table 2
Monitored Natural Attenuation Data

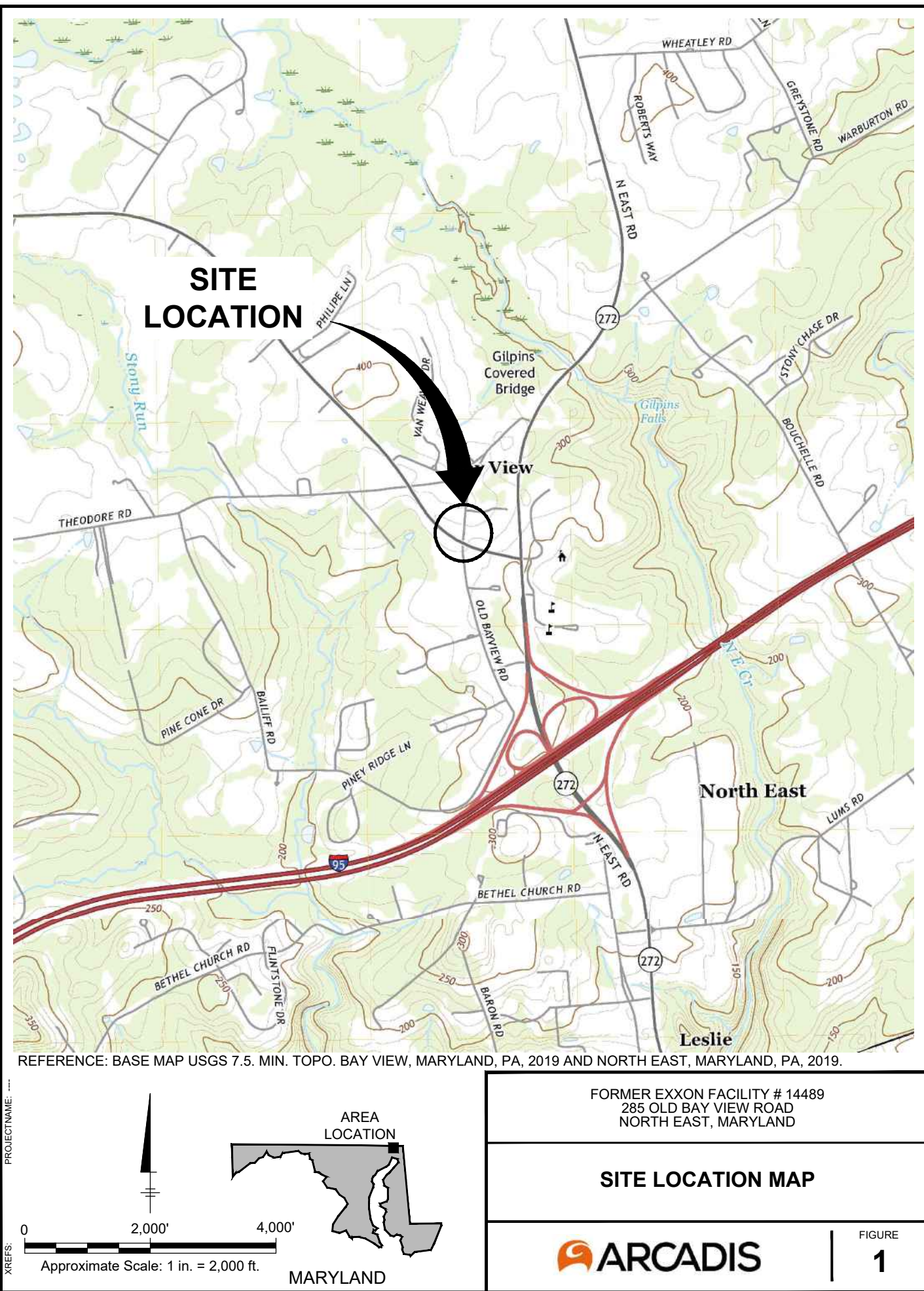


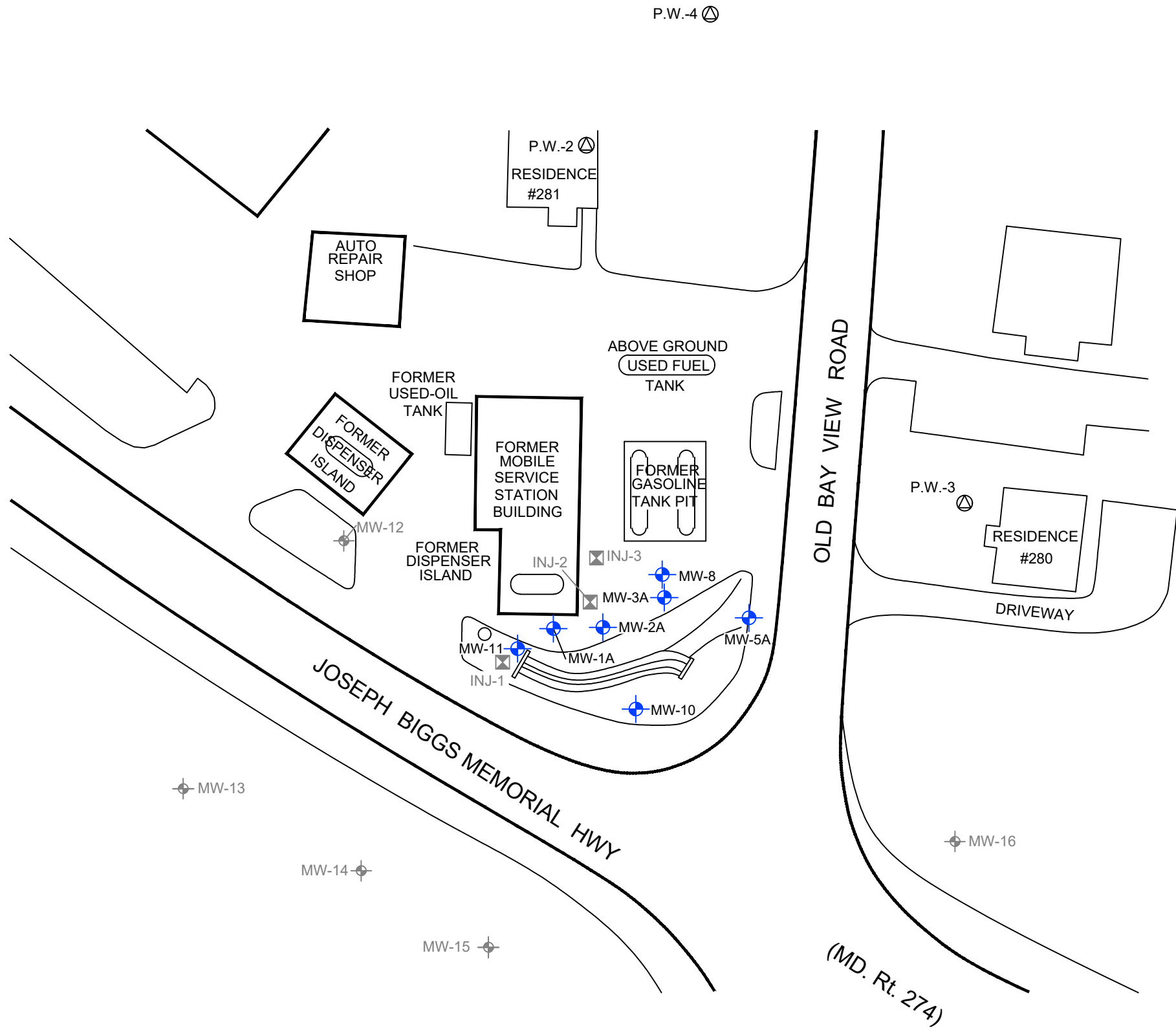
Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland

Well ID	Date	Laboratory Analytical				Field Parameters				
		Sulfate (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Nitrate/Nitrite (mg/L)	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)
MEAT Groundwater Standard:		--	2,600	--	--	--	--	--	--	--
MW-16 (cont.)	3/7/2017	NS	NS	NS	NS	4.94	0.451	13.70	6.15	143.3
	5/1/2017	NS	NS	NS	NS	5.23	0.303	16.64	8.01	86.8

Definitions:
--: No Standard exists
<: Not detected at or above the listed laboratory reporting limit
°C: Degree Celsius
F1: Matrix spike and/or Matrix Spike Duplicate are outside of recovery limits
mg/L: Milligram per Liter
mS/cm: Millisiemens per Centimeter
mV: Millivolt
NA: Not Analyzed
NS: Not sampled
s.u.: Standard Unit
NR: Not Recorded

Figures





- LEGEND:**
- MONITORING WELL
 - POTABLE WELL
 - ABANDONED INJECTION WELL
 - ABANDONED MONITORING WELL
 - INTERCEPTOR TRENCH
 - REMEDIATION SYSTEM PIPING

0 40' 80'

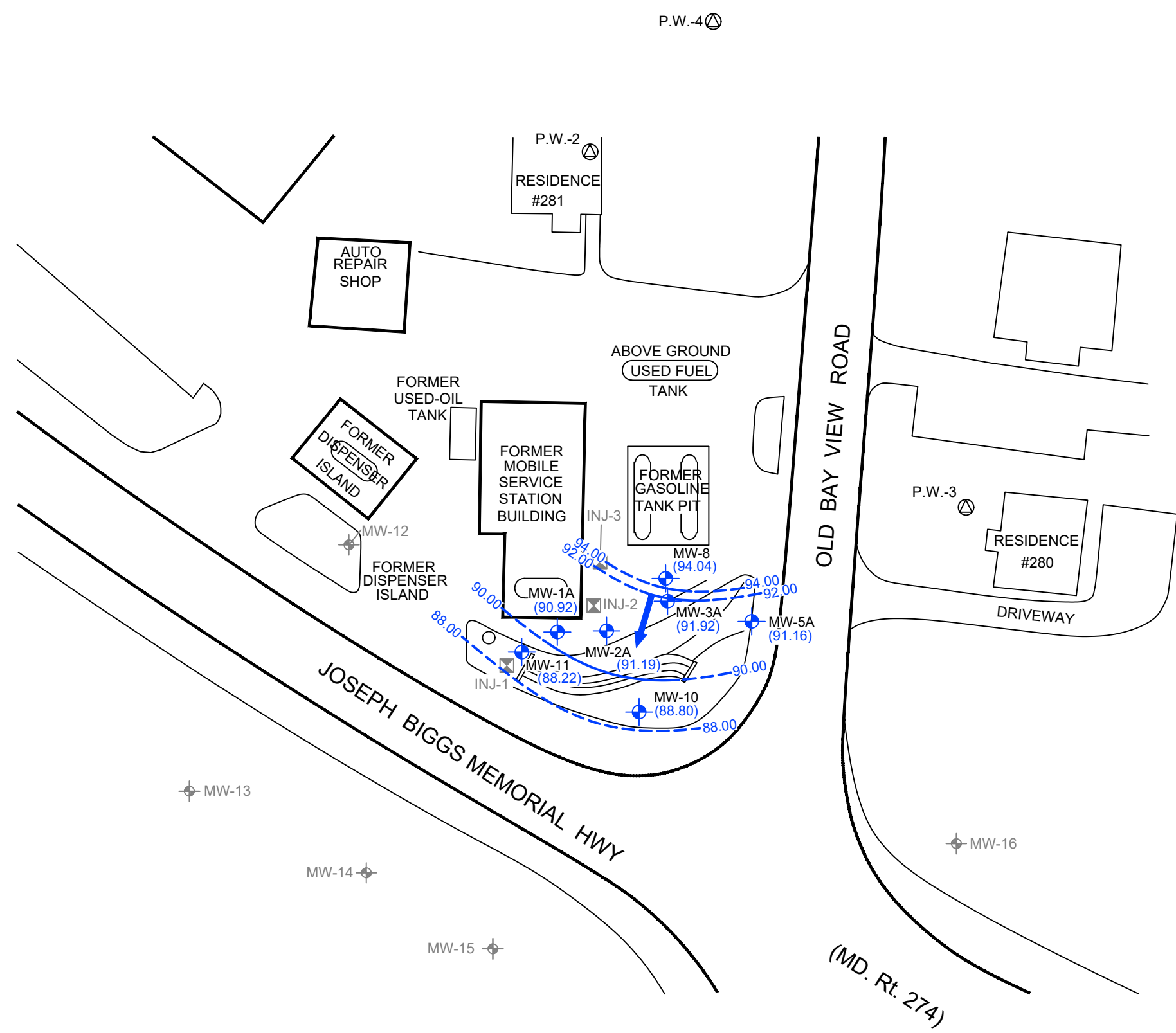
Approximate Scale: 1 in. = 40 ft.

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

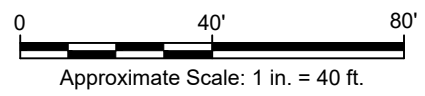
SITE MAP



CITY:(Read) DIV:(GROUP:(Read) DB:(Read) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LVR:(Opt)ON=OFF=REF*
C:\Users\msa3653\PC\ACCDocs\Arcadis ACC US\AUS-99999999-XOM-14489-NORTH EAST_MD\Project Files\10_WIP\10T_ARC_ENA\2024\01-DWG\GWM-1H2024-F03-GW CONTOURS.dwg LAYOUT: 3 SAVED: 8/8/2024 12:40 PM
ACADVER: 24.2S (LMS TECH) PAGES: 24 PLOTSETUP: ARCADIS.CTB PLOTTED: 8/8/2024 12:47 PM BY: MS, ADITHYA

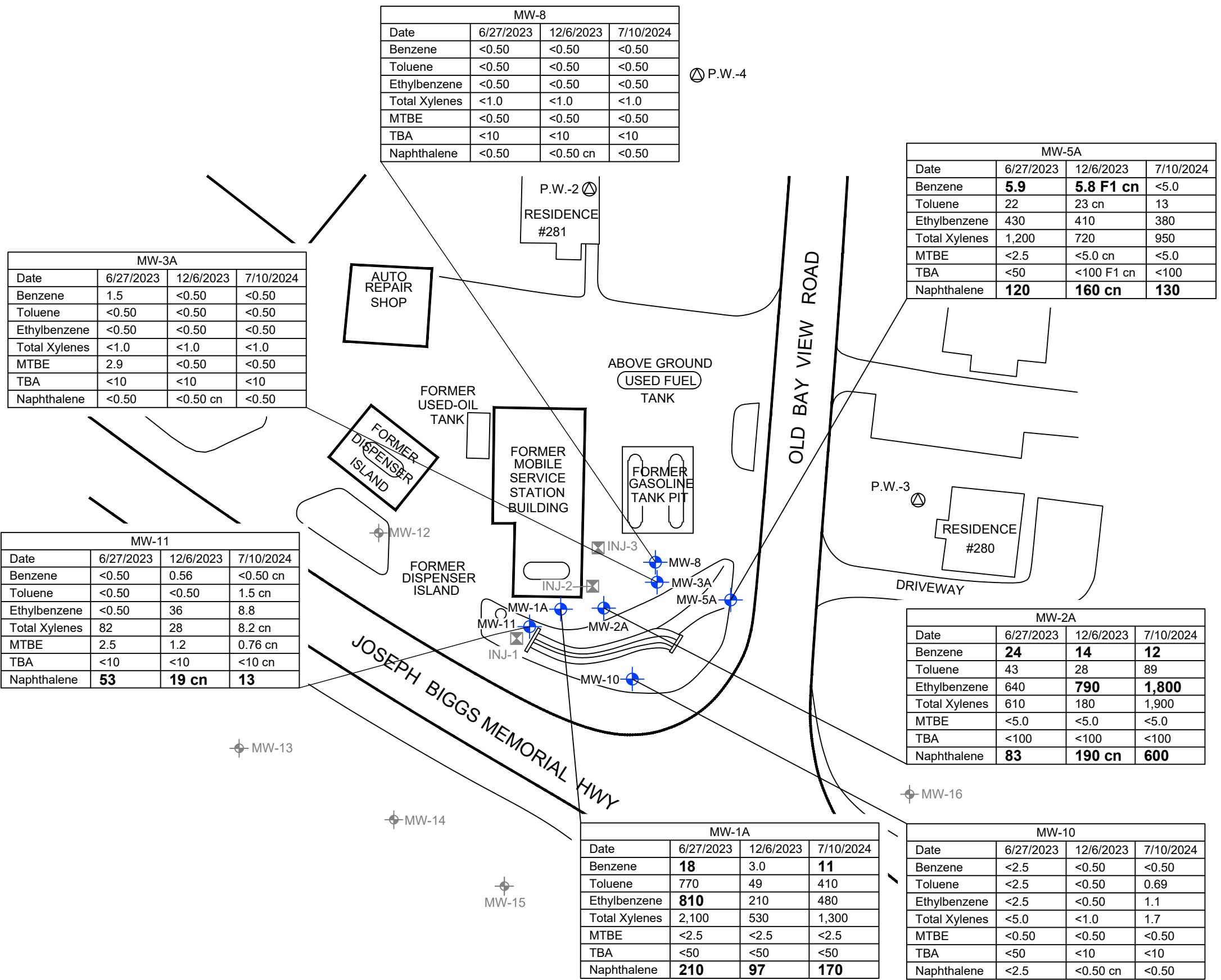


- LEGEND:**
- MONITORING WELL
 - POTABLE WELL
 - ABANDONED INJECTION WELL
 - ABANDONED MONITORING WELL
 - INTERCEPTOR TRENCH
 - REMEDIATION SYSTEM PIPING
 - 94.00 --- GROUNDWATER ELEVATION CONTOUR-DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)
 - (94.04) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
 - ← INFERRED GROUNDWATER FLOW DIRECTION



FORMER EXXON FACILITY # 14489 285 OLD BAY VIEW ROAD NORTH EAST, MARYLAND	
GROUNDWATER ELEVATION CONTOUR MAP JULY 10, 2024	
	FIGURE 3

CITY: (Reqd) DIV: (Reqd) DB: (Reqd) LD: (Opt) PIC: (Opt) PM: (Reqd) TM: (Opt) LYT: (Opt) ON: *OFF= *REF*
C:\Users\ms3653\Documents\Arcadis ACC US\AUS-99999999-XOM-14489-NORTH EAST\101\ARC-ENV\2024\01-DWG\GWM-112024-F04-GW ANALYTICAL.dwg LAYOUT: 4
ACADVER: 24.2S (LMS TECH) PAGES: 24.2S PLOTSETUP: ARCADIS.CTB PLOTTED: 8/8/2024 12:10 PM BY: MS, ADHYA
PROJECT NAME: XREFS:



LEGEND:

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

MEAT GROUNDWATER STANDARD

Compound	Standard
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	10,000
MTBE	20
TBA	--
Naphthalene	0.7

DEFINITIONS

Symbol	Definition
<	THE RESULTS IS LESS THAN THE SHOWN METHOD DETECTION LIMIT
--	NO STANDARD CURRENTLY EXISTS
MTBE	METHYL TERTIARY BUTYL ETHER
TBA	TERTIARY BUTYL ALCOHOL
[]	DUPLICATE RESULT

NOTES:

- BOLD** VALUES EXCEEDS THE APPLICABLE MEAT(MARYLAND ENVIRONMENTAL ASSESSMENT TECHNOLOGY) STANDARD.
- F1 - MATRIX SPIKE AND/OR MATRIX SPIKE DUPLICATE RECOVERY EXCEEDS CONTROL LIMITS.
- cn - CASE NARRATIVE FOR FURTHER DETAIL

0 40' 80'
Approximate Scale: 1 in. = 40 ft.

Appendix A

Laboratory Analytical Report and Chain-of-Custody



ANALYTICAL REPORT

PREPARED FOR

Attn: Ruben Lopez
Arcadis U.S., Inc.
10205 Westheimer Rd
Suite 800
Houston, Texas 77042
Generated 7/25/2024 3:22:48 PM

JOB DESCRIPTION

14489 - North East, MD

JOB NUMBER

410-179472-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
7/25/2024 3:22:48 PM

Authorized for release by
Megan Moeller, Client Services Manager
Megan.Moeller@et.eurofinsus.com
(717)556-7261

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

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

Job ID: 410-179472-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
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)
TNTC	Too Numerous To Count

Case Narrative

Client: Arcadis U.S., Inc.
Project: 14489 - North East, MD

Job ID: 410-179472-1

Job ID: 410-179472-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-179472-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/11/2024 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-5A(071024) (410-179472-7). The container labels list a collection time of 16:40, while the COC lists a collection time of 17:40.

The Chain-of-Custody (COC) was incomplete as received. The COC is missing Sample Preservation. This does not meet regulatory requirements.

The Chain-of-Custody (COC) was incomplete as received. The COC is missing Sample Matrix for sample Trip Blank (410-179472-8). This does not meet regulatory requirements.

GC/MS VOA

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-530198 recovered outside acceptance criteria, low biased, for Acetone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C_LL: Sample MW-11(071024) (410-179472-5) was analyzed multiple times and inconsistent results were obtained.

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

Detection Summary

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

Job ID: 410-179472-1

Client Sample ID: MW-3A(071024)

Lab Sample ID: 410-179472-1

No Detections.

Client Sample ID: MW-8(071024)

Lab Sample ID: 410-179472-2

No Detections.

Client Sample ID: MW-2A(071024)

Lab Sample ID: 410-179472-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Toluene	89		5.0	ug/L	10		8260C LL	Total/NA
1,3,5-Trimethylbenzene	78		5.0	ug/L	10		8260C LL	Total/NA
Benzene	12		5.0	ug/L	10		8260C LL	Total/NA
Isopropylbenzene	110		5.0	ug/L	10		8260C LL	Total/NA
n-Butylbenzene	12		5.0	ug/L	10		8260C LL	Total/NA
sec-Butylbenzene	11		5.0	ug/L	10		8260C LL	Total/NA
Ethylbenzene - DL	1800		50	ug/L	100		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	740		50	ug/L	100		8260C LL	Total/NA
Xylenes, Total - DL	1900		100	ug/L	100		8260C LL	Total/NA
Naphthalene - DL	600		50	ug/L	100		8260C LL	Total/NA
N-Propylbenzene - DL	280		50	ug/L	100		8260C LL	Total/NA

Client Sample ID: MW-1A(071024)

Lab Sample ID: 410-179472-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		2.5	ug/L	5		8260C LL	Total/NA
Chloroethane	2.6		2.5	ug/L	5		8260C LL	Total/NA
2-Butanone	29		25	ug/L	5		8260C LL	Total/NA
Isopropylbenzene	51		2.5	ug/L	5		8260C LL	Total/NA
n-Butylbenzene	13		2.5	ug/L	5		8260C LL	Total/NA
p-Isopropyltoluene	4.3		2.5	ug/L	5		8260C LL	Total/NA
sec-Butylbenzene	7.9		2.5	ug/L	5		8260C LL	Total/NA
Toluene - DL	410		10	ug/L	20		8260C LL	Total/NA
1,3,5-Trimethylbenzene - DL	170		10	ug/L	20		8260C LL	Total/NA
Naphthalene - DL	170		10	ug/L	20		8260C LL	Total/NA
N-Propylbenzene - DL	160		10	ug/L	20		8260C LL	Total/NA
Ethylbenzene - DL2	480		50	ug/L	100		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL2	670		50	ug/L	100		8260C LL	Total/NA
Xylenes, Total - DL2	1300		100	ug/L	100		8260C LL	Total/NA

Client Sample ID: MW-11(071024)

Lab Sample ID: 410-179472-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.5	cn	0.50	ug/L	1		8260C LL	Total/NA
1,3,5-Trimethylbenzene	1.0	cn	0.50	ug/L	1		8260C LL	Total/NA
Xylenes, Total	8.2	cn	1.0	ug/L	1		8260C LL	Total/NA
Methyl tertiary butyl ether	0.76	cn	0.50	ug/L	1		8260C LL	Total/NA
Isopropylbenzene	14	cn	0.50	ug/L	1		8260C LL	Total/NA
n-Butylbenzene	2.1	cn	0.50	ug/L	1		8260C LL	Total/NA
p-Isopropyltoluene	0.63	cn	0.50	ug/L	1		8260C LL	Total/NA
sec-Butylbenzene	2.2	cn	0.50	ug/L	1		8260C LL	Total/NA
Ethylbenzene - DL	8.8		5.0	ug/L	10		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	8.7		5.0	ug/L	10		8260C LL	Total/NA
Naphthalene - DL	13		5.0	ug/L	10		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

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

Job ID: 410-179472-1

Client Sample ID: MW-10(071024)

Lab Sample ID: 410-179472-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1.1		0.50	ug/L	1		8260C LL	Total/NA
1,2,4-Trimethylbenzene	0.54		0.50	ug/L	1		8260C LL	Total/NA
Toluene	0.69		0.50	ug/L	1		8260C LL	Total/NA
Xylenes, Total	1.7		1.0	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-5A(071024)

Lab Sample ID: 410-179472-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Toluene	13		5.0	ug/L	10		8260C LL	Total/NA
1,3,5-Trimethylbenzene	230		5.0	ug/L	10		8260C LL	Total/NA
Isopropylbenzene	74		5.0	ug/L	10		8260C LL	Total/NA
Naphthalene	130		5.0	ug/L	10		8260C LL	Total/NA
n-Butylbenzene	26		5.0	ug/L	10		8260C LL	Total/NA
N-Propylbenzene	240		5.0	ug/L	10		8260C LL	Total/NA
p-Isopropyltoluene	9.8		5.0	ug/L	10		8260C LL	Total/NA
sec-Butylbenzene	20		5.0	ug/L	10		8260C LL	Total/NA
Ethylbenzene - DL	380		50	ug/L	100		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	1100		50	ug/L	100		8260C LL	Total/NA
Xylenes, Total - DL	950		100	ug/L	100		8260C LL	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 410-179472-8

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	25	cn	5.0	ug/L	1		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-3A(071024)

Lab Sample ID: 410-179472-1

Date Collected: 07/10/24 12:22

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 13:14	1
Ethylbenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
Styrene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/19/24 13:14	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 13:14	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/19/24 13:14	1
1,4-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,2-Dibromoethane	<0.50		0.50	ug/L			07/19/24 13:14	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/19/24 13:14	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
4-Methyl-2-pentanone	<5.0		5.0	ug/L			07/19/24 13:14	1
Toluene	<0.50		0.50	ug/L			07/19/24 13:14	1
Chlorobenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
Dibromochloromethane	<0.50		0.50	ug/L			07/19/24 13:14	1
Tetrachloroethene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
Xylenes, Total	<1.0		1.0	ug/L			07/19/24 13:14	1
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 13:14	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/19/24 13:14	1
Methyl tertiary butyl ether	<0.50		0.50	ug/L			07/19/24 13:14	1
1,3-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/19/24 13:14	1
2-Hexanone	<5.0		5.0	ug/L			07/19/24 13:14	1
Acetone	<5.0	cn	5.0	ug/L			07/19/24 13:14	1
Chloroform	<0.50		0.50	ug/L			07/19/24 13:14	1
Benzene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/19/24 13:14	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 13:14	1
Bromomethane	<0.50		0.50	ug/L			07/19/24 13:14	1
Chloromethane	<0.50		0.50	ug/L			07/19/24 13:14	1
Bromochloromethane	<0.50		0.50	ug/L			07/19/24 13:14	1
Chloroethane	<0.50		0.50	ug/L			07/19/24 13:14	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 13:14	1
Vinyl chloride	<0.50		0.50	ug/L			07/19/24 13:14	1
Methylene Chloride	<0.50		0.50	ug/L			07/19/24 13:14	1
Carbon disulfide	<1.0		1.0	ug/L			07/19/24 13:14	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 13:14	1
Bromoform	<1.0		1.0	ug/L			07/19/24 13:14	1
Bromodichloromethane	<0.50		0.50	ug/L			07/19/24 13:14	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/19/24 13:14	1
1,1-Dichloroethene	<0.50		0.50	ug/L			07/19/24 13:14	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/19/24 13:14	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/19/24 13:14	1
1,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 13:14	1
2-Butanone	<5.0		5.0	ug/L			07/19/24 13:14	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/19/24 13:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-3A(071024)

Lab Sample ID: 410-179472-1

Date Collected: 07/10/24 12:22

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
Trichloroethene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 13:14	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,2-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	ug/L			07/19/24 13:14	1
Isopropylbenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
Dibromomethane	<0.50		0.50	ug/L			07/19/24 13:14	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/19/24 13:14	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/19/24 13:14	1
Hexachlorobutadiene	<0.50		0.50	ug/L			07/19/24 13:14	1
Naphthalene	<0.50		0.50	ug/L			07/19/24 13:14	1
n-Butylbenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
N-Propylbenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/19/24 13:14	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/19/24 13:14	1
t-Butyl alcohol	<10		10	ug/L			07/19/24 13:14	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/19/24 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120				07/19/24 13:14	1
4-Bromofluorobenzene (Surr)	93		80 - 120				07/19/24 13:14	1
Dibromofluoromethane (Surr)	103		80 - 120				07/19/24 13:14	1
Toluene-d8 (Surr)	98		80 - 120				07/19/24 13:14	1

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-8(071024)

Lab Sample ID: 410-179472-2

Date Collected: 07/10/24 13:28

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 13:36	1
Ethylbenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
Styrene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/19/24 13:36	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 13:36	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/19/24 13:36	1
1,4-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,2-Dibromoethane	<0.50		0.50	ug/L			07/19/24 13:36	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/19/24 13:36	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
4-Methyl-2-pentanone	<5.0		5.0	ug/L			07/19/24 13:36	1
Toluene	<0.50		0.50	ug/L			07/19/24 13:36	1
Chlorobenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
Dibromochloromethane	<0.50		0.50	ug/L			07/19/24 13:36	1
Tetrachloroethene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
Xylenes, Total	<1.0		1.0	ug/L			07/19/24 13:36	1
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 13:36	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/19/24 13:36	1
Methyl tertiary butyl ether	<0.50		0.50	ug/L			07/19/24 13:36	1
1,3-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/19/24 13:36	1
2-Hexanone	<5.0		5.0	ug/L			07/19/24 13:36	1
Acetone	<5.0	cn	5.0	ug/L			07/19/24 13:36	1
Chloroform	<0.50		0.50	ug/L			07/19/24 13:36	1
Benzene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/19/24 13:36	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 13:36	1
Bromomethane	<0.50		0.50	ug/L			07/19/24 13:36	1
Chloromethane	<0.50		0.50	ug/L			07/19/24 13:36	1
Bromochloromethane	<0.50		0.50	ug/L			07/19/24 13:36	1
Chloroethane	<0.50		0.50	ug/L			07/19/24 13:36	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 13:36	1
Vinyl chloride	<0.50		0.50	ug/L			07/19/24 13:36	1
Methylene Chloride	<0.50		0.50	ug/L			07/19/24 13:36	1
Carbon disulfide	<1.0		1.0	ug/L			07/19/24 13:36	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 13:36	1
Bromoform	<1.0		1.0	ug/L			07/19/24 13:36	1
Bromodichloromethane	<0.50		0.50	ug/L			07/19/24 13:36	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/19/24 13:36	1
1,1-Dichloroethene	<0.50		0.50	ug/L			07/19/24 13:36	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/19/24 13:36	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/19/24 13:36	1
1,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 13:36	1
2-Butanone	<5.0		5.0	ug/L			07/19/24 13:36	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/19/24 13:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-8(071024)

Lab Sample ID: 410-179472-2

Date Collected: 07/10/24 13:28

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
Trichloroethene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 13:36	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,2-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	ug/L			07/19/24 13:36	1
Isopropylbenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
Dibromomethane	<0.50		0.50	ug/L			07/19/24 13:36	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/19/24 13:36	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/19/24 13:36	1
Hexachlorobutadiene	<0.50		0.50	ug/L			07/19/24 13:36	1
Naphthalene	<0.50		0.50	ug/L			07/19/24 13:36	1
n-Butylbenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
N-Propylbenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/19/24 13:36	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/19/24 13:36	1
t-Butyl alcohol	<10		10	ug/L			07/19/24 13:36	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/19/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120				07/19/24 13:36	1
4-Bromofluorobenzene (Surr)	93		80 - 120				07/19/24 13:36	1
Dibromofluoromethane (Surr)	104		80 - 120				07/19/24 13:36	1
Toluene-d8 (Surr)	98		80 - 120				07/19/24 13:36	1

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-2A(071024)

Lab Sample ID: 410-179472-3

Date Collected: 07/10/24 14:30

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<5.0		5.0	ug/L			07/19/24 15:50	10
Styrene	<5.0		5.0	ug/L			07/19/24 15:50	10
1,1-Dichloropropene	<5.0		5.0	ug/L			07/19/24 15:50	10
cis-1,3-Dichloropropene	<5.0		5.0	ug/L			07/19/24 15:50	10
trans-1,3-Dichloropropene	<5.0		5.0	ug/L			07/19/24 15:50	10
1,2,3-Trichloropropane	<10		10	ug/L			07/19/24 15:50	10
1,4-Dichlorobenzene	<5.0		5.0	ug/L			07/19/24 15:50	10
1,2-Dibromoethane	<5.0		5.0	ug/L			07/19/24 15:50	10
1,2-Dichloroethane	<5.0		5.0	ug/L			07/19/24 15:50	10
4-Methyl-2-pentanone	<50		50	ug/L			07/19/24 15:50	10
Toluene	89		5.0	ug/L			07/19/24 15:50	10
Chlorobenzene	<5.0		5.0	ug/L			07/19/24 15:50	10
1,2,4-Trichlorobenzene	<5.0		5.0	ug/L			07/19/24 15:50	10
Dibromochloromethane	<5.0		5.0	ug/L			07/19/24 15:50	10
Tetrachloroethene	<5.0		5.0	ug/L			07/19/24 15:50	10
1,3,5-Trimethylbenzene	78		5.0	ug/L			07/19/24 15:50	10
cis-1,2-Dichloroethene	<5.0		5.0	ug/L			07/19/24 15:50	10
trans-1,2-Dichloroethene	<5.0		5.0	ug/L			07/19/24 15:50	10
1,3-Dichloropropane	<5.0		5.0	ug/L			07/19/24 15:50	10
Methyl tertiary butyl ether	<5.0		5.0	ug/L			07/19/24 15:50	10
1,3-Dichlorobenzene	<5.0		5.0	ug/L			07/19/24 15:50	10
Carbon tetrachloride	<5.0		5.0	ug/L			07/19/24 15:50	10
2-Hexanone	<50		50	ug/L			07/19/24 15:50	10
Acetone	<50	cn	50	ug/L			07/19/24 15:50	10
Chloroform	<5.0		5.0	ug/L			07/19/24 15:50	10
Benzene	12		5.0	ug/L			07/19/24 15:50	10
1,1,1-Trichloroethane	<5.0		5.0	ug/L			07/19/24 15:50	10
2,2-Dichloropropane	<5.0		5.0	ug/L			07/19/24 15:50	10
Bromomethane	<5.0		5.0	ug/L			07/19/24 15:50	10
Chloromethane	<5.0		5.0	ug/L			07/19/24 15:50	10
Bromochloromethane	<5.0		5.0	ug/L			07/19/24 15:50	10
Chloroethane	<5.0		5.0	ug/L			07/19/24 15:50	10
2-Chlorotoluene	<5.0		5.0	ug/L			07/19/24 15:50	10
Vinyl chloride	<5.0		5.0	ug/L			07/19/24 15:50	10
Methylene Chloride	<5.0		5.0	ug/L			07/19/24 15:50	10
Carbon disulfide	<10		10	ug/L			07/19/24 15:50	10
4-Chlorotoluene	<5.0		5.0	ug/L			07/19/24 15:50	10
Bromoform	<10		10	ug/L			07/19/24 15:50	10
Bromodichloromethane	<5.0		5.0	ug/L			07/19/24 15:50	10
1,1-Dichloroethane	<5.0		5.0	ug/L			07/19/24 15:50	10
1,1-Dichloroethene	<5.0		5.0	ug/L			07/19/24 15:50	10
Trichlorofluoromethane	<5.0		5.0	ug/L			07/19/24 15:50	10
Dichlorodifluoromethane	<5.0		5.0	ug/L			07/19/24 15:50	10
1,2-Dichloropropane	<5.0		5.0	ug/L			07/19/24 15:50	10
2-Butanone	<50		50	ug/L			07/19/24 15:50	10
1,1,2-Trichloroethane	<5.0		5.0	ug/L			07/19/24 15:50	10
Bromobenzene	<5.0		5.0	ug/L			07/19/24 15:50	10
Trichloroethene	<5.0		5.0	ug/L			07/19/24 15:50	10
1,1,2,2-Tetrachloroethane	<5.0		5.0	ug/L			07/19/24 15:50	10

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-2A(071024)

Lab Sample ID: 410-179472-3

Date Collected: 07/10/24 14:30

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<5.0		5.0	ug/L			07/19/24 15:50	10
1,2-Dichlorobenzene	<5.0		5.0	ug/L			07/19/24 15:50	10
1,2-Dibromo-3-Chloropropane	<5.0		5.0	ug/L			07/19/24 15:50	10
Isopropylbenzene	110		5.0	ug/L			07/19/24 15:50	10
Dibromomethane	<5.0		5.0	ug/L			07/19/24 15:50	10
di-Isopropyl ether	<5.0		5.0	ug/L			07/19/24 15:50	10
Ethyl t-butyl ether	<5.0		5.0	ug/L			07/19/24 15:50	10
Hexachlorobutadiene	<5.0		5.0	ug/L			07/19/24 15:50	10
n-Butylbenzene	12		5.0	ug/L			07/19/24 15:50	10
p-Isopropyltoluene	<5.0		5.0	ug/L			07/19/24 15:50	10
sec-Butylbenzene	11		5.0	ug/L			07/19/24 15:50	10
t-Amyl methyl ether	<5.0		5.0	ug/L			07/19/24 15:50	10
t-Butyl alcohol	<100		100	ug/L			07/19/24 15:50	10
tert-Butylbenzene	<5.0		5.0	ug/L			07/19/24 15:50	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/19/24 15:50	10
4-Bromofluorobenzene (Surr)	98		80 - 120		07/19/24 15:50	10
Dibromofluoromethane (Surr)	98		80 - 120		07/19/24 15:50	10
Toluene-d8 (Surr)	100		80 - 120		07/19/24 15:50	10

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1800		50	ug/L			07/19/24 16:12	100
1,2,4-Trimethylbenzene	740		50	ug/L			07/19/24 16:12	100
Xylenes, Total	1900		100	ug/L			07/19/24 16:12	100
Naphthalene	600		50	ug/L			07/19/24 16:12	100
N-Propylbenzene	280		50	ug/L			07/19/24 16:12	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/19/24 16:12	100
4-Bromofluorobenzene (Surr)	97		80 - 120		07/19/24 16:12	100
Dibromofluoromethane (Surr)	100		80 - 120		07/19/24 16:12	100
Toluene-d8 (Surr)	99		80 - 120		07/19/24 16:12	100

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-1A(071024)

Lab Sample ID: 410-179472-4

Date Collected: 07/10/24 15:22

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.5		2.5	ug/L			07/19/24 15:06	5
Styrene	<2.5		2.5	ug/L			07/19/24 15:06	5
1,1-Dichloropropene	<2.5		2.5	ug/L			07/19/24 15:06	5
cis-1,3-Dichloropropene	<2.5		2.5	ug/L			07/19/24 15:06	5
trans-1,3-Dichloropropene	<2.5		2.5	ug/L			07/19/24 15:06	5
1,2,3-Trichloropropane	<5.0		5.0	ug/L			07/19/24 15:06	5
1,4-Dichlorobenzene	<2.5		2.5	ug/L			07/19/24 15:06	5
1,2-Dibromoethane	<2.5		2.5	ug/L			07/19/24 15:06	5
1,2-Dichloroethane	<2.5		2.5	ug/L			07/19/24 15:06	5
4-Methyl-2-pentanone	<25		25	ug/L			07/19/24 15:06	5
Chlorobenzene	<2.5		2.5	ug/L			07/19/24 15:06	5
1,2,4-Trichlorobenzene	<2.5		2.5	ug/L			07/19/24 15:06	5
Dibromochloromethane	<2.5		2.5	ug/L			07/19/24 15:06	5
Tetrachloroethene	<2.5		2.5	ug/L			07/19/24 15:06	5
cis-1,2-Dichloroethene	<2.5		2.5	ug/L			07/19/24 15:06	5
trans-1,2-Dichloroethene	<2.5		2.5	ug/L			07/19/24 15:06	5
1,3-Dichloropropane	<2.5		2.5	ug/L			07/19/24 15:06	5
Methyl tertiary butyl ether	<2.5		2.5	ug/L			07/19/24 15:06	5
1,3-Dichlorobenzene	<2.5		2.5	ug/L			07/19/24 15:06	5
Carbon tetrachloride	<2.5		2.5	ug/L			07/19/24 15:06	5
2-Hexanone	<25		25	ug/L			07/19/24 15:06	5
Acetone	<25	cn	25	ug/L			07/19/24 15:06	5
Chloroform	<2.5		2.5	ug/L			07/19/24 15:06	5
Benzene	11		2.5	ug/L			07/19/24 15:06	5
1,1,1-Trichloroethane	<2.5		2.5	ug/L			07/19/24 15:06	5
2,2-Dichloropropane	<2.5		2.5	ug/L			07/19/24 15:06	5
Bromomethane	<2.5		2.5	ug/L			07/19/24 15:06	5
Chloromethane	<2.5		2.5	ug/L			07/19/24 15:06	5
Bromochloromethane	<2.5		2.5	ug/L			07/19/24 15:06	5
Chloroethane	2.6		2.5	ug/L			07/19/24 15:06	5
2-Chlorotoluene	<2.5		2.5	ug/L			07/19/24 15:06	5
Vinyl chloride	<2.5		2.5	ug/L			07/19/24 15:06	5
Methylene Chloride	<2.5		2.5	ug/L			07/19/24 15:06	5
Carbon disulfide	<5.0		5.0	ug/L			07/19/24 15:06	5
4-Chlorotoluene	<2.5		2.5	ug/L			07/19/24 15:06	5
Bromoform	<5.0		5.0	ug/L			07/19/24 15:06	5
Bromodichloromethane	<2.5		2.5	ug/L			07/19/24 15:06	5
1,1-Dichloroethane	<2.5		2.5	ug/L			07/19/24 15:06	5
1,1-Dichloroethene	<2.5		2.5	ug/L			07/19/24 15:06	5
Trichlorofluoromethane	<2.5		2.5	ug/L			07/19/24 15:06	5
Dichlorodifluoromethane	<2.5		2.5	ug/L			07/19/24 15:06	5
1,2-Dichloropropane	<2.5		2.5	ug/L			07/19/24 15:06	5
2-Butanone	29		25	ug/L			07/19/24 15:06	5
1,1,2-Trichloroethane	<2.5		2.5	ug/L			07/19/24 15:06	5
Bromobenzene	<2.5		2.5	ug/L			07/19/24 15:06	5
Trichloroethene	<2.5		2.5	ug/L			07/19/24 15:06	5
1,1,2,2-Tetrachloroethane	<2.5		2.5	ug/L			07/19/24 15:06	5
1,2,3-Trichlorobenzene	<2.5		2.5	ug/L			07/19/24 15:06	5
1,2-Dichlorobenzene	<2.5		2.5	ug/L			07/19/24 15:06	5

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-1A(071024)

Lab Sample ID: 410-179472-4

Date Collected: 07/10/24 15:22

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<2.5		2.5	ug/L			07/19/24 15:06	5
Isopropylbenzene	51		2.5	ug/L			07/19/24 15:06	5
Dibromomethane	<2.5		2.5	ug/L			07/19/24 15:06	5
di-Isopropyl ether	<2.5		2.5	ug/L			07/19/24 15:06	5
Ethyl t-butyl ether	<2.5		2.5	ug/L			07/19/24 15:06	5
Hexachlorobutadiene	<2.5		2.5	ug/L			07/19/24 15:06	5
n-Butylbenzene	13		2.5	ug/L			07/19/24 15:06	5
p-Isopropyltoluene	4.3		2.5	ug/L			07/19/24 15:06	5
sec-Butylbenzene	7.9		2.5	ug/L			07/19/24 15:06	5
t-Amyl methyl ether	<2.5		2.5	ug/L			07/19/24 15:06	5
t-Butyl alcohol	<50		50	ug/L			07/19/24 15:06	5
tert-Butylbenzene	<2.5		2.5	ug/L			07/19/24 15:06	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/19/24 15:06	5
4-Bromofluorobenzene (Surr)	96		80 - 120		07/19/24 15:06	5
Dibromofluoromethane (Surr)	101		80 - 120		07/19/24 15:06	5
Toluene-d8 (Surr)	101		80 - 120		07/19/24 15:06	5

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	410		10	ug/L			07/19/24 15:28	20
1,3,5-Trimethylbenzene	170		10	ug/L			07/19/24 15:28	20
Naphthalene	170		10	ug/L			07/19/24 15:28	20
N-Propylbenzene	160		10	ug/L			07/19/24 15:28	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		07/19/24 15:28	20
4-Bromofluorobenzene (Surr)	98		80 - 120		07/19/24 15:28	20
Dibromofluoromethane (Surr)	100		80 - 120		07/19/24 15:28	20
Toluene-d8 (Surr)	100		80 - 120		07/19/24 15:28	20

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	480		50	ug/L			07/22/24 19:18	100
1,2,4-Trimethylbenzene	670		50	ug/L			07/22/24 19:18	100
Xylenes, Total	1300		100	ug/L			07/22/24 19:18	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		07/22/24 19:18	100
4-Bromofluorobenzene (Surr)	96		80 - 120		07/22/24 19:18	100
Dibromofluoromethane (Surr)	103		80 - 120		07/22/24 19:18	100
Toluene-d8 (Surr)	99		80 - 120		07/22/24 19:18	100

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-11(071024)

Lab Sample ID: 410-179472-5

Date Collected: 07/10/24 15:56

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Styrene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,1-Dichloropropene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
cis-1,3-Dichloropropene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
trans-1,3-Dichloropropene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,2,3-Trichloropropane	<1.0	cn	1.0	ug/L			07/19/24 14:21	1
1,4-Dichlorobenzene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,2-Dibromoethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,2-Dichloroethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
4-Methyl-2-pentanone	<5.0	cn	5.0	ug/L			07/19/24 14:21	1
Toluene	1.5	cn	0.50	ug/L			07/19/24 14:21	1
Chlorobenzene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,2,4-Trichlorobenzene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Dibromochloromethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Tetrachloroethene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,3,5-Trimethylbenzene	1.0	cn	0.50	ug/L			07/19/24 14:21	1
Xylenes, Total	8.2	cn	1.0	ug/L			07/19/24 14:21	1
cis-1,2-Dichloroethene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
trans-1,2-Dichloroethene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,3-Dichloropropane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Methyl tertiary butyl ether	0.76	cn	0.50	ug/L			07/19/24 14:21	1
1,3-Dichlorobenzene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Carbon tetrachloride	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
2-Hexanone	<5.0	cn	5.0	ug/L			07/19/24 14:21	1
Acetone	<5.0	cn	5.0	ug/L			07/19/24 14:21	1
Chloroform	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Benzene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,1,1-Trichloroethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
2,2-Dichloropropane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Bromomethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Chloromethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Bromochloromethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Chloroethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
2-Chlorotoluene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Vinyl chloride	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Methylene Chloride	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Carbon disulfide	<1.0	cn	1.0	ug/L			07/19/24 14:21	1
4-Chlorotoluene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Bromoform	<1.0	cn	1.0	ug/L			07/19/24 14:21	1
Bromodichloromethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,1-Dichloroethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,1-Dichloroethene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Trichlorofluoromethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Dichlorodifluoromethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,2-Dichloropropane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
2-Butanone	<5.0	cn	5.0	ug/L			07/19/24 14:21	1
1,1,2-Trichloroethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Bromobenzene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Trichloroethene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-11(071024)

Lab Sample ID: 410-179472-5

Date Collected: 07/10/24 15:56

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,2,3-Trichlorobenzene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,2-Dichlorobenzene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
1,2-Dibromo-3-Chloropropane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Isopropylbenzene	14	cn	0.50	ug/L			07/19/24 14:21	1
Dibromomethane	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
di-Isopropyl ether	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Ethyl t-butyl ether	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
Hexachlorobutadiene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
n-Butylbenzene	2.1	cn	0.50	ug/L			07/19/24 14:21	1
p-Isopropyltoluene	0.63	cn	0.50	ug/L			07/19/24 14:21	1
sec-Butylbenzene	2.2	cn	0.50	ug/L			07/19/24 14:21	1
t-Amyl methyl ether	<0.50	cn	0.50	ug/L			07/19/24 14:21	1
t-Butyl alcohol	<10	cn	10	ug/L			07/19/24 14:21	1
tert-Butylbenzene	<0.50	cn	0.50	ug/L			07/19/24 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	cn	80 - 120		07/19/24 14:21	1
4-Bromofluorobenzene (Surr)	96	cn	80 - 120		07/19/24 14:21	1
Dibromofluoromethane (Surr)	102	cn	80 - 120		07/19/24 14:21	1
Toluene-d8 (Surr)	100	cn	80 - 120		07/19/24 14:21	1

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	8.8		5.0	ug/L			07/19/24 14:43	10
1,2,4-Trimethylbenzene	8.7		5.0	ug/L			07/19/24 14:43	10
Naphthalene	13		5.0	ug/L			07/19/24 14:43	10
N-Propylbenzene	<5.0		5.0	ug/L			07/19/24 14:43	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		07/19/24 14:43	10
4-Bromofluorobenzene (Surr)	96		80 - 120		07/19/24 14:43	10
Dibromofluoromethane (Surr)	103		80 - 120		07/19/24 14:43	10
Toluene-d8 (Surr)	99		80 - 120		07/19/24 14:43	10

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-10(071024)

Lab Sample ID: 410-179472-6

Date Collected: 07/10/24 16:40

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 13:59	1
Ethylbenzene	1.1		0.50	ug/L			07/19/24 13:59	1
Styrene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/19/24 13:59	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 13:59	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/19/24 13:59	1
1,4-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,2-Dibromoethane	<0.50		0.50	ug/L			07/19/24 13:59	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/19/24 13:59	1
1,2,4-Trimethylbenzene	0.54		0.50	ug/L			07/19/24 13:59	1
4-Methyl-2-pentanone	<5.0		5.0	ug/L			07/19/24 13:59	1
Toluene	0.69		0.50	ug/L			07/19/24 13:59	1
Chlorobenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
Dibromochloromethane	<0.50		0.50	ug/L			07/19/24 13:59	1
Tetrachloroethene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
Xylenes, Total	1.7		1.0	ug/L			07/19/24 13:59	1
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 13:59	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/19/24 13:59	1
Methyl tertiary butyl ether	<0.50		0.50	ug/L			07/19/24 13:59	1
1,3-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/19/24 13:59	1
2-Hexanone	<5.0		5.0	ug/L			07/19/24 13:59	1
Acetone	<5.0	cn	5.0	ug/L			07/19/24 13:59	1
Chloroform	<0.50		0.50	ug/L			07/19/24 13:59	1
Benzene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/19/24 13:59	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 13:59	1
Bromomethane	<0.50		0.50	ug/L			07/19/24 13:59	1
Chloromethane	<0.50		0.50	ug/L			07/19/24 13:59	1
Bromochloromethane	<0.50		0.50	ug/L			07/19/24 13:59	1
Chloroethane	<0.50		0.50	ug/L			07/19/24 13:59	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 13:59	1
Vinyl chloride	<0.50		0.50	ug/L			07/19/24 13:59	1
Methylene Chloride	<0.50		0.50	ug/L			07/19/24 13:59	1
Carbon disulfide	<1.0		1.0	ug/L			07/19/24 13:59	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 13:59	1
Bromoform	<1.0		1.0	ug/L			07/19/24 13:59	1
Bromodichloromethane	<0.50		0.50	ug/L			07/19/24 13:59	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/19/24 13:59	1
1,1-Dichloroethene	<0.50		0.50	ug/L			07/19/24 13:59	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/19/24 13:59	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/19/24 13:59	1
1,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 13:59	1
2-Butanone	<5.0		5.0	ug/L			07/19/24 13:59	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/19/24 13:59	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-10(071024)

Lab Sample ID: 410-179472-6

Date Collected: 07/10/24 16:40

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
Trichloroethene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 13:59	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,2-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	ug/L			07/19/24 13:59	1
Isopropylbenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
Dibromomethane	<0.50		0.50	ug/L			07/19/24 13:59	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/19/24 13:59	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/19/24 13:59	1
Hexachlorobutadiene	<0.50		0.50	ug/L			07/19/24 13:59	1
Naphthalene	<0.50		0.50	ug/L			07/19/24 13:59	1
n-Butylbenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
N-Propylbenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/19/24 13:59	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/19/24 13:59	1
t-Butyl alcohol	<10		10	ug/L			07/19/24 13:59	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/19/24 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120				07/19/24 13:59	1
4-Bromofluorobenzene (Surr)	95		80 - 120				07/19/24 13:59	1
Dibromofluoromethane (Surr)	102		80 - 120				07/19/24 13:59	1
Toluene-d8 (Surr)	99		80 - 120				07/19/24 13:59	1

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-5A(071024)

Lab Sample ID: 410-179472-7

Date Collected: 07/10/24 17:40

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<5.0		5.0	ug/L			07/19/24 16:35	10
Styrene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,1-Dichloropropene	<5.0		5.0	ug/L			07/19/24 16:35	10
cis-1,3-Dichloropropene	<5.0		5.0	ug/L			07/19/24 16:35	10
trans-1,3-Dichloropropene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,2,3-Trichloropropane	<10		10	ug/L			07/19/24 16:35	10
1,4-Dichlorobenzene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,2-Dibromoethane	<5.0		5.0	ug/L			07/19/24 16:35	10
1,2-Dichloroethane	<5.0		5.0	ug/L			07/19/24 16:35	10
4-Methyl-2-pentanone	<50		50	ug/L			07/19/24 16:35	10
Toluene	13		5.0	ug/L			07/19/24 16:35	10
Chlorobenzene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,2,4-Trichlorobenzene	<5.0		5.0	ug/L			07/19/24 16:35	10
Dibromochloromethane	<5.0		5.0	ug/L			07/19/24 16:35	10
Tetrachloroethene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,3,5-Trimethylbenzene	230		5.0	ug/L			07/19/24 16:35	10
cis-1,2-Dichloroethene	<5.0		5.0	ug/L			07/19/24 16:35	10
trans-1,2-Dichloroethene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,3-Dichloropropane	<5.0		5.0	ug/L			07/19/24 16:35	10
Methyl tertiary butyl ether	<5.0		5.0	ug/L			07/19/24 16:35	10
1,3-Dichlorobenzene	<5.0		5.0	ug/L			07/19/24 16:35	10
Carbon tetrachloride	<5.0		5.0	ug/L			07/19/24 16:35	10
2-Hexanone	<50		50	ug/L			07/19/24 16:35	10
Acetone	<50	cn	50	ug/L			07/19/24 16:35	10
Chloroform	<5.0		5.0	ug/L			07/19/24 16:35	10
Benzene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,1,1-Trichloroethane	<5.0		5.0	ug/L			07/19/24 16:35	10
2,2-Dichloropropane	<5.0		5.0	ug/L			07/19/24 16:35	10
Bromomethane	<5.0		5.0	ug/L			07/19/24 16:35	10
Chloromethane	<5.0		5.0	ug/L			07/19/24 16:35	10
Bromochloromethane	<5.0		5.0	ug/L			07/19/24 16:35	10
Chloroethane	<5.0		5.0	ug/L			07/19/24 16:35	10
2-Chlorotoluene	<5.0		5.0	ug/L			07/19/24 16:35	10
Vinyl chloride	<5.0		5.0	ug/L			07/19/24 16:35	10
Methylene Chloride	<5.0		5.0	ug/L			07/19/24 16:35	10
Carbon disulfide	<10		10	ug/L			07/19/24 16:35	10
4-Chlorotoluene	<5.0		5.0	ug/L			07/19/24 16:35	10
Bromoform	<10		10	ug/L			07/19/24 16:35	10
Bromodichloromethane	<5.0		5.0	ug/L			07/19/24 16:35	10
1,1-Dichloroethane	<5.0		5.0	ug/L			07/19/24 16:35	10
1,1-Dichloroethene	<5.0		5.0	ug/L			07/19/24 16:35	10
Trichlorofluoromethane	<5.0		5.0	ug/L			07/19/24 16:35	10
Dichlorodifluoromethane	<5.0		5.0	ug/L			07/19/24 16:35	10
1,2-Dichloropropane	<5.0		5.0	ug/L			07/19/24 16:35	10
2-Butanone	<50		50	ug/L			07/19/24 16:35	10
1,1,2-Trichloroethane	<5.0		5.0	ug/L			07/19/24 16:35	10
Bromobenzene	<5.0		5.0	ug/L			07/19/24 16:35	10
Trichloroethene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,1,2,2-Tetrachloroethane	<5.0		5.0	ug/L			07/19/24 16:35	10

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: MW-5A(071024)

Lab Sample ID: 410-179472-7

Date Collected: 07/10/24 17:40

Matrix: Groundwater

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,2-Dichlorobenzene	<5.0		5.0	ug/L			07/19/24 16:35	10
1,2-Dibromo-3-Chloropropane	<5.0		5.0	ug/L			07/19/24 16:35	10
Isopropylbenzene	74		5.0	ug/L			07/19/24 16:35	10
Dibromomethane	<5.0		5.0	ug/L			07/19/24 16:35	10
di-Isopropyl ether	<5.0		5.0	ug/L			07/19/24 16:35	10
Ethyl t-butyl ether	<5.0		5.0	ug/L			07/19/24 16:35	10
Hexachlorobutadiene	<5.0		5.0	ug/L			07/19/24 16:35	10
Naphthalene	130		5.0	ug/L			07/19/24 16:35	10
n-Butylbenzene	26		5.0	ug/L			07/19/24 16:35	10
N-Propylbenzene	240		5.0	ug/L			07/19/24 16:35	10
p-Isopropyltoluene	9.8		5.0	ug/L			07/19/24 16:35	10
sec-Butylbenzene	20		5.0	ug/L			07/19/24 16:35	10
t-Amyl methyl ether	<5.0		5.0	ug/L			07/19/24 16:35	10
t-Butyl alcohol	<100		100	ug/L			07/19/24 16:35	10
tert-Butylbenzene	<5.0		5.0	ug/L			07/19/24 16:35	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/19/24 16:35	10
4-Bromofluorobenzene (Surr)	99		80 - 120		07/19/24 16:35	10
Dibromofluoromethane (Surr)	98		80 - 120		07/19/24 16:35	10
Toluene-d8 (Surr)	102		80 - 120		07/19/24 16:35	10

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	380		50	ug/L			07/19/24 16:57	100
1,2,4-Trimethylbenzene	1100		50	ug/L			07/19/24 16:57	100
Xylenes, Total	950		100	ug/L			07/19/24 16:57	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		07/19/24 16:57	100
4-Bromofluorobenzene (Surr)	99		80 - 120		07/19/24 16:57	100
Dibromofluoromethane (Surr)	99		80 - 120		07/19/24 16:57	100
Toluene-d8 (Surr)	103		80 - 120		07/19/24 16:57	100

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-179472-8

Date Collected: 07/10/24 00:00

Matrix: Water

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 12:51	1
Ethylbenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
Styrene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/19/24 12:51	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 12:51	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/19/24 12:51	1
1,4-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,2-Dibromoethane	<0.50		0.50	ug/L			07/19/24 12:51	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/19/24 12:51	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
4-Methyl-2-pentanone	<5.0		5.0	ug/L			07/19/24 12:51	1
Toluene	<0.50		0.50	ug/L			07/19/24 12:51	1
Chlorobenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
Dibromochloromethane	<0.50		0.50	ug/L			07/19/24 12:51	1
Tetrachloroethene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
Xylenes, Total	<1.0		1.0	ug/L			07/19/24 12:51	1
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 12:51	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/19/24 12:51	1
Methyl tertiary butyl ether	<0.50		0.50	ug/L			07/19/24 12:51	1
1,3-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/19/24 12:51	1
2-Hexanone	<5.0		5.0	ug/L			07/19/24 12:51	1
Acetone	25	cn	5.0	ug/L			07/19/24 12:51	1
Chloroform	<0.50		0.50	ug/L			07/19/24 12:51	1
Benzene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/19/24 12:51	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 12:51	1
Bromomethane	<0.50		0.50	ug/L			07/19/24 12:51	1
Chloromethane	<0.50		0.50	ug/L			07/19/24 12:51	1
Bromochloromethane	<0.50		0.50	ug/L			07/19/24 12:51	1
Chloroethane	<0.50		0.50	ug/L			07/19/24 12:51	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 12:51	1
Vinyl chloride	<0.50		0.50	ug/L			07/19/24 12:51	1
Methylene Chloride	<0.50		0.50	ug/L			07/19/24 12:51	1
Carbon disulfide	<1.0		1.0	ug/L			07/19/24 12:51	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 12:51	1
Bromoform	<1.0		1.0	ug/L			07/19/24 12:51	1
Bromodichloromethane	<0.50		0.50	ug/L			07/19/24 12:51	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/19/24 12:51	1
1,1-Dichloroethene	<0.50		0.50	ug/L			07/19/24 12:51	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/19/24 12:51	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/19/24 12:51	1
1,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 12:51	1
2-Butanone	<5.0		5.0	ug/L			07/19/24 12:51	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/19/24 12:51	1

Client Sample Results

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

Job ID: 410-179472-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-179472-8

Date Collected: 07/10/24 00:00

Matrix: Water

Date Received: 07/11/24 09:45

Method: SW846 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
Trichloroethene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 12:51	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,2-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	ug/L			07/19/24 12:51	1
Isopropylbenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
Dibromomethane	<0.50		0.50	ug/L			07/19/24 12:51	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/19/24 12:51	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/19/24 12:51	1
Hexachlorobutadiene	<0.50		0.50	ug/L			07/19/24 12:51	1
Naphthalene	<0.50		0.50	ug/L			07/19/24 12:51	1
n-Butylbenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
N-Propylbenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/19/24 12:51	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/19/24 12:51	1
t-Butyl alcohol	<10		10	ug/L			07/19/24 12:51	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/19/24 12:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120				07/19/24 12:51	1
4-Bromofluorobenzene (Surr)	95		80 - 120				07/19/24 12:51	1
Dibromofluoromethane (Surr)	103		80 - 120				07/19/24 12:51	1
Toluene-d8 (Surr)	100		80 - 120				07/19/24 12:51	1

Surrogate Summary

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Groundwater

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-179472-1	MW-3A(071024)	105	93	103	98
410-179472-2	MW-8(071024)	105	93	104	98
410-179472-3	MW-2A(071024)	101	98	98	100
410-179472-3 - DL	MW-2A(071024)	102	97	100	99
410-179472-4	MW-1A(071024)	102	96	101	101
410-179472-4 - DL	MW-1A(071024)	105	98	100	100
410-179472-4 - DL2	MW-1A(071024)	103	96	103	99
410-179472-5	MW-11(071024)	103 cn	96 cn	102 cn	100 cn
410-179472-5 - DL	MW-11(071024)	104	96	103	99
410-179472-6	MW-10(071024)	105	95	102	99
410-179472-7	MW-5A(071024)	101	99	98	102
410-179472-7 - DL	MW-5A(071024)	103	99	99	103
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-179472-8	Trip Blank	105	95	103	100
LCS 410-530198/4	Lab Control Sample	106	98	102	101
LCS 410-530788/4	Lab Control Sample	106	99	101	101
LCSD 410-530198/5	Lab Control Sample Dup	102	97	101	101
LCSD 410-530788/5	Lab Control Sample Dup	105	97	100	100
MB 410-530198/7	Method Blank	104	94	103	98
MB 410-530788/7	Method Blank	104	96	101	99
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-530198/7

Matrix: Water

Analysis Batch: 530198

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 12:29	1
Ethylbenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
Styrene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/19/24 12:29	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 12:29	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/19/24 12:29	1
1,4-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,2-Dibromoethane	<0.50		0.50	ug/L			07/19/24 12:29	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/19/24 12:29	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
4-Methyl-2-pentanone	<5.0		5.0	ug/L			07/19/24 12:29	1
Toluene	<0.50		0.50	ug/L			07/19/24 12:29	1
Chlorobenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
Dibromochloromethane	<0.50		0.50	ug/L			07/19/24 12:29	1
Tetrachloroethene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
Xylenes, Total	<1.0		1.0	ug/L			07/19/24 12:29	1
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 12:29	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/19/24 12:29	1
Methyl tertiary butyl ether	<0.50		0.50	ug/L			07/19/24 12:29	1
1,3-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/19/24 12:29	1
2-Hexanone	<5.0		5.0	ug/L			07/19/24 12:29	1
Acetone	<5.0		5.0	ug/L			07/19/24 12:29	1
Chloroform	<0.50		0.50	ug/L			07/19/24 12:29	1
Benzene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/19/24 12:29	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 12:29	1
Bromomethane	<0.50		0.50	ug/L			07/19/24 12:29	1
Chloromethane	<0.50		0.50	ug/L			07/19/24 12:29	1
Bromochloromethane	<0.50		0.50	ug/L			07/19/24 12:29	1
Chloroethane	<0.50		0.50	ug/L			07/19/24 12:29	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 12:29	1
Vinyl chloride	<0.50		0.50	ug/L			07/19/24 12:29	1
Methylene Chloride	<0.50		0.50	ug/L			07/19/24 12:29	1
Carbon disulfide	<1.0		1.0	ug/L			07/19/24 12:29	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/19/24 12:29	1
Bromoform	<1.0		1.0	ug/L			07/19/24 12:29	1
Bromodichloromethane	<0.50		0.50	ug/L			07/19/24 12:29	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/19/24 12:29	1
1,1-Dichloroethene	<0.50		0.50	ug/L			07/19/24 12:29	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/19/24 12:29	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/19/24 12:29	1
1,2-Dichloropropane	<0.50		0.50	ug/L			07/19/24 12:29	1
2-Butanone	<5.0		5.0	ug/L			07/19/24 12:29	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-530198/7

Matrix: Water

Analysis Batch: 530198

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/19/24 12:29	1
Bromobenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
Trichloroethene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/19/24 12:29	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,2-Dichlorobenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	ug/L			07/19/24 12:29	1
Isopropylbenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
Dibromomethane	<0.50		0.50	ug/L			07/19/24 12:29	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/19/24 12:29	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/19/24 12:29	1
Hexachlorobutadiene	<0.50		0.50	ug/L			07/19/24 12:29	1
Naphthalene	<0.50		0.50	ug/L			07/19/24 12:29	1
n-Butylbenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
N-Propylbenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/19/24 12:29	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/19/24 12:29	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/19/24 12:29	1
t-Butyl alcohol	<10		10	ug/L			07/19/24 12:29	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/19/24 12:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		07/19/24 12:29	1
4-Bromofluorobenzene (Surr)	94		80 - 120		07/19/24 12:29	1
Dibromofluoromethane (Surr)	103		80 - 120		07/19/24 12:29	1
Toluene-d8 (Surr)	98		80 - 120		07/19/24 12:29	1

Lab Sample ID: LCS 410-530198/4

Matrix: Water

Analysis Batch: 530198

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.52		ug/L		90	71 - 134
Ethylbenzene	5.00	4.34		ug/L		87	80 - 120
Styrene	5.00	4.46		ug/L		89	80 - 120
1,1-Dichloropropene	5.00	4.25		ug/L		85	74 - 120
cis-1,3-Dichloropropene	5.00	4.11		ug/L		82	67 - 121
trans-1,3-Dichloropropene	5.00	4.30		ug/L		86	61 - 129
1,2,3-Trichloropropane	5.00	4.59		ug/L		92	80 - 125
1,4-Dichlorobenzene	5.00	4.49		ug/L		90	80 - 120
1,2-Dibromoethane	5.00	4.58		ug/L		92	80 - 120
1,2-Dichloroethane	5.00	4.54		ug/L		91	69 - 122
1,2,4-Trimethylbenzene	5.00	4.28		ug/L		86	80 - 120
4-Methyl-2-pentanone	62.5	70.7		ug/L		113	55 - 140
Toluene	5.00	4.38		ug/L		88	80 - 120
Chlorobenzene	5.00	4.50		ug/L		90	80 - 120
1,2,4-Trichlorobenzene	5.00	4.03		ug/L		81	68 - 122
Dibromochloromethane	5.00	4.53		ug/L		91	64 - 138

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-530198/4

Matrix: Water

Analysis Batch: 530198

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	5.00	4.56		ug/L		91	80 - 120
1,3,5-Trimethylbenzene	5.00	4.31		ug/L		86	80 - 120
Xylenes, Total	15.0	13.1		ug/L		87	80 - 120
cis-1,2-Dichloroethene	5.00	4.43		ug/L		89	80 - 122
trans-1,2-Dichloroethene	5.00	4.38		ug/L		88	80 - 122
1,3-Dichloropropane	5.00	4.58		ug/L		92	80 - 120
Methyl tertiary butyl ether	5.00	4.23		ug/L		85	69 - 120
1,3-Dichlorobenzene	5.00	4.45		ug/L		89	80 - 120
Carbon tetrachloride	5.00	4.16		ug/L		83	64 - 141
2-Hexanone	62.5	70.9		ug/L		113	52 - 140
Acetone	62.5	63.6		ug/L		102	60 - 146
Chloroform	5.00	4.22		ug/L		84	80 - 120
Benzene	5.00	4.45		ug/L		89	80 - 120
1,1,1-Trichloroethane	5.00	4.31		ug/L		86	78 - 126
2,2-Dichloropropane	5.00	4.22		ug/L		84	61 - 141
Bromomethane	5.00	4.51		ug/L		90	60 - 136
Chloromethane	5.00	4.14		ug/L		83	56 - 124
Bromochloromethane	5.00	4.72		ug/L		94	80 - 120
Chloroethane	5.00	4.35		ug/L		87	63 - 120
2-Chlorotoluene	5.00	4.31		ug/L		86	80 - 120
Vinyl chloride	5.00	4.14		ug/L		83	60 - 125
Methylene Chloride	5.00	4.32		ug/L		86	80 - 120
Carbon disulfide	5.00	3.80		ug/L		76	67 - 130
4-Chlorotoluene	5.00	4.37		ug/L		87	80 - 120
Bromoform	5.00	4.31		ug/L		86	49 - 144
Bromodichloromethane	5.00	4.50		ug/L		90	73 - 124
1,1-Dichloroethane	5.00	4.55		ug/L		91	74 - 120
1,1-Dichloroethene	5.00	4.35		ug/L		87	80 - 131
Trichlorofluoromethane	5.00	4.16		ug/L		83	62 - 136
Dichlorodifluoromethane	5.00	3.27		ug/L		65	43 - 123
1,2-Dichloropropane	5.00	4.53		ug/L		91	80 - 120
2-Butanone	62.5	69.8		ug/L		112	59 - 141
1,1,2-Trichloroethane	5.00	4.65		ug/L		93	80 - 120
Bromobenzene	5.00	4.46		ug/L		89	80 - 120
Trichloroethene	5.00	4.33		ug/L		87	80 - 120
1,1,2,2-Tetrachloroethane	5.00	4.49		ug/L		90	75 - 123
1,2,3-Trichlorobenzene	5.00	3.79		ug/L		76	68 - 125
1,2-Dichlorobenzene	5.00	4.54		ug/L		91	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	3.95		ug/L		79	56 - 148
Isopropylbenzene	5.00	4.62		ug/L		92	80 - 120
Dibromomethane	5.00	4.58		ug/L		92	80 - 122
di-Isopropyl ether	5.00	4.25		ug/L		85	58 - 131
Ethyl t-butyl ether	5.00	4.26		ug/L		85	57 - 126
Hexachlorobutadiene	5.00	4.10		ug/L		82	72 - 132
Naphthalene	5.00	3.90		ug/L		78	64 - 122
n-Butylbenzene	5.00	4.22		ug/L		84	74 - 123
N-Propylbenzene	5.00	4.32		ug/L		86	74 - 122
p-Isopropyltoluene	5.00	4.23		ug/L		85	80 - 120
sec-Butylbenzene	5.00	4.23		ug/L		85	80 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-530198/4

Matrix: Water

Analysis Batch: 530198

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
t-Amyl methyl ether	5.00	4.26		ug/L		85	65 - 125
t-Butyl alcohol	50.0	53.9		ug/L		108	62 - 138
tert-Butylbenzene	5.00	4.31		ug/L		86	79 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 410-530198/5

Matrix: Water

Analysis Batch: 530198

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.43		ug/L		89	71 - 134	2	30
Ethylbenzene	5.00	4.28		ug/L		86	80 - 120	1	30
Styrene	5.00	4.39		ug/L		88	80 - 120	2	30
1,1-Dichloropropene	5.00	4.25		ug/L		85	74 - 120	0	30
cis-1,3-Dichloropropene	5.00	4.12		ug/L		82	67 - 121	0	30
trans-1,3-Dichloropropene	5.00	4.25		ug/L		85	61 - 129	1	30
1,2,3-Trichloropropane	5.00	4.41		ug/L		88	80 - 125	4	30
1,4-Dichlorobenzene	5.00	4.41		ug/L		88	80 - 120	2	30
1,2-Dibromoethane	5.00	4.43		ug/L		89	80 - 120	3	30
1,2-Dichloroethane	5.00	4.37		ug/L		87	69 - 122	4	30
1,2,4-Trimethylbenzene	5.00	4.20		ug/L		84	80 - 120	2	30
4-Methyl-2-pentanone	62.5	68.6		ug/L		110	55 - 140	3	30
Toluene	5.00	4.31		ug/L		86	80 - 120	1	30
Chlorobenzene	5.00	4.46		ug/L		89	80 - 120	1	30
1,2,4-Trichlorobenzene	5.00	3.99		ug/L		80	68 - 122	1	30
Dibromochloromethane	5.00	4.43		ug/L		89	64 - 138	2	30
Tetrachloroethene	5.00	4.50		ug/L		90	80 - 120	1	30
1,3,5-Trimethylbenzene	5.00	4.22		ug/L		84	80 - 120	2	30
Xylenes, Total	15.0	13.0		ug/L		86	80 - 120	1	30
cis-1,2-Dichloroethene	5.00	4.41		ug/L		88	80 - 122	0	30
trans-1,2-Dichloroethene	5.00	4.33		ug/L		87	80 - 122	1	30
1,3-Dichloropropane	5.00	4.48		ug/L		90	80 - 120	2	30
Methyl tertiary butyl ether	5.00	4.21		ug/L		84	69 - 120	0	30
1,3-Dichlorobenzene	5.00	4.39		ug/L		88	80 - 120	1	30
Carbon tetrachloride	5.00	4.12		ug/L		82	64 - 141	1	30
2-Hexanone	62.5	67.0		ug/L		107	52 - 140	6	30
Acetone	62.5	59.4		ug/L		95	60 - 146	7	30
Chloroform	5.00	4.20		ug/L		84	80 - 120	1	30
Benzene	5.00	4.40		ug/L		88	80 - 120	1	30
1,1,1-Trichloroethane	5.00	4.28		ug/L		86	78 - 126	1	30
2,2-Dichloropropane	5.00	4.09		ug/L		82	61 - 141	3	30
Bromomethane	5.00	4.19		ug/L		84	60 - 136	7	30
Chloromethane	5.00	4.14		ug/L		83	56 - 124	0	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-530198/5

Matrix: Water

Analysis Batch: 530198

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
Bromochloromethane	5.00	4.63		ug/L		93	80 - 120	2	30
Chloroethane	5.00	4.35		ug/L		87	63 - 120	0	30
2-Chlorotoluene	5.00	4.23		ug/L		85	80 - 120	2	30
Vinyl chloride	5.00	4.11		ug/L		82	60 - 125	1	30
Methylene Chloride	5.00	4.35		ug/L		87	80 - 120	1	30
Carbon disulfide	5.00	3.80		ug/L		76	67 - 130	0	30
4-Chlorotoluene	5.00	4.33		ug/L		87	80 - 120	1	30
Bromoform	5.00	4.21		ug/L		84	49 - 144	2	30
Bromodichloromethane	5.00	4.40		ug/L		88	73 - 124	2	30
1,1-Dichloroethane	5.00	4.47		ug/L		89	74 - 120	2	30
1,1-Dichloroethene	5.00	4.32		ug/L		86	80 - 131	1	30
Trichlorofluoromethane	5.00	4.15		ug/L		83	62 - 136	0	30
Dichlorodifluoromethane	5.00	3.28		ug/L		66	43 - 123	0	30
1,2-Dichloropropane	5.00	4.52		ug/L		90	80 - 120	0	30
2-Butanone	62.5	66.3		ug/L		106	59 - 141	5	30
1,1,2-Trichloroethane	5.00	4.54		ug/L		91	80 - 120	2	30
Bromobenzene	5.00	4.40		ug/L		88	80 - 120	1	30
Trichloroethene	5.00	4.26		ug/L		85	80 - 120	2	30
1,1,2,2-Tetrachloroethane	5.00	4.35		ug/L		87	75 - 123	3	30
1,2,3-Trichlorobenzene	5.00	3.71		ug/L		74	68 - 125	2	30
1,2-Dichlorobenzene	5.00	4.40		ug/L		88	80 - 120	3	30
1,2-Dibromo-3-Chloropropane	5.00	3.82		ug/L		76	56 - 148	3	30
Isopropylbenzene	5.00	4.58		ug/L		92	80 - 120	1	30
Dibromomethane	5.00	4.54		ug/L		91	80 - 122	1	30
di-Isopropyl ether	5.00	4.23		ug/L		85	58 - 131	0	30
Ethyl t-butyl ether	5.00	4.20		ug/L		84	57 - 126	1	30
Hexachlorobutadiene	5.00	4.09		ug/L		82	72 - 132	0	30
Naphthalene	5.00	3.82		ug/L		76	64 - 122	2	30
n-Butylbenzene	5.00	4.12		ug/L		82	74 - 123	2	30
N-Propylbenzene	5.00	4.24		ug/L		85	74 - 122	2	30
p-Isopropyltoluene	5.00	4.15		ug/L		83	80 - 120	2	30
sec-Butylbenzene	5.00	4.20		ug/L		84	80 - 120	1	30
t-Amyl methyl ether	5.00	4.25		ug/L		85	65 - 125	0	30
t-Butyl alcohol	50.0	48.2		ug/L		96	62 - 138	11	30
tert-Butylbenzene	5.00	4.24		ug/L		85	79 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 410-530788/7

Matrix: Water

Analysis Batch: 530788

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/22/24 11:04	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-530788/7

Matrix: Water

Analysis Batch: 530788

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
Styrene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/22/24 11:04	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/24 11:04	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/22/24 11:04	1
1,4-Dichlorobenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,2-Dibromoethane	<0.50		0.50	ug/L			07/22/24 11:04	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/22/24 11:04	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
4-Methyl-2-pentanone	<5.0		5.0	ug/L			07/22/24 11:04	1
Toluene	<0.50		0.50	ug/L			07/22/24 11:04	1
Chlorobenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
Dibromochloromethane	<0.50		0.50	ug/L			07/22/24 11:04	1
Tetrachloroethene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
Xylenes, Total	<1.0		1.0	ug/L			07/22/24 11:04	1
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			07/22/24 11:04	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/22/24 11:04	1
Methyl tertiary butyl ether	<0.50		0.50	ug/L			07/22/24 11:04	1
1,3-Dichlorobenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/22/24 11:04	1
2-Hexanone	<5.0		5.0	ug/L			07/22/24 11:04	1
Acetone	<5.0		5.0	ug/L			07/22/24 11:04	1
Chloroform	<0.50		0.50	ug/L			07/22/24 11:04	1
Benzene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/22/24 11:04	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/22/24 11:04	1
Bromomethane	<0.50		0.50	ug/L			07/22/24 11:04	1
Chloromethane	<0.50		0.50	ug/L			07/22/24 11:04	1
Bromochloromethane	<0.50		0.50	ug/L			07/22/24 11:04	1
Chloroethane	<0.50		0.50	ug/L			07/22/24 11:04	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/22/24 11:04	1
Vinyl chloride	<0.50		0.50	ug/L			07/22/24 11:04	1
Methylene Chloride	<0.50		0.50	ug/L			07/22/24 11:04	1
Carbon disulfide	<1.0		1.0	ug/L			07/22/24 11:04	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/22/24 11:04	1
Bromoform	<1.0		1.0	ug/L			07/22/24 11:04	1
Bromodichloromethane	<0.50		0.50	ug/L			07/22/24 11:04	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/22/24 11:04	1
1,1-Dichloroethene	<0.50		0.50	ug/L			07/22/24 11:04	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/22/24 11:04	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/22/24 11:04	1
1,2-Dichloropropane	<0.50		0.50	ug/L			07/22/24 11:04	1
2-Butanone	<5.0		5.0	ug/L			07/22/24 11:04	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/22/24 11:04	1
Bromobenzene	<0.50		0.50	ug/L			07/22/24 11:04	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-530788/7

Matrix: Water

Analysis Batch: 530788

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/22/24 11:04	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,2-Dichlorobenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50	ug/L			07/22/24 11:04	1
Isopropylbenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
Dibromomethane	<0.50		0.50	ug/L			07/22/24 11:04	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/22/24 11:04	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/22/24 11:04	1
Hexachlorobutadiene	<0.50		0.50	ug/L			07/22/24 11:04	1
Naphthalene	<0.50		0.50	ug/L			07/22/24 11:04	1
n-Butylbenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
N-Propylbenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/22/24 11:04	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/22/24 11:04	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/22/24 11:04	1
t-Butyl alcohol	<10		10	ug/L			07/22/24 11:04	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/22/24 11:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		07/22/24 11:04	1
4-Bromofluorobenzene (Surr)	96		80 - 120		07/22/24 11:04	1
Dibromofluoromethane (Surr)	101		80 - 120		07/22/24 11:04	1
Toluene-d8 (Surr)	99		80 - 120		07/22/24 11:04	1

Lab Sample ID: LCS 410-530788/4

Matrix: Water

Analysis Batch: 530788

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.79		ug/L		96	71 - 134
Ethylbenzene	5.00	4.64		ug/L		93	80 - 120
Styrene	5.00	4.78		ug/L		96	80 - 120
1,1-Dichloropropene	5.00	4.57		ug/L		91	74 - 120
cis-1,3-Dichloropropene	5.00	4.65		ug/L		93	67 - 121
trans-1,3-Dichloropropene	5.00	4.81		ug/L		96	61 - 129
1,2,3-Trichloropropane	5.00	4.88		ug/L		98	80 - 125
1,4-Dichlorobenzene	5.00	4.69		ug/L		94	80 - 120
1,2-Dibromoethane	5.00	4.92		ug/L		98	80 - 120
1,2-Dichloroethane	5.00	4.88		ug/L		98	69 - 122
1,2,4-Trimethylbenzene	5.00	4.64		ug/L		93	80 - 120
4-Methyl-2-pentanone	62.5	60.0		ug/L		96	55 - 140
Toluene	5.00	4.71		ug/L		94	80 - 120
Chlorobenzene	5.00	4.82		ug/L		96	80 - 120
1,2,4-Trichlorobenzene	5.00	4.92		ug/L		98	68 - 122
Dibromochloromethane	5.00	4.90		ug/L		98	64 - 138
Tetrachloroethene	5.00	4.70		ug/L		94	80 - 120
1,3,5-Trimethylbenzene	5.00	4.62		ug/L		92	80 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-530788/4

Matrix: Water

Analysis Batch: 530788

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	15.0	14.0		ug/L		93	80 - 120
cis-1,2-Dichloroethene	5.00	4.81		ug/L		96	80 - 122
trans-1,2-Dichloroethene	5.00	4.83		ug/L		97	80 - 122
1,3-Dichloropropane	5.00	4.93		ug/L		99	80 - 120
Methyl tertiary butyl ether	5.00	4.81		ug/L		96	69 - 120
1,3-Dichlorobenzene	5.00	4.74		ug/L		95	80 - 120
Carbon tetrachloride	5.00	4.50		ug/L		90	64 - 141
2-Hexanone	62.5	57.8		ug/L		93	52 - 140
Acetone	62.5	56.5		ug/L		90	60 - 146
Chloroform	5.00	4.53		ug/L		91	80 - 120
Benzene	5.00	4.82		ug/L		96	80 - 120
1,1,1-Trichloroethane	5.00	4.63		ug/L		93	78 - 126
2,2-Dichloropropane	5.00	4.57		ug/L		91	61 - 141
Bromomethane	5.00	4.54		ug/L		91	60 - 136
Chloromethane	5.00	4.91		ug/L		98	56 - 124
Bromochloromethane	5.00	5.10		ug/L		102	80 - 120
Chloroethane	5.00	4.87		ug/L		97	63 - 120
2-Chlorotoluene	5.00	4.53		ug/L		91	80 - 120
Vinyl chloride	5.00	4.75		ug/L		95	60 - 125
Methylene Chloride	5.00	4.75		ug/L		95	80 - 120
Carbon disulfide	5.00	4.68		ug/L		94	67 - 130
4-Chlorotoluene	5.00	4.55		ug/L		91	80 - 120
Bromoform	5.00	4.78		ug/L		96	49 - 144
Bromodichloromethane	5.00	4.89		ug/L		98	73 - 124
1,1-Dichloroethane	5.00	4.95		ug/L		99	74 - 120
1,1-Dichloroethene	5.00	4.99		ug/L		100	80 - 131
Trichlorofluoromethane	5.00	4.41		ug/L		88	62 - 136
Dichlorodifluoromethane	5.00	4.42		ug/L		88	43 - 123
1,2-Dichloropropane	5.00	4.93		ug/L		99	80 - 120
2-Butanone	62.5	61.0		ug/L		98	59 - 141
1,1,2-Trichloroethane	5.00	4.95		ug/L		99	80 - 120
Bromobenzene	5.00	4.66		ug/L		93	80 - 120
Trichloroethene	5.00	4.61		ug/L		92	80 - 120
1,1,2,2-Tetrachloroethane	5.00	4.96		ug/L		99	75 - 123
1,2,3-Trichlorobenzene	5.00	4.88		ug/L		98	68 - 125
1,2-Dichlorobenzene	5.00	4.87		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	4.93		ug/L		99	56 - 148
Isopropylbenzene	5.00	4.99		ug/L		100	80 - 120
Dibromomethane	5.00	4.99		ug/L		100	80 - 122
di-Isopropyl ether	5.00	4.73		ug/L		95	58 - 131
Ethyl t-butyl ether	5.00	4.70		ug/L		94	57 - 126
Hexachlorobutadiene	5.00	4.76		ug/L		95	72 - 132
Naphthalene	5.00	5.20		ug/L		104	64 - 122
n-Butylbenzene	5.00	4.59		ug/L		92	74 - 123
N-Propylbenzene	5.00	4.61		ug/L		92	74 - 122
p-Isopropyltoluene	5.00	4.56		ug/L		91	80 - 120
sec-Butylbenzene	5.00	4.58		ug/L		92	80 - 120
t-Amyl methyl ether	5.00	4.77		ug/L		95	65 - 125
t-Butyl alcohol	50.0	39.1		ug/L		78	62 - 138

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-530788/4

Matrix: Water

Analysis Batch: 530788

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	5.00	4.50		ug/L		90	79 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 410-530788/5

Matrix: Water

Analysis Batch: 530788

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.75		ug/L		95	71 - 134	1	30
Ethylbenzene	5.00	4.55		ug/L		91	80 - 120	2	30
Styrene	5.00	4.70		ug/L		94	80 - 120	2	30
1,1-Dichloropropene	5.00	4.55		ug/L		91	74 - 120	0	30
cis-1,3-Dichloropropene	5.00	4.61		ug/L		92	67 - 121	1	30
trans-1,3-Dichloropropene	5.00	4.72		ug/L		94	61 - 129	2	30
1,2,3-Trichloropropane	5.00	4.91		ug/L		98	80 - 125	1	30
1,4-Dichlorobenzene	5.00	4.67		ug/L		93	80 - 120	0	30
1,2-Dibromoethane	5.00	4.83		ug/L		97	80 - 120	2	30
1,2-Dichloroethane	5.00	4.73		ug/L		95	69 - 122	3	30
1,2,4-Trimethylbenzene	5.00	4.57		ug/L		91	80 - 120	2	30
4-Methyl-2-pentanone	62.5	59.2		ug/L		95	55 - 140	1	30
Toluene	5.00	4.63		ug/L		93	80 - 120	2	30
Chlorobenzene	5.00	4.70		ug/L		94	80 - 120	2	30
1,2,4-Trichlorobenzene	5.00	4.81		ug/L		96	68 - 122	2	30
Dibromochloromethane	5.00	4.84		ug/L		97	64 - 138	1	30
Tetrachloroethene	5.00	4.59		ug/L		92	80 - 120	2	30
1,3,5-Trimethylbenzene	5.00	4.60		ug/L		92	80 - 120	0	30
Xylenes, Total	15.0	13.7		ug/L		92	80 - 120	2	30
cis-1,2-Dichloroethene	5.00	4.79		ug/L		96	80 - 122	0	30
trans-1,2-Dichloroethene	5.00	4.73		ug/L		95	80 - 122	2	30
1,3-Dichloropropane	5.00	4.89		ug/L		98	80 - 120	1	30
Methyl tertiary butyl ether	5.00	4.75		ug/L		95	69 - 120	1	30
1,3-Dichlorobenzene	5.00	4.70		ug/L		94	80 - 120	1	30
Carbon tetrachloride	5.00	4.45		ug/L		89	64 - 141	1	30
2-Hexanone	62.5	58.8		ug/L		94	52 - 140	2	30
Acetone	62.5	55.5		ug/L		89	60 - 146	2	30
Chloroform	5.00	4.45		ug/L		89	80 - 120	2	30
Benzene	5.00	4.76		ug/L		95	80 - 120	1	30
1,1,1-Trichloroethane	5.00	4.51		ug/L		90	78 - 126	3	30
2,2-Dichloropropane	5.00	4.48		ug/L		90	61 - 141	2	30
Bromomethane	5.00	4.63		ug/L		93	60 - 136	2	30
Chloromethane	5.00	4.90		ug/L		98	56 - 124	0	30
Bromochloromethane	5.00	4.98		ug/L		100	80 - 120	2	30
Chloroethane	5.00	4.79		ug/L		96	63 - 120	2	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-179472-1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-530788/5

Matrix: Water

Analysis Batch: 530788

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
2-Chlorotoluene	5.00	4.56		ug/L		91	80 - 120	1	30
Vinyl chloride	5.00	4.75		ug/L		95	60 - 125	0	30
Methylene Chloride	5.00	4.69		ug/L		94	80 - 120	1	30
Carbon disulfide	5.00	4.52		ug/L		90	67 - 130	3	30
4-Chlorotoluene	5.00	4.61		ug/L		92	80 - 120	1	30
Bromoform	5.00	4.70		ug/L		94	49 - 144	2	30
Bromodichloromethane	5.00	4.82		ug/L		96	73 - 124	1	30
1,1-Dichloroethane	5.00	4.83		ug/L		97	74 - 120	2	30
1,1-Dichloroethene	5.00	4.98		ug/L		100	80 - 131	0	30
Trichlorofluoromethane	5.00	4.33		ug/L		87	62 - 136	2	30
Dichlorodifluoromethane	5.00	4.30		ug/L		86	43 - 123	3	30
1,2-Dichloropropane	5.00	4.93		ug/L		99	80 - 120	0	30
2-Butanone	62.5	61.2		ug/L		98	59 - 141	0	30
1,1,2-Trichloroethane	5.00	4.88		ug/L		98	80 - 120	1	30
Bromobenzene	5.00	4.64		ug/L		93	80 - 120	0	30
Trichloroethene	5.00	4.63		ug/L		93	80 - 120	0	30
1,1,2,2-Tetrachloroethane	5.00	4.87		ug/L		97	75 - 123	2	30
1,2,3-Trichlorobenzene	5.00	4.73		ug/L		95	68 - 125	3	30
1,2-Dichlorobenzene	5.00	4.78		ug/L		96	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	5.00	4.97		ug/L		99	56 - 148	1	30
Isopropylbenzene	5.00	4.92		ug/L		98	80 - 120	1	30
Dibromomethane	5.00	4.94		ug/L		99	80 - 122	1	30
di-Isopropyl ether	5.00	4.70		ug/L		94	58 - 131	1	30
Ethyl t-butyl ether	5.00	4.73		ug/L		95	57 - 126	1	30
Hexachlorobutadiene	5.00	4.66		ug/L		93	72 - 132	2	30
Naphthalene	5.00	5.01		ug/L		100	64 - 122	4	30
n-Butylbenzene	5.00	4.56		ug/L		91	74 - 123	0	30
N-Propylbenzene	5.00	4.63		ug/L		93	74 - 122	0	30
p-Isopropyltoluene	5.00	4.54		ug/L		91	80 - 120	1	30
sec-Butylbenzene	5.00	4.55		ug/L		91	80 - 120	1	30
t-Amyl methyl ether	5.00	4.75		ug/L		95	65 - 125	0	30
t-Butyl alcohol	50.0	43.8		ug/L		88	62 - 138	11	30
tert-Butylbenzene	5.00	4.52		ug/L		90	79 - 120	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Association Summary

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

Job ID: 410-179472-1

GC/MS VOA

Analysis Batch: 530198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-179472-1	MW-3A(071024)	Total/NA	Groundwater	8260C LL	
410-179472-2	MW-8(071024)	Total/NA	Groundwater	8260C LL	
410-179472-3	MW-2A(071024)	Total/NA	Groundwater	8260C LL	
410-179472-3 - DL	MW-2A(071024)	Total/NA	Groundwater	8260C LL	
410-179472-4	MW-1A(071024)	Total/NA	Groundwater	8260C LL	
410-179472-4 - DL	MW-1A(071024)	Total/NA	Groundwater	8260C LL	
410-179472-5	MW-11(071024)	Total/NA	Groundwater	8260C LL	
410-179472-5 - DL	MW-11(071024)	Total/NA	Groundwater	8260C LL	
410-179472-6	MW-10(071024)	Total/NA	Groundwater	8260C LL	
410-179472-7	MW-5A(071024)	Total/NA	Groundwater	8260C LL	
410-179472-7 - DL	MW-5A(071024)	Total/NA	Groundwater	8260C LL	
410-179472-8	Trip Blank	Total/NA	Water	8260C LL	
MB 410-530198/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-530198/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-530198/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

Analysis Batch: 530788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-179472-4 - DL2	MW-1A(071024)	Total/NA	Groundwater	8260C LL	
MB 410-530788/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-530788/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-530788/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

Lab Chronicle

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

Job ID: 410-179472-1

Client Sample ID: MW-3A(071024)

Lab Sample ID: 410-179472-1

Date Collected: 07/10/24 12:22

Matrix: Groundwater

Date Received: 07/11/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	530198	DVW2	ELLE	07/19/24 13:14

Client Sample ID: MW-8(071024)

Lab Sample ID: 410-179472-2

Date Collected: 07/10/24 13:28

Matrix: Groundwater

Date Received: 07/11/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	530198	DVW2	ELLE	07/19/24 13:36

Client Sample ID: MW-2A(071024)

Lab Sample ID: 410-179472-3

Date Collected: 07/10/24 14:30

Matrix: Groundwater

Date Received: 07/11/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		10	530198	DVW2	ELLE	07/19/24 15:50
Total/NA	Analysis	8260C LL	DL	100	530198	DVW2	ELLE	07/19/24 16:12

Client Sample ID: MW-1A(071024)

Lab Sample ID: 410-179472-4

Date Collected: 07/10/24 15:22

Matrix: Groundwater

Date Received: 07/11/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		5	530198	DVW2	ELLE	07/19/24 15:06
Total/NA	Analysis	8260C LL	DL	20	530198	DVW2	ELLE	07/19/24 15:28
Total/NA	Analysis	8260C LL	DL2	100	530788	DVW2	ELLE	07/22/24 19:18

Client Sample ID: MW-11(071024)

Lab Sample ID: 410-179472-5

Date Collected: 07/10/24 15:56

Matrix: Groundwater

Date Received: 07/11/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	530198	DVW2	ELLE	07/19/24 14:21
Total/NA	Analysis	8260C LL	DL	10	530198	DVW2	ELLE	07/19/24 14:43

Client Sample ID: MW-10(071024)

Lab Sample ID: 410-179472-6

Date Collected: 07/10/24 16:40

Matrix: Groundwater

Date Received: 07/11/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	530198	DVW2	ELLE	07/19/24 13:59

Lab Chronicle

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

Job ID: 410-179472-1

Client Sample ID: MW-5A(071024)

Lab Sample ID: 410-179472-7

Date Collected: 07/10/24 17:40

Matrix: Groundwater

Date Received: 07/11/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		10	530198	DVW2	ELLE	07/19/24 16:35
Total/NA	Analysis	8260C LL	DL	100	530198	DVW2	ELLE	07/19/24 16:57

Client Sample ID: Trip Blank

Lab Sample ID: 410-179472-8

Date Collected: 07/10/24 00:00

Matrix: Water

Date Received: 07/11/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C LL		1	530198	DVW2	ELLE	07/19/24 12:51

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

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

Job ID: 410-179472-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Groundwater	1,1,1,2-Tetrachloroethane
8260C LL		Groundwater	1,1,1-Trichloroethane
8260C LL		Groundwater	1,1,2,2-Tetrachloroethane
8260C LL		Groundwater	1,1,2-Trichloroethane
8260C LL		Groundwater	1,1-Dichloroethane
8260C LL		Groundwater	1,1-Dichloroethene
8260C LL		Groundwater	1,1-Dichloropropene
8260C LL		Groundwater	1,2,3-Trichlorobenzene
8260C LL		Groundwater	1,2,3-Trichloropropane
8260C LL		Groundwater	1,2,4-Trichlorobenzene
8260C LL		Groundwater	1,2,4-Trimethylbenzene
8260C LL		Groundwater	1,2-Dibromo-3-Chloropropane
8260C LL		Groundwater	1,2-Dibromoethane
8260C LL		Groundwater	1,2-Dichlorobenzene
8260C LL		Groundwater	1,2-Dichloroethane
8260C LL		Groundwater	1,2-Dichloropropane
8260C LL		Groundwater	1,3,5-Trimethylbenzene
8260C LL		Groundwater	1,3-Dichlorobenzene
8260C LL		Groundwater	1,3-Dichloropropane
8260C LL		Groundwater	1,4-Dichlorobenzene
8260C LL		Groundwater	2,2-Dichloropropane
8260C LL		Groundwater	2-Butanone
8260C LL		Groundwater	2-Chlorotoluene
8260C LL		Groundwater	2-Hexanone
8260C LL		Groundwater	4-Chlorotoluene
8260C LL		Groundwater	4-Methyl-2-pentanone
8260C LL		Groundwater	Acetone
8260C LL		Groundwater	Benzene
8260C LL		Groundwater	Bromobenzene
8260C LL		Groundwater	Bromochloromethane
8260C LL		Groundwater	Bromodichloromethane
8260C LL		Groundwater	Bromoform
8260C LL		Groundwater	Bromomethane
8260C LL		Groundwater	Carbon disulfide
8260C LL		Groundwater	Carbon tetrachloride
8260C LL		Groundwater	Chlorobenzene
8260C LL		Groundwater	Chloroethane
8260C LL		Groundwater	Chloroform
8260C LL		Groundwater	Chloromethane
8260C LL		Groundwater	cis-1,2-Dichloroethene
8260C LL		Groundwater	cis-1,3-Dichloropropene
8260C LL		Groundwater	Dibromochloromethane
8260C LL		Groundwater	Dibromomethane
8260C LL		Groundwater	Dichlorodifluoromethane
8260C LL		Groundwater	di-Isopropyl ether

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

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

Job ID: 410-179472-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Groundwater	Ethyl t-butyl ether
8260C LL		Groundwater	Ethylbenzene
8260C LL		Groundwater	Hexachlorobutadiene
8260C LL		Groundwater	Isopropylbenzene
8260C LL		Groundwater	Methyl tertiary butyl ether
8260C LL		Groundwater	Methylene Chloride
8260C LL		Groundwater	Naphthalene
8260C LL		Groundwater	n-Butylbenzene
8260C LL		Groundwater	N-Propylbenzene
8260C LL		Groundwater	p-Isopropyltoluene
8260C LL		Groundwater	sec-Butylbenzene
8260C LL		Groundwater	Styrene
8260C LL		Groundwater	t-Amyl methyl ether
8260C LL		Groundwater	t-Butyl alcohol
8260C LL		Groundwater	tert-Butylbenzene
8260C LL		Groundwater	Tetrachloroethene
8260C LL		Groundwater	Toluene
8260C LL		Groundwater	trans-1,2-Dichloroethene
8260C LL		Groundwater	trans-1,3-Dichloropropene
8260C LL		Groundwater	Trichloroethene
8260C LL		Groundwater	Trichlorofluoromethane
8260C LL		Groundwater	Vinyl chloride
8260C LL		Groundwater	Xylenes, Total
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,1-Dichloropropene
8260C LL		Water	1,2,3-Trichlorobenzene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2,4-Trichlorobenzene
8260C LL		Water	1,2,4-Trimethylbenzene
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,3,5-Trimethylbenzene
8260C LL		Water	1,3-Dichlorobenzene
8260C LL		Water	1,3-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2,2-Dichloropropane
8260C LL		Water	2-Butanone
8260C LL		Water	2-Chlorotoluene
8260C LL		Water	2-Hexanone

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

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

Job ID: 410-179472-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260C LL		Water	4-Chlorotoluene
8260C LL		Water	4-Methyl-2-pentanone
8260C LL		Water	Acetone
8260C LL		Water	Benzene
8260C LL		Water	Bromobenzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Carbon tetrachloride
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Dichlorodifluoromethane
8260C LL		Water	di-Isopropyl ether
8260C LL		Water	Ethyl t-butyl ether
8260C LL		Water	Ethylbenzene
8260C LL		Water	Hexachlorobutadiene
8260C LL		Water	Isopropylbenzene
8260C LL		Water	Methyl tertiary butyl ether
8260C LL		Water	Methylene Chloride
8260C LL		Water	Naphthalene
8260C LL		Water	n-Butylbenzene
8260C LL		Water	N-Propylbenzene
8260C LL		Water	p-Isopropyltoluene
8260C LL		Water	sec-Butylbenzene
8260C LL		Water	Styrene
8260C LL		Water	t-Amyl methyl ether
8260C LL		Water	t-Butyl alcohol
8260C LL		Water	tert-Butylbenzene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene
8260C LL		Water	trans-1,3-Dichloropropene
8260C LL		Water	Trichloroethene
8260C LL		Water	Trichlorofluoromethane
8260C LL		Water	Vinyl chloride
8260C LL		Water	Xylenes, Total

Method Summary

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

Job ID: 410-179472-1

Method	Method Description	Protocol	Laboratory
8260C LL	Volatile Organic Compounds by GC/MS	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

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

Job ID: 410-179472-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-179472-1	MW-3A(071024)	Groundwater	07/10/24 12:22	07/11/24 09:45
410-179472-2	MW-8(071024)	Groundwater	07/10/24 13:28	07/11/24 09:45
410-179472-3	MW-2A(071024)	Groundwater	07/10/24 14:30	07/11/24 09:45
410-179472-4	MW-1A(071024)	Groundwater	07/10/24 15:22	07/11/24 09:45
410-179472-5	MW-11(071024)	Groundwater	07/10/24 15:56	07/11/24 09:45
410-179472-6	MW-10(071024)	Groundwater	07/10/24 16:40	07/11/24 09:45
410-179472-7	MW-5A(071024)	Groundwater	07/10/24 17:40	07/11/24 09:45
410-179472-8	Trip Blank	Water	07/10/24 00:00	07/11/24 09:45



410-179472 Chain of Custody

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Chain of Custody Record

eurofins

Environment Testing

Client Contact: Lopez, Ruben		Sampler: L. Donati		Lab PM: Moeller, Megan		Carrier Tracking No(s):		COC No: 410-124870-34562.1															
Hardik Patel		Phone:		E-Mail: Megan.Moeller@et.eurofinsus.com		State of Origin: MD		Page: Page 1 of 1															
Company: Arcadis U.S., Inc.		PWSID:		Analysis Requested						Job #													
Address: 175 Regency Woods Place Suite 400		Due Date Requested: JANUARY		VOC's by encl (8260)						Preservation Codes:													
City: Cary		TAT Requested (days): 14 days																					
State, Zip: NC, 27518		Compliance Project: (Yes) A No																					
Phone: 201-555-3653 (Tel) 713-503-9346 (Tel)		PO #: 3006745																					
Email: hardik.patel@arcadis.com		WO #: 30194635																					
Project Name: 14489 - North East, MD		Project #: 41002408		Total Number of containers						Other:													
Site: Maryland		SSOW#																					
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)		Total Number of containers		Special Instructions/Note:							
MW-3A (071024)		07/10/24		1222		G		W		N		N		3									
MW-8 (071024)		07/10/24		1328		G		W		N		N		3									
MW-2A (071024)		07/10/24		1430		G		W		N		N		3									
MW-1A (071024)		07/10/24		1522		G		W		N		N		3									
MW-11 (071024)		07/10/24		1556		G		W		N		N		3									
MW-10 (071024)		07/10/24		1640		G		W		N		N		2									
MW-5A (071024)		07/10/24		1740		G		W		N		N		3									
TRIP BLANK										N		N											
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										☐ 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: Lauren Donati/Arcadis				Date/Time: 07/10/24 1230				Company: Arcadis				Received by:				Date/Time:				Company:			
Relinquished by:				Date/Time:				Company:				Received by:				Date/Time:				Company:			
Relinquished by:				Date/Time:				Company:				Received by: MMR				Date/Time: 7/11/24 0945				Company: MMR			
Custody Seals Intact: ☒ Yes ☐ No				Custody Seal No:				Cooler Temperature(s) and Other Remarks: 12-3.5 C: 3.5															

Login Sample Receipt Checklist

Client: Arcadis U.S., Inc.

Job Number: 410-179472-1

Login Number: 179472

List Number: 1

Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container 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.	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

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