Transmittal Letter

TO
Ms. Lindley Campbell, Geologist
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Land and Materials Administration
Maryland Department of the Environment
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FROM
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COPIES TO
File
ExxonMobil E&PS – Regan O'Brien

DATE
August 11, 2022

PROJECT NUMBER
30067154

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

We are sending you:

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ExxonMobil Environmental and Property Solutions Company

1ST SEMI-ANNUAL GROUNDWATER MONITORING REPORT – 2022

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

August 2022

1ST SEMI-ANNAUL GROUNDWATER MONITORING REPORT - 2022

Katie Pupkiewicz

Task Manager

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Project Manager

Prepared for:

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Our Ref.:

30067154

Date:

August 11, 2022

1st Semi-Annual Groundwater Monitoring Report – 2022
Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Cecil County, Maryland

Regulatory Information

Regulatory Agency:	Oil Control Program
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:	July 1, 2021 through December 31, 2021
Last Report:	1st Semi-Annual Groundwater Monitoring Report - 2021, August 31, 2021

General Site Information

ExxonMobil Contact:	Ms. Regan O'Brien
Consultant Contact:	Mr. Kelley Sharpe
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

June 16, 2022:	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:	2.25 feet (MW-3A) / 6.33 feet (MW-11)
Interpreted Groundwater Flow Direction:	South-Southwest

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EXECUTIVE SUMMARY

On behalf of ExxonMobil Environmental and Property Solutions Company (E&PS), Arcadis U.S., Inc. (Arcadis) personnel completed two, quarterly, potable well sampling events and 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 potable well and 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.

Residential Potable Well Sampling

Quarterly potable well sampling was conducted at the private water supply wells located at 259 Bayview Road (Broomall) and 261 Bayview Road (Murtaugh) on March 21 and June 16, 2022. Dissolved-phase methyl tertiary butyl ether (MTBE) was the only chemical of concern (COC) detected in concentrations exceeding the applicable Maryland Environmental Assessment Technology (MEAT) Standards for Leaking Underground Storage Tanks (LUSTs) as indicated below:

- Dissolved-phase concentration of MTBE was detected exceeding the applicable MEAT Groundwater Standard (20 micrograms per liter [µg/L]) in 259 Bayview Road influent stream on March 21, 2022 (46 µg/L) and June 16, 2022 (50 µg/L).
- Dissolved-phase concentration of MTBE was detected exceeding the applicable MEAT Groundwater Standard (20 µg/L) in 261 Bayview Road influent stream on March 21, 2022 (21 µg/L).

Semi-Annual On-Site Sampling

On June 16, 2022, 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 June 16, 2022, to determine depth to bottom (DTB), depth to water (DTW), and depth to product (DTP), if present. DTW ranged from 2.25 feet below top of well casing (btoc) in groundwater monitoring well MW-3A to 6.33 feet btoc in groundwater monitoring well MW-11. Groundwater was observed to flow towards the south which is consistent with historical observed groundwater flow direction. Free product was not detected in any groundwater monitoring wells during the June 16, 2022, 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 June 16, 2022. The maximum dissolved-phase concentrations of selected COCs detected during the June 2022 groundwater sampling event are summarized below:

Maximum Groundwater Concentrations (June 2022)

Chemical of Concern	Well ID	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
Benzene	MW-2A	**24**	5.0
Toluene	MW-1A	180	1,000
Ethylbenzene	MW-2A	**1,300**	700
Xylenes (total)	MW-2A	1,300	10,000
MTBE	MW-2A	5.9	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
Naphthalene	MW-2A	**310**	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 June 16, 2022. Overall concentrations of dissolved-phase COCs at the Site are consistent with the previous groundwater monitoring and sampling events.

The next semi-annual groundwater monitoring and sampling event for the Site is scheduled for the fourth quarter of 2022. Groundwater monitoring wells associated with the Site will be gauged to check for free product and to determine the potentiometric surface at the Site. Groundwater samples will be collected from groundwater monitoring wells MW-1A, MW-2A, MW-3A, MW-5A, MW-8, MW-10, and MW-11. Groundwater samples will be analyzed for Volatile Organic Compounds (VOCs), including fuel oxygenates and naphthalene, by Standard Method (SM) 8260C.

The next quarterly private water supply well sampling events will be conducted during the third and fourth quarters of 2022 and will be reported on under separate cover. Potable well samples will be collected from the Influent, Midfluent, and Effluent streams of the granular activated carbon (GAC) Point-of-Entry Treatment (POET) systems located at 259 Bayview Road and 261 Bayview Road and analyzed for VOCs, including fuel oxygenates and naphthalene, by United States Environmental Protection Agency (USEPA) Method 524.2.

A Semi-Annual Groundwater Monitoring Report documenting the findings of the quarterly private water supply well sampling events and the semi-annual groundwater monitoring and sampling event will be submitted to the MDE for review and approval following receipt of the corresponding laboratory analytical report.

1.0 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.

2.0 CURRENT SITE ASSESSMENT ACTIVITIES

2.1 POTABLE WELL SAMPLING

On March 21, 2022, and June 16, 2022, Arcadis personnel completed quarterly potable well sampling events of the private water supply wells located at 259 Bayview Road (Broomall) and 261 Bayview Road (Murtaugh). Samples were collected from the Influent, Midfluent, and Effluent of the point of entry treatment (POET) system at 259 Old Bayview Road and at 261 Old Bayview Road.

The detections of dissolved-phase chemicals of concern (COCs) detected during the March 2022 and June 2022 potable well sampling events are summarized in the table below.

Detected Potable Well Concentrations (March and June 2022 respectively)

Chemical of Concern	Water Supply Well ID	Sample Location	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
methyl tert butyl ether (MTBE)	259 Bayview Road	Influent	**46, 50**	20
	261 Bayview Road	Influent	**21**, 20	
tert-Butyl alcohol (TBA)	259 Bayview Road	Influent	65, 67	NE
		Midfluent	53, 72	
		Effluent	<25, 34	
	261 Bayview Road	Influent	35, 33	
		Midfluent	35, 39	
		Effluent	32, 41	

Notes:

Bolded concentrations exceed the applicable MEAT LUST Groundwater Standard.

µg/L = micrograms per liter

NE = Not Established

Dissolved-phase MTBE was the only COC detected in concentrations exceeding the applicable Maryland Environmental Assessment Technology (MEAT) Standards for Leaking Underground Storage Tanks (LUSTs) in March and June 2022 in potable well samples collected from the influent stream of the POET system located at 259 Bayview Road and 261 Bayview Road.

Copies of the first and second quarter's property owner letter correspondence are presented in **Appendix A** and **Appendix B**, respectively. Current and historical potable well analytical data is included in **Table 1**.

2.2 GROUNDWATER MONITORING ACTIVITIES

On June 16, 2022, 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 June 16, 2022. 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 June 16, 2022, ranged from 2.25 below top of casing (btoc) in groundwater monitoring well MW-3A to 6.33 feet btoc in groundwater monitoring well MW-11. Groundwater flow was observed to be towards the south and is consistent with historical observed groundwater flow. Historical groundwater elevations are summarized in **Table 2**. A shallow groundwater potentiometric surface map is presented as **Figure 3**.

2.3 GROUNDWATER SAMPLING ACTIVITIES

On June 16, 2022, 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 3**.

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 C**.

2.4 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 (9.6 µg/L) and MW-2A (24 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 (1,300 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 (120 µg/L), MW-2A (310 µg/L), MW-5A (130 µg/L), and MW-11 (0.91 µg/L).

Current and historical groundwater sampling data is presented in **Table 2**. A groundwater analytical map is included as **Figure 4**. The groundwater laboratory analytical report and chain-of-custody record is included in **Appendix C**.

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

Maximum Groundwater Concentrations (June 16, 2022)

Chemical of Concern	Well ID	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
Benzene	MW-2A	**24**	5.0
Toluene	MW-1A	180	1,000
Ethylbenzene	MW-2A	**1,300**	700
Xylenes (total)	MW-2A	1,300	10,000
MTBE	MW-2A	5.9	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
Naphthalene	MW-2A	**310**	0.7

Notes:

Bolded concentrations exceed the applicable MEAT LUST Groundwater Standard.

µg/L = micrograms per liter

NE = Not Established

2.5 WATER LINE CONNECTION

Arcadis is coordinating a municipal water line connection for both the 259 Old Bayview Road and 261 Old Bayview Road properties. The Town of North East has approved the Developer Expense Agreements for each property and the payment of the major facility and development fees required by the Town of North East have also been processed. Arcadis will continue to coordinate with the homeowners and Town of North East to complete the water line connection activities.

Arcadis and ExxonMobil have been working over the last reporting period to determine a revised location for the waterline that will eliminate usage of the of the access road connecting Old Bayview Road to the two properties . ExxonMobil will begin to work on an easement and access agreements with the current owner(s) of the revised location before installing the water line. Once both properties are connected to the municipal water supply, the private water supply wells located at both properties will be abandoned by a Maryland licensed well driller.

3.0 CONCLUSIONS

Potable well samples returned detections of dissolved-phase MTBE in concentrations exceeding the applicable MEAT Standard in samples collected from the influent stream of the POET systems located at 259 Bayview Road and 261 Bayview Road. The property owners of 259 and 261 Old Bayview Road were notified of the quarterly potable well sampling results in letter correspondence dated May 2022 and July 2022 (**Appendices A** and **B**).

Free product was not detected in any of the groundwater monitoring wells gauged on June 16, 2022. The sampling data collected on June 16, 2022, 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.

Arcadis and ExxonMobil have been working over the last reporting period to determine a revised location for the waterline that will eliminate usage of the of the access road connecting Old Bayview Road to the two properties . ExxonMobil will begin to work on an easement and access agreements with the current owner(s) of the revised location before installing the water line. Once both properties are connected to the municipal water supply, the private water supply wells located at both properties will be abandoned by a Maryland licensed well driller.

The next semi-annual groundwater monitoring and sampling event for the Site is scheduled for the fourth quarter of 2022 and will be reported on separately. Groundwater monitoring wells associated with the Site will be gauged to check for free product and to determine the potentiometric surface at the Site. Groundwater samples will be collected from groundwater monitoring wells MW-1A, MW-2A, MW-3A, MW-5A, MW-8, MW-10, and MW-11. Groundwater samples will be analyzed for VOCs, including fuel oxygenates and naphthalene, by SM 8260C.

The next quarterly private water supply well sampling events are planned for September and December 2022. Potable well samples will be collected from the Influent, Midfluent, and Effluent streams of the

GAC POET systems located at 259 Bayview Road and 261 Bayview Road and analyzed for VOCs, including fuel oxygenates and naphthalene, by USEPA Method 524.2.

A Semi-Annual Groundwater Monitoring Report documenting the findings of the quarterly private water supply well sampling events and the 2H 2022 semi-annual groundwater monitoring and sampling event will be submitted to the MDE under separate cover.

References

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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 http://www.epa.gov/waste/hazard/correctiveaction/resources/guidance/sitechar/gwstats/unified-guid-toc.pdf.

TABLES

Table 1
Potable Water Monitoring and Analytical Data

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

Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
215 Bayview Road	4/9/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.19 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/19/2019	<0.5	<0.5	<0.5	<1.0	BRL	0.1 J	<25	<0.5	<0.5	<0.5	<0.5	<5.0	NA
223 Bayview Road	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.19	<5	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.29 J	<5	NA	NA	NA	<0.5	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.32 J	<5	NA	NA	NA	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/9/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.18 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/9/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/19/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<25	<0.5	<0.5	<0.5	<0.5	<5.0	NA
237 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<1.0	BRL	0.11 J	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<1.0	BRL	0.11 J	<5	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/9/2008	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/19/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<25	<0.5	<0.5	<0.5	<0.5	<5.0	NA
243 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<1.0	BRL	0.18 J	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<1.0	BRL	0.18 J	<5	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/9/2008	<0.5	<0.5	<0.5	<1.0	BRL	0.070 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
246 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<1.0	BRL	0.1	<5	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/9/2008	<0.5	<0.5	<0.5	<1.0	BRL	0.16 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<1.0	BRL	0.13 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/19/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<25	<0.5	<0.5	<0.5	<0.5	<5.0	NA
256 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<1.0	BRL	1.00	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<1.0	BRL	0.8	<5	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<1.0	BRL	0.67	<5	NA	NA	NA	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<1.0	BRL	0.76	<5	NA	NA	NA	<0.5	NA	NA
	9/19/2019	<0.5	<0.5	<0.5	<1.0	BRL	0.1 J	<25	<0.5	<0.5	<0.5	<0.5	<5.0	NA
259 Bayview Road	3/30/2005	0.1	0.081	<0.5	<1.0	0.2	15.5	41	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<1.0	BRL	**21.1**	68.1	NA	NA	NA	NA	NA	NA
	8/29/2005	0.18 J	0.30 J	<0.5	<1.0	0.63 J	16.8	52.8	NA	NA	NA	<0.5	NA	NA
	9/26/2005	0.083	<0.5	<0.5	<1.0	0.296	16.4	44.3	NA	NA	NA	NA	NA	NA
	10/25/2005	<0.5	<0.5	<0.5	<1.0	BRL	19.3	38.6	NA	NA	NA	NA	NA	NA
	11/14/2005	<0.5	<0.5	<0.5	<1.0	BRL	5.9	16.7	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<1.0	BRL	19.8	50.0	NA	NA	NA	NA	NA	NA
	1/20/2006	<0.5	<0.5	<0.5	<1.0	BRL	13.3	44.3	NA	NA	NA	<0.5	NA	NA
	3/3/2006	0.096 J	<0.5	<0.5	<1.0	0.096 J	16.9	53.6	NA	NA	NA	<0.5	NA	NA
	4/3/2006	<0.5	<0.5	<0.5	<1.0	BRL	17.6	65.3	NA	NA	NA	<0.5	NA	NA
	5/15/2006	0.087 J	<0.5	<0.5	<1.0	0.087 J	20.0	58.9	NA	NA	NA	<0.5	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<1.0	BRL	18.4	64.5	NA	NA	NA	<0.5	NA	NA
	7/27/2006	0.083 J	<0.5	<0.5	<1.0	0.083 J	**22.1**	73.7	NA	NA	NA	<0.5	NA	NA
	8/29/2006	<0.5	<0.5	<0.5	<1.0	BRL	**23.7**	98.6	NA	NA	NA	<0.5	NA	NA
	9/26/2006	<0.5	<0.5	<0.5	<1.0	BRL	**25.7**	73.8	<0.5	<0.5	1.7	<0.5	NA	NA

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Table 1
Potable Water Monitoring and Analytical Data

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

Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
259 Bayview Road (cont.)	10/31/2006	<0.5	<0.5	<0.5	<1.0	BRL	**30.2**	93.0	<0.5	<0.5	1.5	<0.5	NA	NA
	11/30/2006	<0.5	<0.5	<0.5	<1.0	BRL	**30.9**	103	NA	NA	NA	<0.5	NA	NA
	12/19/2006	0.084 J	<0.5	<0.5	<1.0	0.084 J	**32.5**	121	<0.5	<0.5	2.0	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<1.0	BRL	**33.2**	128	NA	NA	NA	<0.5	NA	NA
	2/28/2007	<0.5	<0.5	<0.5	<1.0	BRL	**38.6**	133	NA	NA	NA	<0.5	NA	NA
	3/15/2007	0.096 J	<0.5	<0.5	<1.0	0.096 J	**33.1**	140	0.14 J	<0.5	1.6	<0.5	NA	NA
259 Bayview Road INF	3/23/2007	<0.5	<0.5	<0.5	<1.0	BRL	**32.2**	136	NA	NA	NA	<0.5	NA	NA
	4/17/2007	<0.5	<0.5	<0.5	<1.0	BRL	**29.9**	104	NA	NA	NA	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<1.0	BRL	**38.0**	145	NA	NA	NA	<0.5	NA	NA
	6/22/2007	<0.5	<0.5	<0.5	<1.0	BRL	**36.8**	133	NA	NA	NA	<0.5	NA	NA
	9/19/2007	<0.5	<0.5	<0.5	<1.0	BRL	**39.9**	158	NA	NA	NA	<0.5	NA	NA
	10/23/2007	0.081 J	<0.5	<0.5	<1.0	0.081 J	**39.3**	142	NA	NA	NA	<0.5	NA	NA
	11/29/2007	<0.5	<0.5	<0.5	<1.0	BRL	**37.6**	189	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<1.0	BRL	**35.0**	148	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<1.0	BRL	**37.9**	105	0.093 J	<0.5	1.4	<0.5	NA	NA
	9/23/2008	0.087 J	<0.5	<0.5	<1.0	0.087 J	**47.3**	149	0.082 J	<0.5	1.2	<0.5	NA	NA
	11/20/2008	<0.5	<0.5	<0.5	<1.0	BRL	**38.2**	131	0.11 J	<0.5	1.6	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<1.0	BRL	**35.8**	102	<0.5	<0.5	1.3	<0.5	NA	NA
	4/21/2009	0.079 J	<0.5	<0.5	<1.0	0.079 J	**44.6**	121	0.095 J	<0.5	1.5	<0.5	NA	NA
	7/31/2009	<0.5	<0.5	<0.5	<1.0	BRL	**34.5**	134	0.075 J	<0.5	1.2	<0.5	NA	NA
	10/13/2009	<0.5	<0.5	<0.5	<1.0	BRL	**35.6**	118	0.11 J	<0.5	1.3	<0.5	NA	NA
	1/13/2010	<0.5	<0.5	<0.5	<1.0	BRL	**50.9**	173	<0.5	<0.5	1.6	<0.5	NA	NA
	4/21/2010	<0.5	<0.5	<0.5	<1.0	BRL	**40.6**	105	0.19 J	<0.5	1.5	<0.5	NA	NA
	7/22/2010	0.083 J	<0.5	<0.5	<1.0	0.083 J	**40.3**	123	0.19 J	<0.5	1.4	<0.5	NA	NA
	11/23/2010	<0.5	<0.5	<0.5	<1.0	BRL	**39.6**	91	0.12 J	<0.5	1.2	<0.5	NA	NA
	3/1/2011	<0.5	<0.5	<0.5	<1.0	BRL	**43.6**	59.9	1.58	<0.5	<0.5	<5	NA	NA
	5/19/2011	<0.5	<0.5	<0.5	<1.0	BRL	**44.8**	86.2	<0.5	<0.5	1.63	<5	NA	NA
	7/12/2011	<1	<1	<1	<1.0	BRL	**43.2**	114	<1	<1	1.85	<5	NA	NA
	10/24/2011	<1	<1	<1	<1.0	BRL	**42.6**	99.3	1.49	<1	<1	<5	NA	NA
	2/8/2012	<1	<1	<1	<1.0	BRL	**39.2**	90.1	1.12	<1	<1	<5	NA	NA
	5/23/2012	<0.5	<0.5	<0.5	<1.0	BRL	**45.4**	65.2	<0.5	<0.5	1.68	<5	NA	NA
	8/14/2012	<1	<1	<1	<1.0	BRL	**36**	51.6	<1	<1	<2	<5	NA	NA
	10/4/2012	<0.5	<0.5	<0.5	<1.0	BRL	**47.9**	70.5	1.38	<0.5	<0.5	<5	NA	NA
	2/22/2013	<0.5	<0.5	<0.5	<1.0	BRL	**47.7**	64.8	1.3	<0.5	<0.5	<5	NA	NA
	5/1/2013	<0.5	<0.5	<0.5	<1.0	BRL	**49**	134	<0.5	<0.5	1.32	<5	NA	NA
	8/6/2013	<0.5	<0.5	<0.5	<1.0	BRL	**51.8**	154	<0.5	<0.5	1.49	<5	NA	NA
	10/3/2013	<0.5	<0.5	<0.5	<1.0	BRL	**38.4**	90.6	<0.5	<0.5	1.36	<5	NA	NA
	3/6/2014	<0.5	<0.5	<0.5	<1.0	BRL	**48**	117	<0.5	<0.5	1.3	<5	NA	NA
	6/12/2014	<0.5	<0.5	<0.5	<1.0	BRL	**52.7**	155	<0.5	<0.5	1.63	<5	NA	NA
	9/19/2014	<0.5	<0.5	<0.5	<1.0	BRL	**54.1**	138	<0.5	<0.5	1.45	<5	NA	NA
	11/13/2014	<0.5	<0.5	<0.5	<1.0	BRL	**47.9**	109	<0.5	<0.5	1.20	<5	NA	NA
	3/25/2015	<0.5	<0.5	<0.5	<1.0	BRL	**51.0**	187	<0.5	<0.5	1.41	<5	NA	NA
	6/25/2015	<0.5	<0.5	<0.5	<1.0	BRL	**59.3**	135	<0.5	<0.5	1.49	<5	NA	NA
	7/29/2015	<0.5	<0.5	<0.5	<1.0	BRL	**43.7**	101	<0.5	<0.5	1.15	<5	NA	NA
	10/29/2015	<0.5	<0.5	<0.5	<1.0	BRL	**75.9**	225	<0.5	<0.5	1.65	<5	NA	NA

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Table 1
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Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Maryland

Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
259 Bayview Road INF (cont.)	2/11/2016	<0.5	<0.5	<0.5	<1.0	BRL	**54.2**	185	<0.5	<0.5	1.51	<5	NA	NA
	5/10/2016	<0.5	<0.5	<0.5	<1.0	BRL	**70.9**	143	<0.5	<0.5	1.43	<5	NA	NA
	8/16/2016	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	11/8/2016	<0.5	<0.5	<0.5	<1.0	BRL	12.7	35.2	<0.5	<0.5	0.538	<5	NA	NA
	2/9/2017	<0.5	<0.5	<0.5	<1.0	BRL	**48.6**	116	<0.5	<0.5	1.40	<5	NA	NA
	5/1/2017	<0.5	<0.5	<0.5	<1.0	BRL	**55.3**	142	<0.5	<0.5	1.40	<5	NA	NA
	8/8/2017	<0.5	<0.5	<0.5	<1.0	BRL	**47.7**	90.4	<0.5	<0.5	1.10	<5	NA	NA
	10/5/2017	<0.5	<0.5	<0.5	<1.0	BRL	**51.0**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/21/2018	<0.5	<0.5	<0.5	<1.0	BRL	**47**	100	<3.0	<3.0	1.2	<0.5	<5.0	<7.0
	5/29/2018	<0.5	<0.5	<0.5	<1.0	BRL	**51**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/27/2018	<0.5	<0.5	<0.5	<1.0	BRL	**24**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	10/23/2018	<0.5	<0.5	<0.5	<1.0	BRL	**55**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<1.0	BRL	**49**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<1.0	BRL	**51**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1.0	BRL	**43**	75	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1.0	BRL	**46**	87	NA	NA	NA	<0.5	<5.0	<7.0
	3/5/2020	<0.5	<0.5	<0.5	<1.0	BRL	**46**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
	9/22/2020	<0.50	<0.50	<0.50	<1.0	BRL	**46**	70	NA	NA	NA	<0.50	<5.0	<7.0
	11/24/2020	<0.50	<0.50	<0.50	<1.0	BRL	**44**	89	NA	NA	NA	<0.50	<5.0	<7.0
	3/5/2021	<0.50	<0.50	<0.50	<1.0	BRL	**42**	57	NA	NA	NA	<0.50	<5.0	<7.0
	6/22/2021	<0.50	<0.50	<0.50	<1.0	BRL	**53**	65	NA	NA	NA	<0.50	<5.0	<7.0
	9/21/2021	<0.50	<0.50	<0.50	<1.0	BRL	**43**	66	NA	NA	NA	<0.50	<5.0	<7.0
	12/13/2021	<0.50	<0.50	<0.50	<1.0	BRL	**48**	59	NA	NA	NA	<0.50	<5.0	<7.0
	3/21/2022	<0.50	<0.50	<0.50	<1.0	BRL	**46**	65	NA	NA	NA	<0.50	<5.0	<7.0
	6/16/2022	<0.50	<0.50	<0.50	<1.0	BRL	**50**	67	NA	NA	NA	<0.50	<5.0	<7.0
259 Bayview Road MID	3/23/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/17/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/22/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	9/19/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	56.3	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	85.5	NA	NA	NA	<0.5	NA	NA
	11/29/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	156	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<1.0	BRL	0.089 J	3.7 J	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<1.0	BRL	10.0	81.4	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<1.0	BRL	0.49 J	119	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/20/2008	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	4.3 J	<0.5	<0.5	<0.5	<0.5	NA	NA
	7/31/2009	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	93.3	<0.5	<0.5	<0.5	<0.5	NA	NA
	10/13/2009	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	1/13/2010	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	58.3	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2010	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	20.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	7/22/2010	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/23/2010	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	101	<0.5	<0.5	<0.5	<0.5	NA	NA
	3/1/2011	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	5/19/2011	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	7/12/2011	<1	<1	<1	<1.0	BRL	<1	<20	<1	<1	<1	<5	NA	NA
	10/24/2011	<1	<1	<1	<1.0	BRL	<1	63.4	<1	<1	<1	<5	NA	NA
	2/8/2012	<1	<1	<1	<1.0	BRL	<1	<10	<1	<1	<1	<5	NA	NA
	5/23/2012	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	8/14/2012	<1	<1	<1	<1.0	BRL	<1	<10	<1	<1	<2	<5	NA	NA
	10/4/2012	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	27.2	<0.5	<0.5	<0.5	<5	NA	NA
	2/22/2013	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	76.9	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2013	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA

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Table 1
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285 Old Bayview Road
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Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
259 Bayview Road MID (cont.)	8/6/2013	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	10/3/2013	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	3/6/2014	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	75.8	<0.5	<0.5	<0.5	<5	NA	NA
	6/12/2014	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	56.5	<0.5	<0.5	<0.5	<5	NA	NA
	9/19/2014	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	128	<0.5	<0.5	<0.5	<5	NA	NA
	11/13/2014	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	3/25/2015	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	6/25/2015	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	7/29/2015	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	10/29/2015	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	25.0	<0.5	<0.5	<0.5	<5	NA	NA
	2/11/2016	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	78.2	<0.5	<0.5	<0.5	<5	NA	NA
	5/10/2016	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	107	<0.5	<0.5	<0.5	<5	NA	NA
	8/16/2016	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	11/8/2016	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	2/9/2017	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	37.1	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2017	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	8/8/2017	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	32.2	<0.5	<0.5	<0.5	<5	NA	NA
	10/5/2017	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/21/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	16	<3.0	<3.0	<0.5	<0.5	<5.0	<7.0
	5/29/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/27/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	10/23/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	100	NA	NA	NA	<0.5	<5.0	<7.0
	11/10/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.4	83	NA	NA	NA	<0.4	<5.1	<7.1
	3/5/2020	<0.5	<0.5	<0.5	<1.0	BRL	**41.0**	49	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
	9/22/2020	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	11/24/2020	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	34	NA	NA	NA	<0.50	<5.0	<7.0
	3/5/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	44	NA	NA	NA	<0.50	<5.0	<7.0
	6/22/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	70	NA	NA	NA	<0.50	<5.0	<7.0
	9/21/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	84	NA	NA	NA	<0.50	<5.0	<7.0
	12/13/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	57	NA	NA	NA	<0.50	<5.0	<7.0
	3/21/2022	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	53	NA	NA	NA	<0.50	<5.0	<7.0
	6/16/2022	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	72	NA	NA	NA	<0.50	<5.0	<7.0
259 Bayview Road EFF	3/23/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/17/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/22/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	9/19/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	4.7 J	NA	NA	NA	<0.5	NA	NA
	11/29/2007	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	22.4	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<1.0	BRL	0.22 J	4.8 J	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<1.0	BRL	0.18 J	100	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<1.0	BRL	0.15 J	111	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/20/2008	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	7/31/2009	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	10.4	<0.5	<0.5	<0.5	<0.5	NA	NA
	10/13/2009	<0.5	0.25 J	<0.5	<1.0	0.25 J	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	1/13/2010	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2010	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	7/22/2010	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/23/2010	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	16.1	<0.5	<0.5	<0.5	<0.5	NA	NA

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Table 1
Potable Water Monitoring and Analytical Data

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

Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
259 Bayview Road EFF (cont.)	3/1/2011	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	5/19/2011	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	7/12/2011	<1	<1	<1	<1.0	BRL	<1	<20	<1	<1	<1	<5	NA	NA
	10/24/2011	<1	<1	<1	<1.0	BRL	<1	<10	<1	<1	<1	<5	NA	NA
	2/8/2012	<1	<1	<1	<1.0	BRL	<1	<10	<1	<1	<1	<5	NA	NA
	5/23/2012	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	8/14/2012	<1	<1	<1	<1.0	BRL	<1	<10	<1	<1	<2	<5	NA	NA
	10/4/2012	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	2/22/2013	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	26.1	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2013	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	8/6/2013	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	10/3/2013	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	3/6/2014	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	6/12/2014	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	9/19/2014	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	18.5	<0.5	<0.5	<0.5	<5	NA	NA
	11/13/2014	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	3/25/2015	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	6/25/2015	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	7/29/2015	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	10/29/2015	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	2/11/2016	<0.5	<0.5	<0.6	<1.0	BRL	<0.6	<11	<0.5	<0.5	<0.5	<6	NA	NA
	5/10/2016	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	8/16/2016	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	11/8/2016	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	2/9/2017	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2017	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	8/8/2017	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<0.5	<0.5	<0.5	<0.5	<5	NA	NA
	10/5/2017	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/21/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<0.5	<3.0	<3.0	<0.5	<0.5	<5.0	<7.0
	5/29/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/27/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	10/23/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	3/5/2020	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	69	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
	9/22/2020	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	11/24/2020	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	3/5/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	6/22/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	9/21/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	12/13/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	3/21/2022	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	6/16/2022	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	34	NA	NA	NA	<0.50	<5.0	<7.0
261 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<1.0	BRL	1.1	<5	NA	NA	NA	NA	NA	NA
	9/26/2005	<0.5	<0.5	<0.5	<1.0	BRL	1.2	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<1.0	BRL	1.7	2.6	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<1.0	BRL	1.6	2.8 J	NA	NA	NA	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<1.0	BRL	2.6	6.4	NA	NA	NA	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<1.0	BRL	4.6	16.3	<0.5	<0.5	<0.5	<0.5	NA	NA
	12/9/2008	<0.5	<0.5	<0.5	<1.0	BRL	5.0	18.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<1.0	BRL	4.0	12.4	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<1.0	BRL	5.1	16.0	<0.5	<0.5	<0.5	<0.5	NA	NA

See Notes on Page 10.

Table 1
Potable Water Monitoring and Analytical Data

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

Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
261 Bayview Road (cont.)	7/31/2009	<0.5	<0.5	<0.5	<1.0	BRL	5.9	17.1	<0.5	<0.5	0.34 J	<0.5	NA	NA
	10/13/2009	<0.5	<0.5	<0.5	<1.0	BRL	5.2	18.3	<0.5	<0.5	0.22 J	<0.5	NA	NA
	1/13/2010	<0.5	<0.5	<0.5	<1.0	BRL	6.7	21.8	<0.5	<0.5	0.31 J	<0.5	NA	NA
	4/21/2010	<0.5	<0.5	<0.5	<1.0	BRL	6.4	16.0	<0.5	<0.5	0.34 J	<0.5	NA	NA
	7/22/2010	<0.5	<0.5	<0.5	<1.0	BRL	7.0	21.3	<0.5	<0.5	0.30 J	<0.5	NA	NA
	11/23/2010	<0.5	<0.5	<0.5	<1.0	BRL	6.4	19.4	<0.5	<0.5	0.25 J	<0.5	NA	NA
	3/1/2011	<0.5	<0.5	<0.5	<1.0	BRL	7.2	11.6	<0.5	<0.5	<0.5	<5	NA	NA
	5/19/2011	<0.5	<0.5	<0.5	<1.0	BRL	6.8	15.0	<0.5	<0.5	<0.5	<5	NA	NA
	7/12/2011	<1	<1	<1	<1.0	BRL	7.41	<20	<1	<1	<1	<5	NA	NA
	10/24/2011	<1	<1	<1	<1.0	BRL	8.85	<10	<1	<1	<1	<5	NA	NA
	2/8/2012	<1	<1	<1	<1.0	BRL	6.03	<10	<1	<1	<1	<5	NA	NA
	5/23/2012	<0.5	<0.5	<0.5	<1.0	BRL	10.2	21.6	<0.5	<0.5	<0.5	<5	NA	NA
	8/14/2012	<1	<1	<1	<1.0	BRL	8.03	23.1	<1	<1	<1	<5	NA	NA
	10/4/2012	<0.5	<0.5	<0.5	<1.0	BRL	8.71	14.5	<0.5	<0.5	<0.5	<5	NA	NA
	2/22/2013	<0.5	<0.5	<0.5	<1.0	BRL	10.1	28.6	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2013	<0.5	<0.5	<0.5	<1.0	BRL	7.81	29.5	<0.5	<0.5	<0.5	<5	NA	NA
	8/6/2013	<0.5	<0.5	<0.5	<1.0	BRL	9.01	51	<0.5	<0.5	<0.5	<5	NA	NA
	10/3/2013	<0.5	<0.5	<0.5	<1.0	BRL	7.30	15.5	<0.5	<0.5	<0.5	<5	NA	NA
	3/6/2014	NS	NS	NS	<1.0	NS	NS	NS	NS	NS	NS	NS	NA	NA
	6/12/2014	<0.5	<0.5	<0.5	<1.0	BRL	8.24	19.4	<0.5	<0.5	<0.5	<5	NA	NA
	9/19/2014	<0.5	<0.5	<0.5	<1.0	BRL	10.7	31.3	<0.5	<0.5	<0.5	<5	NA	NA
	11/13/2014	<0.5	<0.5	<0.5	<1.0	BRL	9.09	23.8	<0.5	<0.5	<0.5	<5	NA	NA
	3/25/2015	<0.5	<0.5	<0.5	<1.0	BRL	10.1	36.0	<0.5	<0.5	<0.5	<5	NA	NA
	6/25/2015	<0.5	<0.5	<0.5	<1.0	BRL	9.79	29.6	<0.5	<0.5	<0.5	<5	NA	NA
	7/29/2015	<0.5	<0.5	<0.5	<1.0	BRL	8.38	14.5	<0.5	<0.5	<0.5	<5	NA	NA
	10/29/2015	<0.5	<0.5	<0.5	<1.0	BRL	13.6	36.6	<0.5	<0.5	<0.5	<5	NA	NA
	2/11/2016	<0.5	<0.5	<0.5	<1.0	BRL	9.73	33.4	<0.5	<0.5	<0.5	<5	NA	NA
	5/10/2016	<0.5	<0.5	<0.5	<1.0	BRL	13.6	32.5	<0.5	<0.5	<0.5	<5	NA	NA
	8/16/2016	<0.5	<0.5	<0.5	<1.0	BRL	12.4	19.2	<0.5	<0.5	<0.5	<5	NA	NA
	11/8/2016	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	51.7	<0.5	<0.5	<0.5	<5	NA	NA
	2/9/2017	<0.5	<0.5	<0.5	<1.0	BRL	14.2	37.8	<0.5	<0.5	0.561	<5	NA	NA
	5/1/2017	<0.5	<0.5	<0.5	<1.0	BRL	16.5	51.5	<0.5	<0.5	<0.5	<5	NA	NA
	8/8/2017	<0.5	<0.5	<0.5	<1.0	BRL	12.6	31.7	<0.5	<0.5	<0.5	<5	NA	NA
	10/5/2017	<0.5	<0.5	<0.5	<1.0	BRL	17	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/21/2018	<0.5	<0.5	<0.5	<1.0	BRL	17	34	<3.0	<3.0	0.5	<0.5	<5.0	<7.0
	5/29/2018	<0.5	<0.5	<0.5	<1.0	BRL	19	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/27/2018	<0.5	<0.5	<0.5	<1.0	BRL	15	NA	NA	NA	NA	<0.5	<5.0	<7.0
	10/23/2018	<0.5	<0.5	<0.5	<1.0	BRL	**22**	NA	NA	NA	NA	<0.5	<5.0	<7.0
261 Bayview Road INF	11/28/2018	<0.5	<0.5	<0.5	<1.0	BRL	**22**	NA	NA	NA	NA	<0.5	2,000	2,800
	12/28/2018	<0.5	<0.5	<0.5	<1.0	BRL	19	NA	NA	NA	NA	<0.5	<5.0	<7.0
	1/25/2019	<0.5	<0.5	<0.5	<1.0	BRL	18	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<1.0	BRL	**21**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	3/18/2019	<0.5	<0.5	<0.5	<1.0	BRL	**24**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<1.0	BRL	**27**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1.0	BRL	20	48	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1.0	BRL	**21**	46	NA	NA	NA	<0.5	<5.0	<7.0
	3/16/2020	<0.5	<0.5	<0.5	<1.0	BRL	14	38	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1.0	BRL	17	39	NA	NA	NA	<0.5	<5.0	<7.0
	9/22/2020	<0.50	<0.50	<0.50	<1.0	BRL	16	38	NA	NA	NA	<0.50	<5.0	<7.0
	11/24/2020	<0.50	<0.50	<0.50	<1.0	BRL	15	42	NA	NA	NA	<0.50	<5.0	<7.0
	3/5/2021	<0.50	<0.50	<0.50	<1.0	BRL	**21**	37	NA	NA	NA	<0.50	<5.0	<7.0
	6/22/2021	<0.50	<0.50	<0.50	<1.0	BRL	**22**	29	NA	NA	NA	<0.50	<5.0	<7.0
	9/21/2021	<0.50	<0.50	<0.50	<1.0	BRL	17	38	NA	NA	NA	<0.50	<5.0	<7.0
	12/13/2021	<0.50	<0.50	<0.50	<1.0	BRL	**22**	38	NA	NA	NA	<0.50	<5.0	<7.0
	3/21/2022	<0.50	<0.50	<0.50	<1.0	BRL	**21**	35	NA	NA	NA	<0.50	<5.0	<7.0
	6/16/2022	<0.50	<0.50	<0.50	<1.0	BRL	20	33	NA	NA	NA	<0.50	<5.0	<7.0

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Table 1
Potable Water Monitoring and Analytical Data

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

Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
261 Bayview Road MID	11/28/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	310	380
	12/28/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	1/25/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	3/18/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	56	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	51	NA	NA	NA	<0.5	<5.0	<7.0
	3/16/2020	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
	9/22/2020	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	32	NA	NA	NA	<0.50	<5.0	<7.0
	11/24/2020	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	39	NA	NA	NA	<0.50	<5.0	<7.0
	3/5/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	30	NA	NA	NA	<0.50	<5.0	<7.0
	6/22/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	33	NA	NA	NA	<0.50	<5.0	<7.0
	9/21/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	48	NA	NA	NA	<0.50	<5.0	<7.0
	12/13/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	35	NA	NA	NA	<0.50	<5.0	<7.0
	3/21/2022	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	35	NA	NA	NA	<0.50	<5.0	<7.0
	6/16/2022	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	39	NA	NA	NA	<0.50	<5.0	<7.0
261 Bayview Road EFF	11/28/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	1,800	2,700
	12/28/2018	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	1/25/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	19
	3/18/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	50	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	51	NA	NA	NA	<0.5	<5.0	<7.0
	3/16/2020	<0.5	<0.5	<0.5	<1.0	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
	9/22/2020	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	11/24/2020	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	30	NA	NA	NA	<0.50	<5.0	<7.0
	3/5/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<25	NA	NA	NA	<0.50	<5.0	<7.0
	6/22/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	31	NA	NA	NA	<0.50	<5.0	<7.0
	9/21/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	44	NA	NA	NA	<0.50	<5.0	<7.0
	12/13/2021	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	32	NA	NA	NA	<0.50	<5.0	<7.0
	3/21/2022	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	32	NA	NA	NA	<0.50	<5.0	<7.0
	6/16/2022	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	41	NA	NA	NA	<0.50	<5.0	<7.0
265 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<1.0	BRL	0.57	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<1.0	BRL	0.47	<5	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<1.0	BRL	0.57	<5	NA	NA	NA	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<1.0	BRL	0.35 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/19/2019	<0.5	<0.5	<0.5	<1.0	BRL	0.1 J	<25	<0.5	<0.5	<0.5	<0.5	<5.0	NA
280 Bayview Road INF	3/30/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.27 J	<5	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	ND	<5	NA	NA	NA	NA	NA	NA
	9/26/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.32 J	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.19 J	<5	NA	NA	NA	<0.5	NA	NA
	3/27/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.22 J	<5	NA	NA	NA	<0.5	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.36 J	<5	NA	NA	NA	<0.5	NA	NA
	10/31/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.24 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	12/19/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.24 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	3/15/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.23 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.17 J	<5	NA	NA	NA	<0.5	NA	NA
	7/27/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.15 J	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.15 J	<5	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.15 J	<5	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.18 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.13 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/20/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.14 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	0.052 J	<0.5	<0.5	0.052 J	0.14 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
280 Bayview Road MID	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	7/27/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.090 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/20/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA

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Table 1
Potable Water Monitoring and Analytical Data

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

Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
280 Bayview Road MID (cont.)	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<0.5	BRL	0.10 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
280 Bayview Road EFF	3/30/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	ND	<5	NA	NA	NA	NA	NA	NA
	9/26/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.34 J	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	3/27/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/31/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	12/19/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	3/15/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	7/27/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/20/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
281 Bayview Road INF	3/30/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.5	<5	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	ND	<5	NA	NA	NA	NA	NA	NA
	9/26/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.64	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.76	<5	NA	NA	NA	<0.5	NA	NA
	4/3/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.57	<5	NA	NA	NA	<0.5	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.36 J	<5	NA	NA	NA	<0.5	NA	NA
	10/31/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.24 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	12/19/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.74	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	3/15/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.69	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.67	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.70	<5	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.66	<5	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.70	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/18/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.66	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	0.75	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<0.5	BRL	0.73	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
281 Bayview Road MID	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.22 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/18/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA

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Table 1
Potable Water Monitoring and Analytical Data

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

Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
281 Bayview Road EFF	3/30/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	9/26/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/3/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/31/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	12/19/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	3/15/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/18/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
285 Bayview Road INF	3/30/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.66	<5	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.53	<5	NA	NA	NA	NA	NA	NA
	9/26/2005	1.4	<0.5	<0.5	<0.5	1.4	1.0	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.80	<5	NA	NA	NA	<0.5	NA	NA
	3/27/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.36 J	<5	NA	NA	NA	<0.5	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.72	<5	NA	NA	NA	<0.5	NA	NA
	10/31/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.71	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	12/19/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.27 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	3/15/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.71	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/18/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
285 Bayview Road MID	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.11 J	<5	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.17 J	<5	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.26 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/18/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.20 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	0.16 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/24/2009	<0.5	<0.5	<0.5	<0.5	BRL	0.19 J	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
285 Bayview Road EFF	3/30/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	9/26/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA

See Notes on Page 10.

Table 1
Potable Water Monitoring and Analytical Data

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

Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	TBA	TAME	ETBE	DIPE	Naphthalene	2-Butanone	Tetrahydrofuran
MEAT Groundwater Standard:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**	**--**	**--**
285 Bayview Road EFF (cont.)	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	3/27/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.31 J	<5	NA	NA	NA	<0.5	NA	NA
	10/31/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	12/19/2006	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	3/15/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/18/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA

Notes:
1. All concentrations are reported in micrograms per liter (µg/L).
2. Bold Concentrations exceed the MEAT Groundwater Standard.

Definitions:
--: No Standard exists
<: Not detected at or above the listed laboratory reporting limit
BRL: Below laboratory reporting limits
BTEX: Benzene, toluene, ethylbenzene, and total xylenes
DIPE: Di-Isopropyl Ether
ETBE: Ethyl Tertiary Butyl Ether
J: Indicates an estimated value
MTBE: Methyl Tert Butyl Ether
NA: Not Analyzed
NM: Not Measured
NS: Not Sampled
TAME: Tertiary Amyl Methyl Ether
TBA: Tertiary Butyl Alcohol or t-Butyl alcohol

Table 2
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:						**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-1A	6/1/2005	97.65	5.23	ND	ND	92.42	**560**	**5,770**	**2,360**	8,970	17,660	**156**	<500	NA	NA	NA	NA
	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]	<2.5 [<2.5]	<50 [<50]	<2.5 [<2.5]	<2.5 [<2.5]	<2.5 [<2.5]	**68 [63]**
	6/16/2022	97.65	5.21	ND	ND	92.44	**9.6 [8.9]**	180 [220]	420 [430]	1,100 [1,200]	1,709.6 [1,858.9]	<2.5 [<2.5]	<50 [<50]	<2.5 [<2.5]	<2.5 [<2.5]	<2.5 [<2.5]	**120 [120]**

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Table 2
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:						**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-2A	6/1/2005	97.10	4.74	ND	ND	92.36	**1,740**	595	**2,590**	9,200	14,125	**829**	<500	NA	NA	NA	NA
	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**

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Table 2
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:						**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-3A	6/1/2005	96.99	2.71	ND	ND	94.28	**6.7**	18	31	108	163	19.8	<25	NA	NA	NA	NA
	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

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Table 2
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:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-4	6/1/2005	97.26	2.55	ND	ND	94.71	**6.9**	3.8	4.7	10.8	26.2	13.8	ND(25)	NA	NA	NA	NA
	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
	12/11/2007	97.26	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5A	6/1/2005	95.02	2.40	ND	ND	92.62	**132**	**1,360**	**1,670**	7,270	10,432	<10	<250	NA	NA	NA	NA
	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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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:						**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-5A (cont.)	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**
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 2
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:						**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-8 (cont.)	11/30/2017	97.04	2.80	ND	ND	94.24	<1.00	<1.00	<1.00	1	1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<4.00
	2/20/2018	97.04	2.22	ND	ND	94.82	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<10	<0.5	<0.5	<0.5	<0.5
	10/24/2018	97.04	2.78	ND	ND	94.26	<0.5	<0.5	0.5	0.6	1.10	<0.5	<10	<0.5	<0.5	<1.0	<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
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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Table 2
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:						**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-10 (cont.)	11/30/2017	93.35	4.75	ND	ND	88.60	<1.00	<1.00	<1.00	1	1.0	20	16	<1.00	<1.00	<1.00	<4.00
	2/20/2018	93.35	3.61	ND	ND	89.74	<0.5	<0.5	<0.5	0.7	0.7	2.3	<10	<0.5	<0.5	<0.5	<0.5
	10/24/2018	93.35	3.73	ND	ND	89.62	<0.5	<0.5	1.3	3.4	4.7	9.9	<10	<0.5	<0.5	<1.0	<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	0.6	1.5	2.1	4.4	<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
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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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:						**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-11 (cont.)	11/30/2017	96.64	8.78	ND	ND	87.86	<1.00	<1.00	14.0	6.0	20.0	1.0	<5.00	<1.00	<1.00	<1.00	<4.00
	2/20/2018	96.64	6.52	ND	ND	90.12	<0.5	<1.00	4.6	1.5	6.1	<0.5	<10	<0.5	<0.5	<0.5	**2.70**
	10/24/2018	96.64	6.65	ND	ND	89.99	<0.5	<0.5	2.7	0.7	3.4	<0.5	<10	<0.5	<0.5	<1.0	**1.70**
	2/21/2019	96.64	3.10	ND	ND	93.54	<0.5	<0.5	2.7	4.8	7.5	<0.5	<10	<0.5	<0.5	<1.0	**0.90**
	11/11/2019	96.64	9.44	ND	ND	87.20	<0.5	<0.5	2.3	1.7	4.0	0.8	<10	<0.5	<0.5	<1.0	**2.3**
	6/23/2020	96.64	5.39	ND	ND	91.25	<0.5	<0.5	2.4	2.2	4.6	<0.5	<10	<0.5	<0.5	<1.0	**0.84**
	11/24/2020	96.64	5.96	ND	ND	90.68	<0.50	<0.50	<0.50	<1.0	BRL	<0.50	<10	<0.50	<0.50	<0.50	<0.50
	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	1.7	1.1	2.8	<0.50	<10	<0.50	<0.50	<0.50	**1.2**
	6/16/2022	96.64	6.33	ND	ND	90.31	<0.50	<0.50	1.4	<1.0	1.4	<0.50	<10	<0.50	<0.50	<0.50	**0.91**
MW-12	6/1/2005	100.00	10.50	ND	ND	89.50	3.6	<2	<2	<2	3.6	**283**	<50	NA	NA	NA	NA
	12/7/2005	100.00	12.65	ND	ND	87.35	0.45 J	<1	0.72 J	1.3	2.5 J	**135**	<25	NA	NA	NA	NA
	5/24/2006	100.00	13.16	ND	ND	86.84	4.0	25.1	31.7	101	162	**198**	<50	NA	NA	NA	NA
	11/7/2006	100.00	8.19	ND	ND	91.81	1.2	7.6	26.9	75.0	110.7	**161**	<25	NA	NA	NA	NA
	6/21/2007	100.00	12.97	ND	ND	87.03	1.8	7.3	15.4	48.6	73.1	**224**	<25	NA	NA	NA	NA
	12/11/2007	100.00	15.78	ND	ND	84.22	<1	0.92 J	16.6	56.3	73.8 J	**25.7**	<25	NA	NA	NA	NA
	3/24/2008	100.00	7.98	ND	ND	92.02	0.84 J	0.38 J	1.3	4.1	6.6 J	**144**	11.2 J	NA	NA	NA	NA
	6/29/2008	100.00	12.35	ND	ND	87.65	0.85 J	<1	<1	<1	0.85 J	**153**	9.8 J	<5	<5	27.4	**1.4 J**
	8/14/2008	100.00	13.85	ND	ND	86.15	<1	<1	<1	<1	BRL	**126**	<25	<5	<5	21.6	<5
	11/20/2008	100.00	14.53	ND	ND	85.47	<1	<1	<1	<1	BRL	**56.0**	<25	<5	<5	<5	<5
	2/11/2009	100.00	9.07	ND	ND	90.93	0.31 J	<1	0.31 J	0.81 J	1.43 J	**114**	<25	<5	<5	14.3	**1.4 J**
	4/21/2009	100.00	8.62	ND	ND	91.38	<1	<1	<1	<1	BRL	**96.7**	13.2 J	<5	<5	16.6	<5
	7/31/2009	100.00	13.86	ND	ND	86.14	<1	1.5	0.61 J	1.6	3.7 J	**96.7**	<25	<5	<5	18.0	<5
	10/13/2009	100.00	10.90	ND	ND	89.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/27/2009	100.00	8.54	ND	ND	91.46	<1	<1	<1	<1	BRL	**38.8**	<25	<5	<5	4.9 J	<5
	1/12/2010	100.00	7.36	ND	ND	92.64	0.32 J	<1	<1	<1	0.32 J	**90.4**	<25	<5	<5	<5	<5
	4/21/2010	100.00	7.39	ND	ND	92.61	1.4	<1	0.86 J	0.64 J	2.9 J	**80.9**	9.5 J	<5	<5	13.2	**2.6 J**
	7/22/2010	100.00	15.90	ND	ND	84.10	<1	1.1	1.3	5.0	7.4	**53.0**	<25	<5	<5	13.1	<5
	11/23/2010	100.00	14.50	ND	ND	85.50	<1	<1	0.42 J	1.4	1.8 J	19.1	<25	<5	<5	3.2 J	<5
	3/2/2011	100.00	7.72	ND	ND	92.28	<1 [<1]	<1 [<1]	<1 [<1]	<3 [<3]	BRL	**36.8 [35.5]**	<20 [<20]	<1 [<1]	<1 [<1]	6.32 [5.99]	<5 [<5]
	5/19/2011	100.00	8.63	ND	ND	91.37	<1 [<1]	<1 [<1]	1.15 [1.02]	<3 [<3]	BRL	**60.9 [54.1]**	<20 [<20]	<1 [<1]	<1 [<1]	<1 [10.6]	**5.01 [<5]**
	7/12/2011	100.00	14.09	ND	ND	85.91	<1	<1	<1	<3	BRL	**37**	<20	<1	<1	6.78	<5
	10/24/2011	100.00	8.48	ND	ND	91.52	<1	1.62	<1	<3	1.62	**28.9**	<10	<1	<1	4.82	<5
	2/8/2012	100.00	8.33	ND	ND	91.67	<1	<1	<1	<3	BRL	**43.9**	<10	<1	<1	<1	<5
	5/22/2012	100.00	14.55	ND	ND	85.45	<1	<1	<1	<3	BRL	**27.1**	<10	<1	<1	4.11	<5
	8/14/2012	100.00	17.95	ND	ND	82.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/4/2012	100.00	Dry	ND	ND	Dry	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2013	100.00	8.42	ND	ND	91.58	<1	<1	<1	<3	BRL	9.48	<10	<2	<1	1.41	<5
	5/1/2013	100.00	9.13	ND	ND	90.87	<1	<1	<1	<3	BRL	**27.4**	<10	<2	<1	5.24	<5
	8/6/2013	100.00	7.25	ND	ND	92.75	<1	<1	<1	<2	BRL	16.7	<10	<2	<1	3.06	<5
	10/3/2013	100.00	9.83	ND	ND	90.17	<1	<1	<1	<2	BRL	13.7	<10	<2	<1	<1	<5
	3/6/2014	100.00	6.91	ND	ND	93.09	<1	<1	<1	<3	BRL	15.2	<10	<2	<1	2.46	<5
	6/12/2014	100.00	8.38	ND	ND	91.62	<1	<1	<1	<2	BRL	9.81	<10	<2	<1	1.86	<5
	9/19/2014	100.00	16.21	ND	ND	83.79	<1	<1	<1	<2	BRL	7.25	<10	<2	<1	1.16	<5
	11/13/2014	100.00	13.29	ND	ND	86.71	<1	<1	<1	<2	BRL	3.28	<10	<2	<1	<1	<5
	3/25/2015	100.00	6.73	ND	ND	93.27	<1	<1	<1	<2	BRL	4.55	<10	<2	<1	<1	<5
	6/25/2015	100.00	7.31	ND	ND	92.69	<1	<1	<1	<3	BRL	5.87	<10	<2	<1	1.38	<5
	7/29/2015	100.00	8.58	ND	ND	91.42	<1	<1	<1	<3	BRL	5.73	<10	<2	<1	1.35	<5
	10/29/2015	100.00	13.98	ND	ND	86.02	<1	<1	<1	<3	BRL	1.77	<10	<2	<1	<1	<5
	2/10/2016	100.00	6.51	ND	ND	93.49	<1	<1	<1	<3	BRL	<1	<10	<2	<1	<1	<5
	5/9/2016	100.00	8.49	ND	ND	91.51	<1	<1	<1	<3	BRL	1.39	<10	<2	<1	<1	<5
	8/16/2016	100.00	15.12	ND	ND	84.88	<1.00	16.6	<1.00	<3.00	16.6	5.47	<10.0	<2.00	<2.00	<1.00	<5.00
	11/8/2016	100.00	17.17	ND	ND	82.83	<1.00	<1.00	<1.00	<3.00	BRL	1.16	<10.0	<2.00	<1.00	<1.00	<5.00
	3/7/2017	100.00	14.44	ND	ND	85.56	<1.00	<1.00	<1.00	<3.00	BRL	<1.00	<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 2
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:							**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-13	6/1/2005	94.38	9.60	ND	ND	84.78	0.99 J	11.7	62.3	225	300 J	2.2	<25	NA	NA	NA	NA
	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

See Notes on Page 13.

Table 2
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:		**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-14 (cont.)	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

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Table 2
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:						**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-15 (cont.)	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

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Table 2
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:						**5.0**	**1,000**	**700**	**10,000**	**--**	**20**	**--**	**--**	**--**	**--**	**0.7**
MW-16 (cont.)	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 2
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:							**5.0**	**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

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 3
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	16.4	0.71	4
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
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 3
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
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
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	--	--	--	--	--

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Table 3
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
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
MW-11	2/22/2013	NS	NS	NS	NS	6.20	0.202	12.31	1.87	42
	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 3
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
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 3
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

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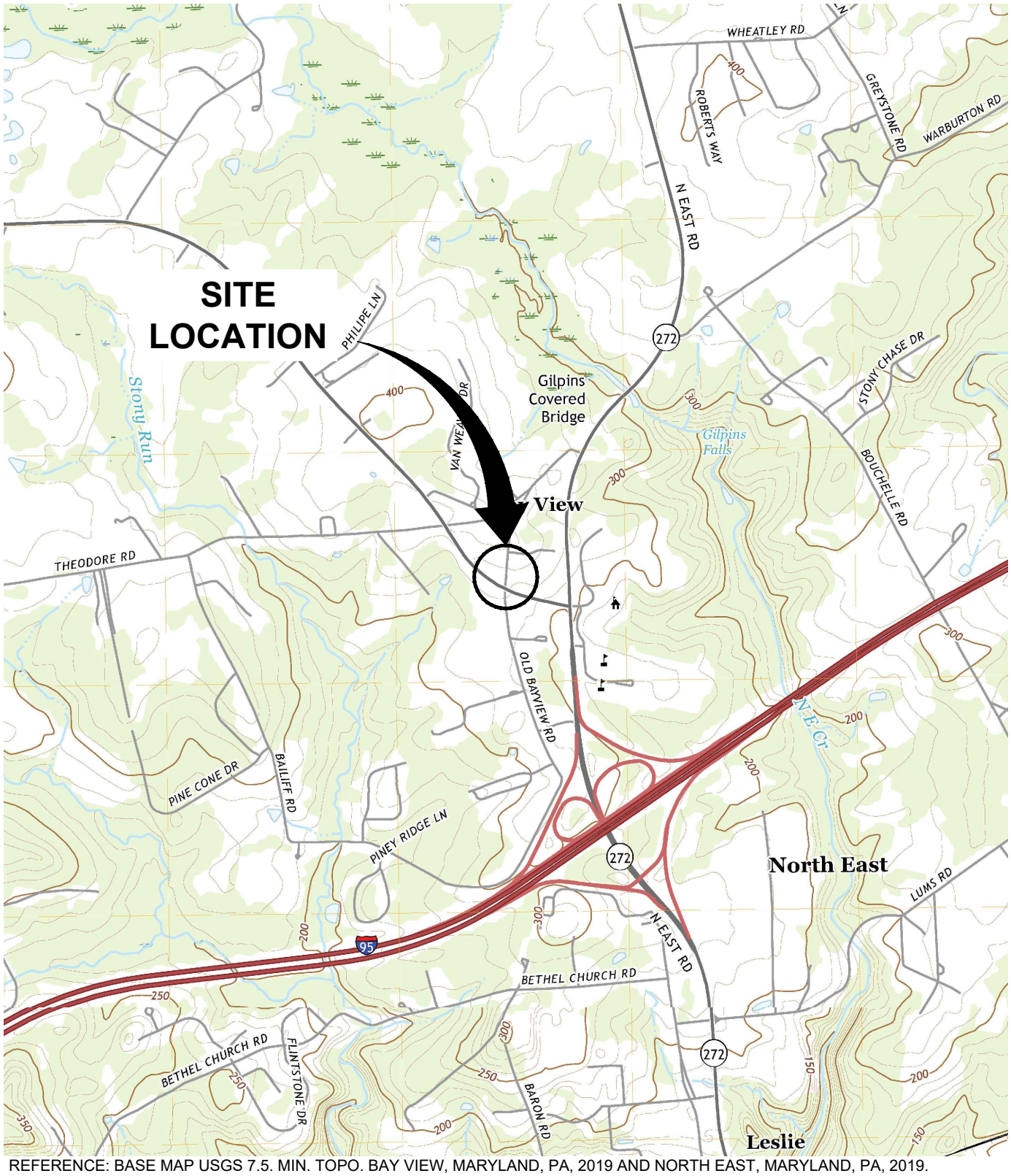
Table 3
Monitored Natural Attenuation Data

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

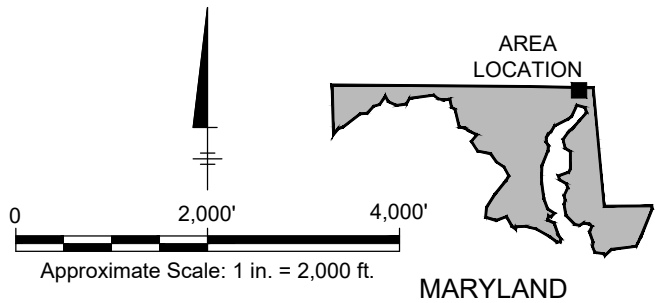
Well ID	Date	Laboratory Analytical				Field Parameters				
		Sulfate (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Nitrate/Nitrite (mg/L)	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)
MEAT Groundwater Standard:		--	***2,600***	--	--	--	--	--	--	--
MW-16	3/7/2017	NS	NS	NS	NS	4.94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



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. BAY VIEW, MARYLAND, PA, 2019 AND NORTH EAST, MARYLAND, PA, 2019.

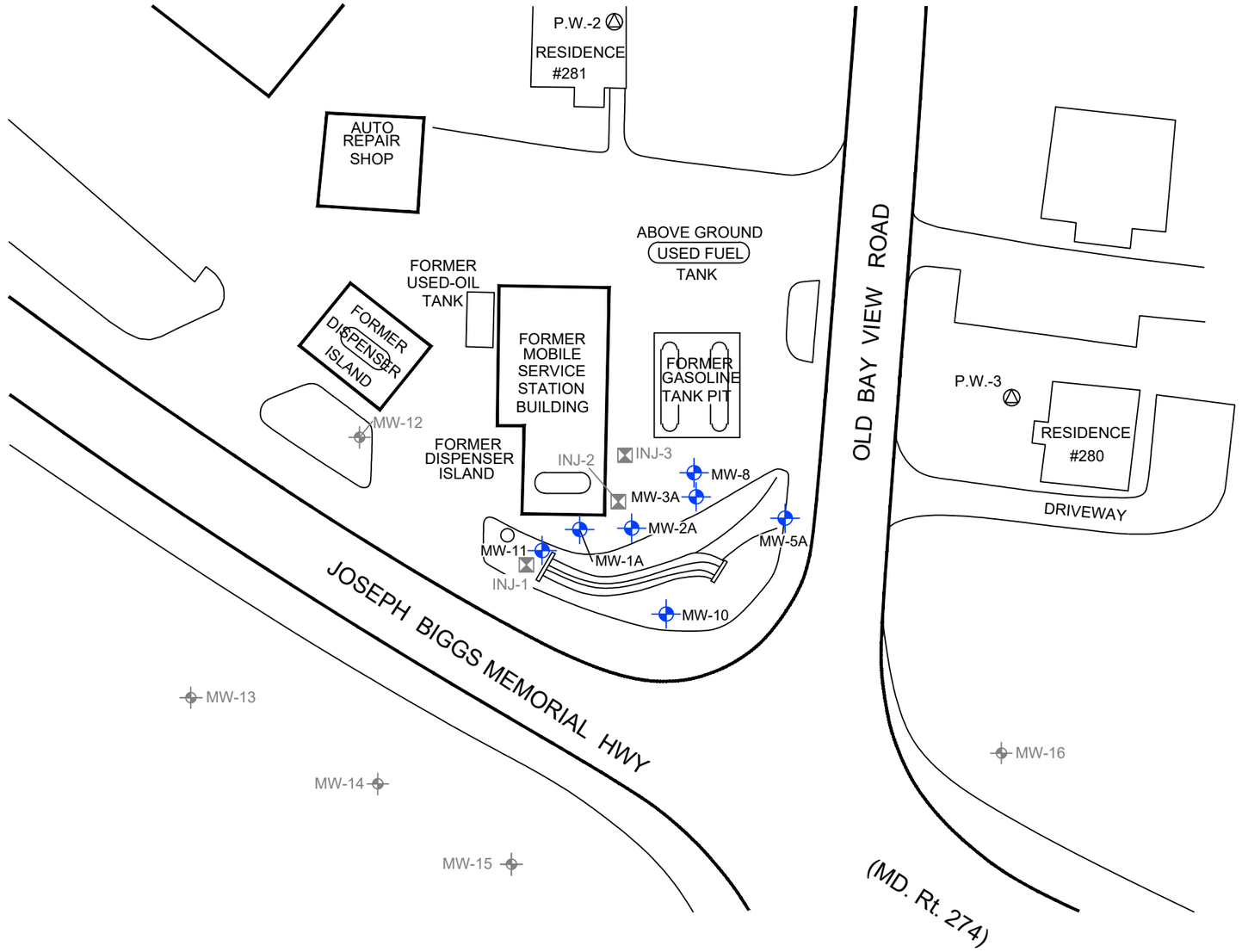


FORMER EXXON FACILITY # 14489
285 OLD BAY VIEW ROAD
NORTH EAST, MARYLAND

SITE LOCATION MAP

ARCADIS

FIGURE 1



LEGEND:

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

0 40' 80'

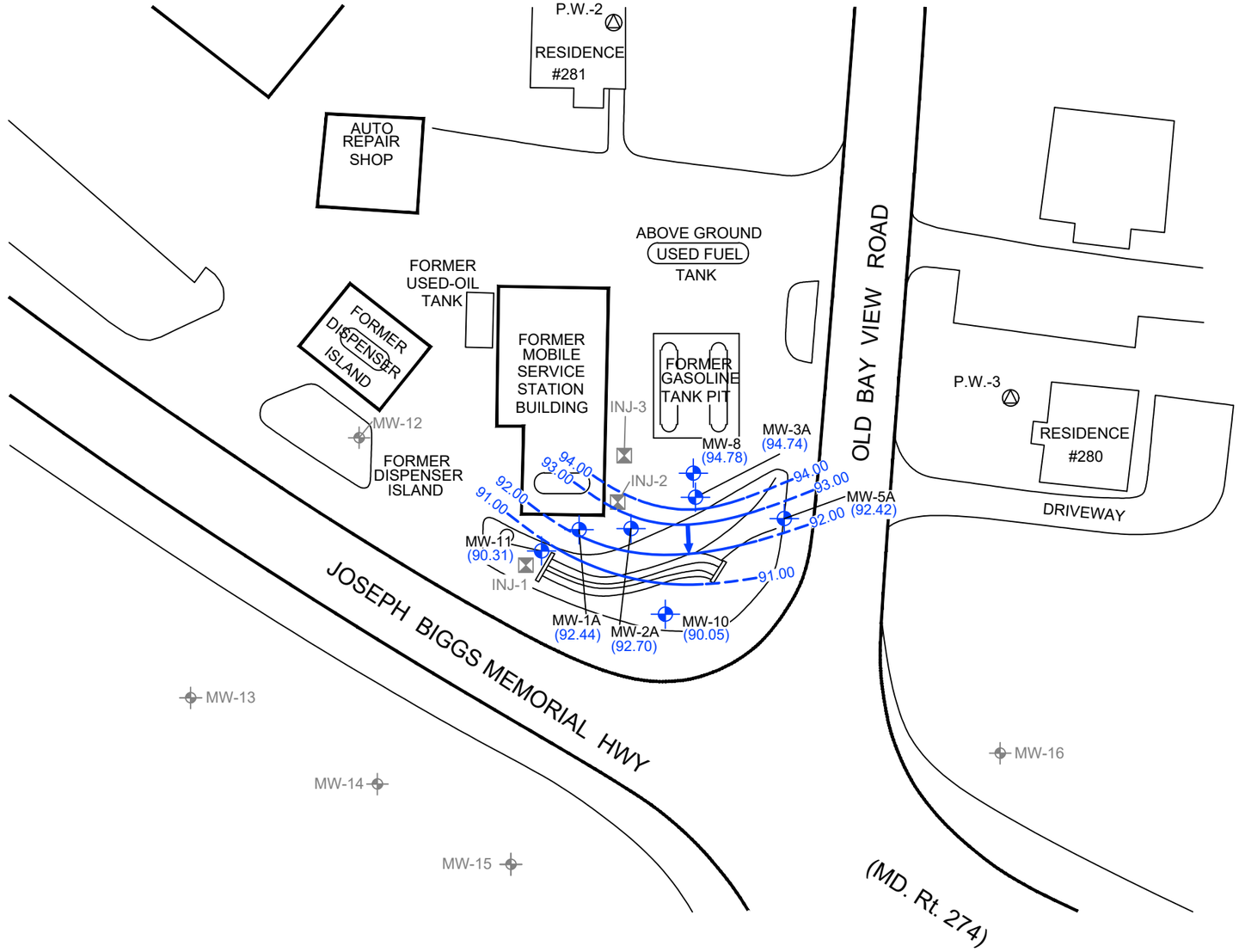
Approximate Scale: 1 in. = 40 ft.

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

SITE MAP

ARCADIS

FIGURE
2



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)
- (94.78) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- INFERRED GROUNDWATER FLOW DIRECTION

0 40' 80'

Approximate Scale: 1 in. = 40 ft.

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

GROUNDWATER ELEVATION CONTOUR MAP JUNE 16, 2022

ARCADIS

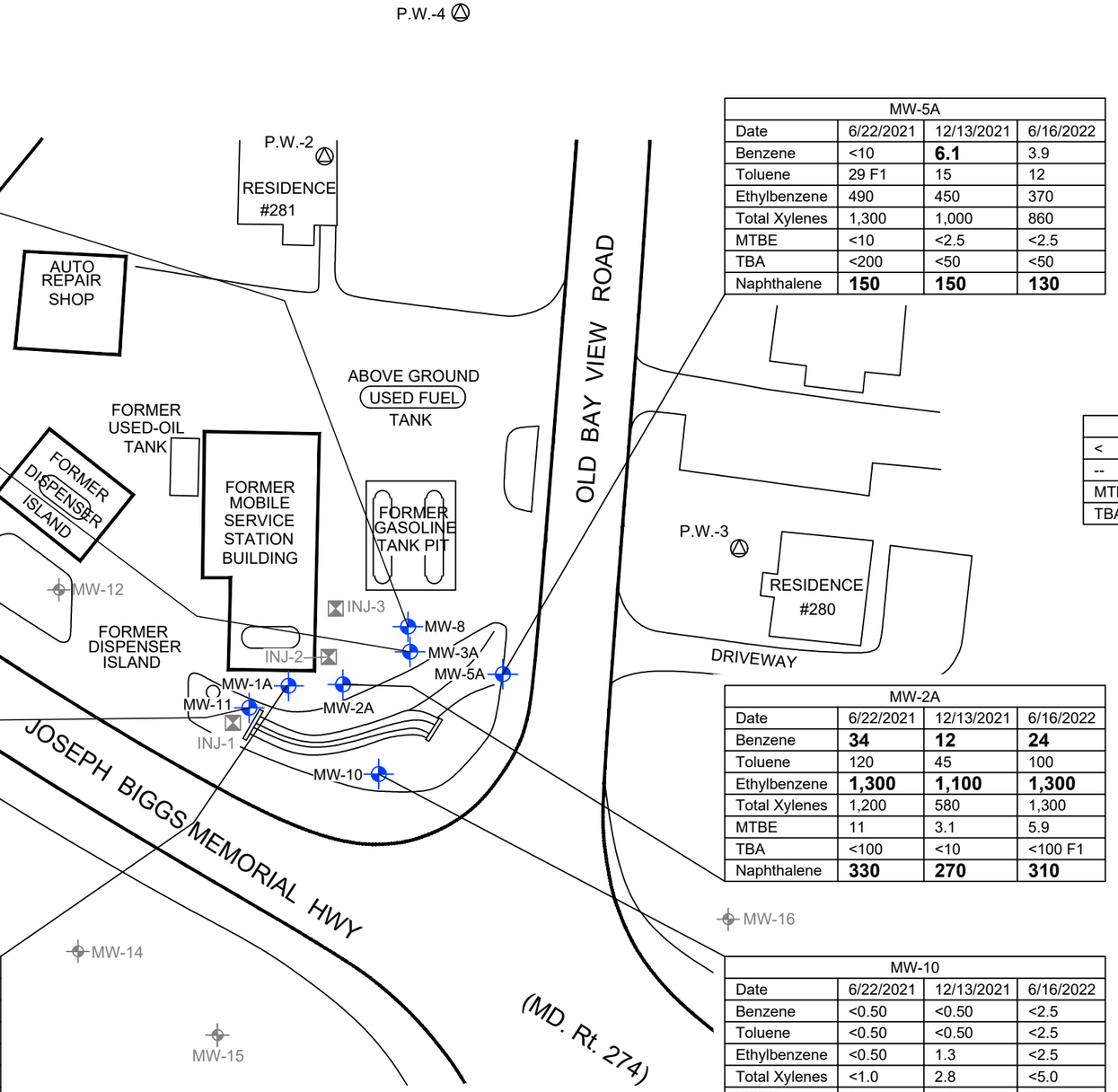
FIGURE 3

MW-8			
Date	6/22/2021	12/13/2021	6/16/2022
Benzene	<0.50	<0.50	<0.50
Toluene	<0.50	<0.50	<0.50
Ethylbenzene	0.53	0.93	<0.50
Total Xylenes	<1.0	<1.0	<1.0
MTBE	<0.50	<0.50	<0.50
TBA	<10	<10	<10
Naphthalene	<0.50	0.65	<0.50

MW-3A			
Date	6/22/2021	12/13/2021	6/16/2022
Benzene	<0.50	<0.50	<0.50
Toluene	<0.50	<0.50	<0.50
Ethylbenzene	0.85	<0.50	1.2
Total Xylenes	1.3	<1.0	1.3
MTBE	<0.50	<0.50	<0.50
TBA	<10	<10	<10
Naphthalene	<0.50	<0.50	<0.50

MW-11			
Date	6/22/2021	12/13/2021	6/16/2022
Benzene	<0.50	<0.50	<0.50
Toluene	<0.50	<0.50	<0.50
Ethylbenzene	<0.50	1.7	1.4
Total Xylenes	<1.0	1.1	<1.0
MTBE	<0.50	<0.50	<0.50
TBA	<10	<10	<10
Naphthalene	0.50	**1.2**	**0.91**

MW-1A			
Date	6/22/2021	12/13/2021	6/16/2022
Benzene	**16 [18]**	<2.5 [<2.5]	**9.6 [8.9]**
Toluene	270 [310]	25 [27]	180 [220]
Ethylbenzene	520 [590]	150 [150]	420 [430]
Total Xylenes	1,500 [1,800]	310 [300]	1,100 [1,200]
MTBE	<2.5 [<5.0]	<2.5 [<2.5]	<2.5 [<2.5]
TBA	<50 F1 [<100]	<50 [<50]	<50 [<50]
Naphthalene	**190 [160]**	**68 [63]**	**120 [120]**



MW-5A			
Date	6/22/2021	12/13/2021	6/16/2022
Benzene	<10	**6.1**	3.9
Toluene	29 F1	15	12
Ethylbenzene	490	450	370
Total Xylenes	1,300	1,000	860
MTBE	<10	<2.5	<2.5
TBA	<200	<50	<50
Naphthalene	**150**	**150**	**130**

MW-2A			
Date	6/22/2021	12/13/2021	6/16/2022
Benzene	**34**	**12**	**24**
Toluene	120	45	100
Ethylbenzene	**1,300**	**1,100**	**1,300**
Total Xylenes	1,200	580	1,300
MTBE	11	3.1	5.9
TBA	<100	<10	<100 F1
Naphthalene	**330**	**270**	**310**

MW-10			
Date	6/22/2021	12/13/2021	6/16/2022
Benzene	<0.50	<0.50	<2.5
Toluene	<0.50	<0.50	<2.5
Ethylbenzene	<0.50	1.3	<2.5
Total Xylenes	<1.0	2.8	<5.0
MTBE	2.5	1.2	4.3
TBA	<10	<10	<50
Naphthalene	<0.50	0.55	<2.5

LEGEND:

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

MEAT GROUNDWATER STANDARD	
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	10,000
MTBE	20
TBA	--
Naphthalene	0.7

DEFINITIONS	
<	THE RESULTS IS LESS THAN THE SHOWN METHOD DETECTION LIMIT
--	NO STANDARD CURRENTLY EXISTS
MTBE	METHYL TERTIARY BUTYL ETHER
TBA	TERTIARY BUTYL ALCOHOL

NOTES:

1. BOLD VALUES EXCEEDS THE APPLICABLE MEAT STANDARD.
2. F1 - MATRIX SPIKE AND/OR MATRIX SPIKE DUPLICATE RECOVERY EXCEEDS CONTROL LIMITS.
3. VALUES LISTED INSIDE BRACKETS ARE DUPLICATE SAMPLE RESULTS.

0 40' 80'

Approximate Scale: 1 in. = 40 ft.

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

GROUNDWATER ANALYTICAL MAP JUNE 2021 - JUNE 2022

ARCADIS

FIGURE 4

APPENDIX A

First Quarter Potable Well Results Letters with Laboratory Analytical Report and Chain-of-Custody

Mr. Charles Broomall
259 Old Bayview Road
North East, Maryland 21901

Date: May 2, 2022
Our Ref: 30067154
Subject: Potable Well Sampling Results

Arcadis U.S., Inc.
2839 Paces Ferry Road
Suite 900
Atlanta
Georgia 30339
Phone: 770 431 8666
Fax: 770 435 2666
www.arcadis.com

Dear Mr. Broomall,

Thank you for your cooperation in allowing Arcadis U.S., Inc. (Arcadis), on behalf of ExxonMobil Environmental and Property Solutions Company (E&PS), to sample your potable water well on March 21, 2022. The samples were obtained to maintain compliance with the Maryland Department of the Environment (MDE) as part of an ongoing environmental groundwater investigation at Former ExxonMobil Facility #14489 located at 285 Old Bayview Road, North East, Cecil County, Maryland.

During sampling activities, water samples were collected at three points from your point of entry treatment (POET) system as follows: 1) before the granular activated carbon (GAC) units (Influent), 2) between the GAC units (Midfluent), and 3) after the GAC units (Effluent). The Effluent water is the water that passes through the household taps/showers, etc. Water samples from each point were collected and analyzed separately for full list volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 524.2.

The results of the March 21, 2022, potable well sampling indicated the following:

- Influent: The dissolved-phase concentration of methyl tertiary-butyl ether (MTBE) was detected above the minimum laboratory detection limit and respective MDE Generic Numeric Cleanup Standard. The dissolved-phase concentration of tertiary-Butyl Alcohol (TBA) was also detected above the minimum laboratory detection limit.
- Midfluent: The dissolved-phase concentration of TBA was detected above the minimum laboratory detection limit.
- Effluent: There were no detections above the minimum laboratory detection limits.

The next quarterly GAC POET system sampling event is scheduled for June 2022. Arcadis will contact you in advance of the sampling date to confirm that access to the GAC POET system can be granted.

Mr. Charles Broomall
May 2, 2022

Thank you for your cooperation. If you have any questions regarding the sampling results or investigation in your area, please contact Ms. Kelley Sharpe (Arcadis) at 770.384.6584, Ms. Susan Bull (MDE) at 410.537.3499, or Ms. Jewel Cox (E&PS) at 201.341.4687.

Sincerely,
Arcadis U.S., Inc.

Kelley Sharpe
Project Manager

Email: Kelley.Sharpe@arcadis.com
Direct Line: 770.384.6584

CC. Ms. Jewel Cox, E&PS; Ms. Susan Bull, MDE; File

Enclosures:
Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-77038-1
Client Project/Site: 14489 - North East, MD
Revision: 1

For:
ARCADIS U.S., Inc.
2839 Paces Ferry Road SE
Suite 900
Atlanta, Georgia 30339

Attn: Ms. Kelley Sharpe

Authorized for release by:
4/27/2022 10:33:05 AM

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

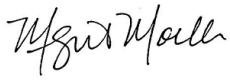
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.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



Megan Moeller
Client Services Manager
4/27/2022 10:33:05 AM

Table of Contents

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Job ID: 410-77038-1
Project/Site: 14489 - North East, MD

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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

Job ID: 410-77038-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-77038-1

REVISION

The report being provided is a revision of the original report sent on 3/30/2022. The report (revision 1) is being revised due to moving samples beginning with 261 into a separate reporting group.

Report revision history

Receipt
The samples were received on 3/22/2022 11:11 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 0.5°C

GC/MS VOA
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: 410-77038-1

Client Sample ID: 259-Influent-W-220321 — Lab Sample ID: 410-77038-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	46		0.50		ug/L	1		524.2	Total/NA
t-Butyl alcohol	65		25		ug/L	1		524.2	Total/NA

Client Sample ID: 259-Midfluent-W-220321 — Lab Sample ID: 410-77038-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
t-Butyl alcohol	53		25		ug/L	1		524.2	Total/NA

Client Sample ID: 259-Effluent-W-220321 — Lab Sample ID: 410-77038-3

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 410-77038-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	36		10		ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-77038-1

Client Sample ID: 259-Influent-W-220321
Date Collected: 03/21/22 13:00
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-1
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,1-Dichloroethane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,1-Dichloroethene	<0.50		0.50		ug/L			03/23/22 12:12	1
1,1-Dichloropropanone	<50		50		ug/L			03/23/22 12:12	1
1,1-Dichloropropene	<0.50		0.50		ug/L			03/23/22 12:12	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			03/23/22 12:12	1
1,2-Dibromoethane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
1,2-Dichloroethane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
1,3-Dichloropropane	<0.50		0.50		ug/L			03/23/22 12:12	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
1-Chlorobutane	<0.50		0.50		ug/L			03/23/22 12:12	1
2,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 12:12	1
2-Butanone	<5.0		5.0		ug/L			03/23/22 12:12	1
2-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 12:12	1
2-Hexanone	<5.0		5.0		ug/L			03/23/22 12:12	1
2-Nitropropane	<53		53		ug/L			03/23/22 12:12	1
4-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 12:12	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			03/23/22 12:12	1
Acetone	<10		10		ug/L			03/23/22 12:12	1
Acrylonitrile	<10		10		ug/L			03/23/22 12:12	1
Allyl chloride	<0.50		0.50		ug/L			03/23/22 12:12	1
Benzene	<0.50		0.50		ug/L			03/23/22 12:12	1
Bromobenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
Bromochloromethane	<0.50		0.50		ug/L			03/23/22 12:12	1
Bromodichloromethane	<0.50		0.50		ug/L			03/23/22 12:12	1
Bromoform	<0.50		0.50		ug/L			03/23/22 12:12	1
Bromomethane	<0.50		0.50		ug/L			03/23/22 12:12	1
Carbon disulfide	<2.0		2.0		ug/L			03/23/22 12:12	1
Carbon tetrachloride	<0.50		0.50		ug/L			03/23/22 12:12	1
Chloroacetonitrile	<50		50		ug/L			03/23/22 12:12	1
Chlorobenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
Chloroethane	<0.50		0.50		ug/L			03/23/22 12:12	1
Chloroform	<0.50		0.50		ug/L			03/23/22 12:12	1
Chloromethane	<0.50		0.50		ug/L			03/23/22 12:12	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 12:12	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 12:12	1
Dibromochloromethane	<0.50		0.50		ug/L			03/23/22 12:12	1
Dibromomethane	<0.50		0.50		ug/L			03/23/22 12:12	1

Client Sample ID: 259-Influent-W-220321
Date Collected: 03/21/22 13:00
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-1
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			03/23/22 12:12	1
Ethyl ether	<0.50		0.50		ug/L			03/23/22 12:12	1
Ethyl methacrylate	<0.50		0.50		ug/L			03/23/22 12:12	1
Ethylbenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
Hexachlorobutadiene	<0.50		0.50		ug/L			03/23/22 12:12	1
Hexachloroethane	<0.50		0.50		ug/L			03/23/22 12:12	1
Isopropylbenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
m&p-Xylene	<1.0		1.0		ug/L			03/23/22 12:12	1
Methacrylonitrile	<5.0		5.0		ug/L			03/23/22 12:12	1
Methyl acrylate	<5.0		5.0		ug/L			03/23/22 12:12	1
Methyl iodide	<0.50		0.50		ug/L			03/23/22 12:12	1
Methyl methacrylate	<0.50		0.50		ug/L			03/23/22 12:12	1
Methyl tertiary butyl ether	**46**		0.50		ug/L			03/23/22 12:12	1
Methylene Chloride	<0.50		0.50		ug/L			03/23/22 12:12	1
Naphthalene	<0.50		0.50		ug/L			03/23/22 12:12	1
n-Butylbenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
N-Propylbenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
Nitrobenzene	<50		50		ug/L			03/23/22 12:12	1
o-Xylene	<0.50		0.50		ug/L			03/23/22 12:12	1
Pentachloroethane	<0.50		0.50		ug/L			03/23/22 12:12	1
Propionitrile	<10		10		ug/L			03/23/22 12:12	1
p-Isopropyltoluene	<0.50		0.50		ug/L			03/23/22 12:12	1
sec-Butylbenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
Styrene	<0.50		0.50		ug/L			03/23/22 12:12	1
Tetrachloroethene	<0.50		0.50		ug/L			03/23/22 12:12	1
Tetrahydrofuran	<7.0		7.0		ug/L			03/23/22 12:12	1
tert-Butylbenzene	<0.50		0.50		ug/L			03/23/22 12:12	1
Toluene	<0.50		0.50		ug/L			03/23/22 12:12	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 12:12	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 12:12	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			03/23/22 12:12	1
t-Butyl alcohol	**65**		25		ug/L			03/23/22 12:12	1
Trichloroethene	<0.50		0.50		ug/L			03/23/22 12:12	1
Trichlorofluoromethane	<0.50		0.50		ug/L			03/23/22 12:12	1
Vinyl chloride	<0.50		0.50		ug/L			03/23/22 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*97*		*80 - 120*		*03/23/22 12:12*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/23/22 12:12*	*1*

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

Job ID: 410-77038-1

Client Sample ID: 259-Midfluent-W-220321
Date Collected: 03/21/22 13:05
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,1-Dichloroethane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,1-Dichloroethene	<0.50		0.50		ug/L			03/23/22 12:36	1
1,1-Dichloropropanone	<50		50		ug/L			03/23/22 12:36	1
1,1-Dichloropropene	<0.50		0.50		ug/L			03/23/22 12:36	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			03/23/22 12:36	1
1,2-Dibromoethane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
1,2-Dichloroethane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
1,3-Dichloropropane	<0.50		0.50		ug/L			03/23/22 12:36	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
1-Chlorobutane	<0.50		0.50		ug/L			03/23/22 12:36	1
2,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 12:36	1
2-Butanone	<5.0		5.0		ug/L			03/23/22 12:36	1
2-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 12:36	1
2-Hexanone	<5.0		5.0		ug/L			03/23/22 12:36	1
2-Nitropropane	<53		53		ug/L			03/23/22 12:36	1
4-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 12:36	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			03/23/22 12:36	1
Acetone	<10		10		ug/L			03/23/22 12:36	1
Acrylonitrile	<10		10		ug/L			03/23/22 12:36	1
Allyl chloride	<0.50		0.50		ug/L			03/23/22 12:36	1
Benzene	<0.50		0.50		ug/L			03/23/22 12:36	1
Bromobenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
Bromochloromethane	<0.50		0.50		ug/L			03/23/22 12:36	1
Bromodichloromethane	<0.50		0.50		ug/L			03/23/22 12:36	1
Bromoform	<0.50		0.50		ug/L			03/23/22 12:36	1
Bromomethane	<0.50		0.50		ug/L			03/23/22 12:36	1
Carbon disulfide	<2.0		2.0		ug/L			03/23/22 12:36	1
Carbon tetrachloride	<0.50		0.50		ug/L			03/23/22 12:36	1
Chloroacetonitrile	<50		50		ug/L			03/23/22 12:36	1
Chlorobenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
Chloroethane	<0.50		0.50		ug/L			03/23/22 12:36	1
Chloroform	<0.50		0.50		ug/L			03/23/22 12:36	1
Chloromethane	<0.50		0.50		ug/L			03/23/22 12:36	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 12:36	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 12:36	1
Dibromochloromethane	<0.50		0.50		ug/L			03/23/22 12:36	1
Dibromomethane	<0.50		0.50		ug/L			03/23/22 12:36	1

Client Sample ID: 259-Midfluent-W-220321
Date Collected: 03/21/22 13:05
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			03/23/22 12:36	1
Ethyl ether	<0.50		0.50		ug/L			03/23/22 12:36	1
Ethyl methacrylate	<0.50		0.50		ug/L			03/23/22 12:36	1
Ethylbenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
Hexachlorobutadiene	<0.50		0.50		ug/L			03/23/22 12:36	1
Hexachloroethane	<0.50		0.50		ug/L			03/23/22 12:36	1
Isopropylbenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
m&p-Xylene	<1.0		1.0		ug/L			03/23/22 12:36	1
Methacrylonitrile	<5.0		5.0		ug/L			03/23/22 12:36	1
Methyl acrylate	<5.0		5.0		ug/L			03/23/22 12:36	1
Methyl iodide	<0.50		0.50		ug/L			03/23/22 12:36	1
Methyl methacrylate	<0.50		0.50		ug/L			03/23/22 12:36	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			03/23/22 12:36	1
Methylene Chloride	<0.50		0.50		ug/L			03/23/22 12:36	1
Naphthalene	<0.50		0.50		ug/L			03/23/22 12:36	1
n-Butylbenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
N-Propylbenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
Nitrobenzene	<50		50		ug/L			03/23/22 12:36	1
o-Xylene	<0.50		0.50		ug/L			03/23/22 12:36	1
Pentachloroethane	<0.50		0.50		ug/L			03/23/22 12:36	1
Propionitrile	<10		10		ug/L			03/23/22 12:36	1
p-Isopropyltoluene	<0.50		0.50		ug/L			03/23/22 12:36	1
sec-Butylbenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
Styrene	<0.50		0.50		ug/L			03/23/22 12:36	1
Tetrachloroethene	<0.50		0.50		ug/L			03/23/22 12:36	1
Tetrahydrofuran	<7.0		7.0		ug/L			03/23/22 12:36	1
tert-Butylbenzene	<0.50		0.50		ug/L			03/23/22 12:36	1
Toluene	<0.50		0.50		ug/L			03/23/22 12:36	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 12:36	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 12:36	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			03/23/22 12:36	1
t-Butyl alcohol	**53**		25		ug/L			03/23/22 12:36	1
Trichloroethene	<0.50		0.50		ug/L			03/23/22 12:36	1
Trichlorofluoromethane	<0.50		0.50		ug/L			03/23/22 12:36	1
Vinyl chloride	<0.50		0.50		ug/L			03/23/22 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*97*		*80 - 120*		*03/23/22 12:36*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/23/22 12:36*	*1*

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

Job ID: 410-77038-1

Client Sample ID: 259-Effluent-W-220321
Date Collected: 03/21/22 13:10
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-3
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,1-Dichloroethane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,1-Dichloroethene	<0.50		0.50		ug/L			03/23/22 12:59	1
1,1-Dichloropropanone	<50		50		ug/L			03/23/22 12:59	1
1,1-Dichloropropene	<0.50		0.50		ug/L			03/23/22 12:59	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			03/23/22 12:59	1
1,2-Dibromoethane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
1,2-Dichloroethane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
1,3-Dichloropropane	<0.50		0.50		ug/L			03/23/22 12:59	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
1-Chlorobutane	<0.50		0.50		ug/L			03/23/22 12:59	1
2,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 12:59	1
2-Butanone	<5.0		5.0		ug/L			03/23/22 12:59	1
2-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 12:59	1
2-Hexanone	<5.0		5.0		ug/L			03/23/22 12:59	1
2-Nitropropane	<53		53		ug/L			03/23/22 12:59	1
4-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 12:59	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			03/23/22 12:59	1
Acetone	<10		10		ug/L			03/23/22 12:59	1
Acrylonitrile	<10		10		ug/L			03/23/22 12:59	1
Allyl chloride	<0.50		0.50		ug/L			03/23/22 12:59	1
Benzene	<0.50		0.50		ug/L			03/23/22 12:59	1
Bromobenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
Bromochloromethane	<0.50		0.50		ug/L			03/23/22 12:59	1
Bromodichloromethane	<0.50		0.50		ug/L			03/23/22 12:59	1
Bromoform	<0.50		0.50		ug/L			03/23/22 12:59	1
Bromomethane	<0.50		0.50		ug/L			03/23/22 12:59	1
Carbon disulfide	<2.0		2.0		ug/L			03/23/22 12:59	1
Carbon tetrachloride	<0.50		0.50		ug/L			03/23/22 12:59	1
Chloroacetonitrile	<50		50		ug/L			03/23/22 12:59	1
Chlorobenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
Chloroethane	<0.50		0.50		ug/L			03/23/22 12:59	1
Chloroform	<0.50		0.50		ug/L			03/23/22 12:59	1
Chloromethane	<0.50		0.50		ug/L			03/23/22 12:59	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 12:59	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 12:59	1
Dibromochloromethane	<0.50		0.50		ug/L			03/23/22 12:59	1
Dibromomethane	<0.50		0.50		ug/L			03/23/22 12:59	1

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

Job ID: 410-77038-1

Client Sample ID: 259-Effluent-W-220321
Date Collected: 03/21/22 13:10
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-3
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			03/23/22 12:59	1
Ethyl ether	<0.50		0.50		ug/L			03/23/22 12:59	1
Ethyl methacrylate	<0.50		0.50		ug/L			03/23/22 12:59	1
Ethylbenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
Hexachlorobutadiene	<0.50		0.50		ug/L			03/23/22 12:59	1
Hexachloroethane	<0.50		0.50		ug/L			03/23/22 12:59	1
Isopropylbenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
m&p-Xylene	<1.0		1.0		ug/L			03/23/22 12:59	1
Methacrylonitrile	<5.0		5.0		ug/L			03/23/22 12:59	1
Methyl acrylate	<5.0		5.0		ug/L			03/23/22 12:59	1
Methyl iodide	<0.50		0.50		ug/L			03/23/22 12:59	1
Methyl methacrylate	<0.50		0.50		ug/L			03/23/22 12:59	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			03/23/22 12:59	1
Methylene Chloride	<0.50		0.50		ug/L			03/23/22 12:59	1
Naphthalene	<0.50		0.50		ug/L			03/23/22 12:59	1
n-Butylbenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
N-Propylbenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
Nitrobenzene	<50		50		ug/L			03/23/22 12:59	1
o-Xylene	<0.50		0.50		ug/L			03/23/22 12:59	1
Pentachloroethane	<0.50		0.50		ug/L			03/23/22 12:59	1
Propionitrile	<10		10		ug/L			03/23/22 12:59	1
p-Isopropyltoluene	<0.50		0.50		ug/L			03/23/22 12:59	1
sec-Butylbenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
Styrene	<0.50		0.50		ug/L			03/23/22 12:59	1
Tetrachloroethene	<0.50		0.50		ug/L			03/23/22 12:59	1
Tetrahydrofuran	<7.0		7.0		ug/L			03/23/22 12:59	1
tert-Butylbenzene	<0.50		0.50		ug/L			03/23/22 12:59	1
Toluene	<0.50		0.50		ug/L			03/23/22 12:59	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 12:59	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 12:59	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			03/23/22 12:59	1
t-Butyl alcohol	<25		25		ug/L			03/23/22 12:59	1
Trichloroethene	<0.50		0.50		ug/L			03/23/22 12:59	1
Trichlorofluoromethane	<0.50		0.50		ug/L			03/23/22 12:59	1
Vinyl chloride	<0.50		0.50		ug/L			03/23/22 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*80 - 120*		*03/23/22 12:59*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/23/22 12:59*	*1*

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

Job ID: 410-77038-1

Client Sample ID: Trip Blank
Date Collected: 03/21/22 00:00
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-7
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,1-Dichloroethane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,1-Dichloroethene	<0.50		0.50		ug/L			03/23/22 11:49	1
1,1-Dichloropropanone	<50		50		ug/L			03/23/22 11:49	1
1,1-Dichloropropene	<0.50		0.50		ug/L			03/23/22 11:49	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			03/23/22 11:49	1
1,2-Dibromoethane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
1,2-Dichloroethane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
1,3-Dichloropropane	<0.50		0.50		ug/L			03/23/22 11:49	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
1-Chlorobutane	<0.50		0.50		ug/L			03/23/22 11:49	1
2,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 11:49	1
2-Butanone	<5.0		5.0		ug/L			03/23/22 11:49	1
2-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 11:49	1
2-Hexanone	<5.0		5.0		ug/L			03/23/22 11:49	1
2-Nitropropane	<53		53		ug/L			03/23/22 11:49	1
4-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 11:49	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			03/23/22 11:49	1
Acetone	**36**		10		ug/L			03/23/22 11:49	1
Acrylonitrile	<10		10		ug/L			03/23/22 11:49	1
Allyl chloride	<0.50		0.50		ug/L			03/23/22 11:49	1
Benzene	<0.50		0.50		ug/L			03/23/22 11:49	1
Bromobenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
Bromochloromethane	<0.50		0.50		ug/L			03/23/22 11:49	1
Bromodichloromethane	<0.50		0.50		ug/L			03/23/22 11:49	1
Bromoform	<0.50		0.50		ug/L			03/23/22 11:49	1
Bromomethane	<0.50		0.50		ug/L			03/23/22 11:49	1
Carbon disulfide	<2.0		2.0		ug/L			03/23/22 11:49	1
Carbon tetrachloride	<0.50		0.50		ug/L			03/23/22 11:49	1
Chloroacetonitrile	<50		50		ug/L			03/23/22 11:49	1
Chlorobenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
Chloroethane	<0.50		0.50		ug/L			03/23/22 11:49	1
Chloroform	<0.50		0.50		ug/L			03/23/22 11:49	1
Chloromethane	<0.50		0.50		ug/L			03/23/22 11:49	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 11:49	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 11:49	1
Dibromochloromethane	<0.50		0.50		ug/L			03/23/22 11:49	1
Dibromomethane	<0.50		0.50		ug/L			03/23/22 11:49	1

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

Job ID: 410-77038-1

Client Sample ID: Trip Blank
Date Collected: 03/21/22 00:00
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-7
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			03/23/22 11:49	1
Ethyl ether	<0.50		0.50		ug/L			03/23/22 11:49	1
Ethyl methacrylate	<0.50		0.50		ug/L			03/23/22 11:49	1
Ethylbenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
Hexachlorobutadiene	<0.50		0.50		ug/L			03/23/22 11:49	1
Hexachloroethane	<0.50		0.50		ug/L			03/23/22 11:49	1
Isopropylbenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
m&p-Xylene	<1.0		1.0		ug/L			03/23/22 11:49	1
Methacrylonitrile	<5.0		5.0		ug/L			03/23/22 11:49	1
Methyl acrylate	<5.0		5.0		ug/L			03/23/22 11:49	1
Methyl iodide	<0.50		0.50		ug/L			03/23/22 11:49	1
Methyl methacrylate	<0.50		0.50		ug/L			03/23/22 11:49	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			03/23/22 11:49	1
Methylene Chloride	<0.50		0.50		ug/L			03/23/22 11:49	1
Naphthalene	<0.50		0.50		ug/L			03/23/22 11:49	1
n-Butylbenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
N-Propylbenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
Nitrobenzene	<50		50		ug/L			03/23/22 11:49	1
o-Xylene	<0.50		0.50		ug/L			03/23/22 11:49	1
Pentachloroethane	<0.50		0.50		ug/L			03/23/22 11:49	1
Propionitrile	<10		10		ug/L			03/23/22 11:49	1
p-Isopropyltoluene	<0.50		0.50		ug/L			03/23/22 11:49	1
sec-Butylbenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
Styrene	<0.50		0.50		ug/L			03/23/22 11:49	1
Tetrachloroethene	<0.50		0.50		ug/L			03/23/22 11:49	1
Tetrahydrofuran	<7.0		7.0		ug/L			03/23/22 11:49	1
tert-Butylbenzene	<0.50		0.50		ug/L			03/23/22 11:49	1
Toluene	<0.50		0.50		ug/L			03/23/22 11:49	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 11:49	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 11:49	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			03/23/22 11:49	1
t-Butyl alcohol	<25		25		ug/L			03/23/22 11:49	1
Trichloroethene	<0.50		0.50		ug/L			03/23/22 11:49	1
Trichlorofluoromethane	<0.50		0.50		ug/L			03/23/22 11:49	1
Vinyl chloride	<0.50		0.50		ug/L			03/23/22 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*97*		*80 - 120*		*03/23/22 11:49*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/23/22 11:49*	*1*

Surrogate Summary

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

Job ID: 410-77038-1

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

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCZ	BFB
Lab Sample ID	Client Sample ID	(80-120)	(80-120)
410-77038-1	259-Influent-W-220321	97	94
410-77038-2	259-Midfluent-W-220321	97	93
410-77038-3	259-Effluent-W-220321	99	94
LCS 410-236700/4	Lab Control Sample	103	100
MB 410-236700/6	Method Blank	98	94

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCZ	BFB
Lab Sample ID	Client Sample ID	(80-120)	(80-120)
410-77038-7	Trip Blank	97	94

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 410-236700/6
Matrix: Drinking Water
Analysis Batch: 236700

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			03/23/22 11:25	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			03/23/22 11:25	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 11:25	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			03/23/22 11:25	1
1,1-Dichloroethane	<0.50		0.50		ug/L			03/23/22 11:25	1
1,1-Dichloroethene	<0.50		0.50		ug/L			03/23/22 11:25	1
1,1-Dichloropropanone	<50		50		ug/L			03/23/22 11:25	1
1,1-Dichloropropene	<0.50		0.50		ug/L			03/23/22 11:25	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			03/23/22 11:25	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			03/23/22 11:25	1
1,2-Dibromoethane	<0.50		0.50		ug/L			03/23/22 11:25	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
1,2-Dichloroethane	<0.50		0.50		ug/L			03/23/22 11:25	1
1,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 11:25	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
1,3-Dichloropropane	<0.50		0.50		ug/L			03/23/22 11:25	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
1-Chlorobutane	<0.50		0.50		ug/L			03/23/22 11:25	1
2,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 11:25	1
2-Butanone	<5.0		5.0		ug/L			03/23/22 11:25	1
2-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 11:25	1
2-Hexanone	<5.0		5.0		ug/L			03/23/22 11:25	1
2-Nitropropane	<53		53		ug/L			03/23/22 11:25	1
4-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 11:25	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			03/23/22 11:25	1
Acetone	<10		10		ug/L			03/23/22 11:25	1
Acrylonitrile	<10		10		ug/L			03/23/22 11:25	1
Allyl chloride	<0.50		0.50		ug/L			03/23/22 11:25	1
Benzene	<0.50		0.50		ug/L			03/23/22 11:25	1
Bromobenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
Bromochloromethane	<0.50		0.50		ug/L			03/23/22 11:25	1
Bromodichloromethane	<0.50		0.50		ug/L			03/23/22 11:25	1
Bromoform	<0.50		0.50		ug/L			03/23/22 11:25	1
Bromomethane	<0.50		0.50		ug/L			03/23/22 11:25	1
Carbon disulfide	<2.0		2.0		ug/L			03/23/22 11:25	1
Carbon tetrachloride	<0.50		0.50		ug/L			03/23/22 11:25	1
Chloroacetonitrile	<50		50		ug/L			03/23/22 11:25	1
Chlorobenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
Chloroethane	<0.50		0.50		ug/L			03/23/22 11:25	1
Chloroform	<0.50		0.50		ug/L			03/23/22 11:25	1
Chloromethane	<0.50		0.50		ug/L			03/23/22 11:25	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 11:25	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 11:25	1
Dibromochloromethane	<0.50		0.50		ug/L			03/23/22 11:25	1

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

Lab Sample ID: MB 410-236700/6
Matrix: Drinking Water
Analysis Batch: 236700

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	<0.50		0.50		ug/L			03/23/22 11:25	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			03/23/22 11:25	1
Ethyl ether	<0.50		0.50		ug/L			03/23/22 11:25	1
Ethyl methacrylate	<0.50		0.50		ug/L			03/23/22 11:25	1
Ethylbenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
Hexachlorobutadiene	<0.50		0.50		ug/L			03/23/22 11:25	1
Hexachloroethane	<0.50		0.50		ug/L			03/23/22 11:25	1
Isopropylbenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
m&p-Xylene	<1.0		1.0		ug/L			03/23/22 11:25	1
Methacrylonitrile	<5.0		5.0		ug/L			03/23/22 11:25	1
Methyl acrylate	<5.0		5.0		ug/L			03/23/22 11:25	1
Methyl iodide	<0.50		0.50		ug/L			03/23/22 11:25	1
Methyl methacrylate	<0.50		0.50		ug/L			03/23/22 11:25	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			03/23/22 11:25	1
Methylene Chloride	<0.50		0.50		ug/L			03/23/22 11:25	1
Naphthalene	<0.50		0.50		ug/L			03/23/22 11:25	1
n-Butylbenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
N-Propylbenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
Nitrobenzene	<50		50		ug/L			03/23/22 11:25	1
o-Xylene	<0.50		0.50		ug/L			03/23/22 11:25	1
Pentachloroethane	<0.50		0.50		ug/L			03/23/22 11:25	1
Propionitrile	<10		10		ug/L			03/23/22 11:25	1
p-Isopropyltoluene	<0.50		0.50		ug/L			03/23/22 11:25	1
sec-Butylbenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
Styrene	<0.50		0.50		ug/L			03/23/22 11:25	1
Tetrachloroethene	<0.50		0.50		ug/L			03/23/22 11:25	1
Tetrahydrofuran	<7.0		7.0		ug/L			03/23/22 11:25	1
tert-Butylbenzene	<0.50		0.50		ug/L			03/23/22 11:25	1
Toluene	<0.50		0.50		ug/L			03/23/22 11:25	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 11:25	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 11:25	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			03/23/22 11:25	1
t-Butyl alcohol	<25		25		ug/L			03/23/22 11:25	1
Trichloroethene	<0.50		0.50		ug/L			03/23/22 11:25	1
Trichlorofluoromethane	<0.50		0.50		ug/L			03/23/22 11:25	1
Vinyl chloride	<0.50		0.50		ug/L			03/23/22 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*98*		*80 - 120*		*03/23/22 11:25*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/23/22 11:25*	*1*

Lab Sample ID: LCS 410-236700/4
Matrix: Drinking Water
Analysis Batch: 236700

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	4.95		ug/L		99	70 - 130		
1,1,1-Trichloroethane			5.00	4.91		ug/L		98	70 - 130		

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

Lab Sample ID: LCS 410-236700/4
Matrix: Drinking Water
Analysis Batch: 236700

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	5.00	4.83		ug/L		97	70 - 130
1,1,2-Trichloroethane	5.00	4.88		ug/L		98	70 - 130
1,1-Dichloroethane	5.00	4.79		ug/L		96	70 - 130
1,1-Dichloroethene	5.00	5.15		ug/L		103	70 - 130
1,1-Dichloropropanone	500	521		ug/L		104	70 - 130
1,1-Dichloropropene	5.00	4.94		ug/L		99	70 - 130
1,2,3-Trichlorobenzene	5.00	4.92		ug/L		98	70 - 130
1,2,3-Trichloropropane	5.00	4.73		ug/L		95	70 - 130
1,2,4-Trichlorobenzene	5.00	4.77		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	5.00	4.97		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.79		ug/L		96	70 - 130
1,2-Dibromoethane	5.00	4.90		ug/L		98	70 - 130
1,2-Dichlorobenzene	5.00	4.94		ug/L		99	70 - 130
1,2-Dichloroethane	5.00	4.96		ug/L		99	70 - 130
1,2-Dichloropropane	5.00	4.89		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	5.00	4.84		ug/L		97	70 - 130
1,3-Dichlorobenzene	5.00	4.87		ug/L		97	70 - 130
1,3-Dichloropropane	5.00	4.88		ug/L		98	70 - 130
1,4-Dichlorobenzene	5.00	4.98		ug/L		100	70 - 130
1-Chlorobutane	5.00	4.86		ug/L		97	70 - 130
2,2-Dichloropropane	5.00	5.01		ug/L		100	70 - 130
2-Butanone	62.5	61.0		ug/L		98	70 - 130
2-Chlorotoluene	5.00	4.91		ug/L		98	70 - 130
2-Hexanone	62.5	61.6		ug/L		99	70 - 130
2-Nitropropane	505	516		ug/L		102	70 - 130
4-Chlorotoluene	5.00	4.92		ug/L		98	70 - 130
4-Methyl-2-pentanone	62.5	60.7		ug/L		97	70 - 130
Acetone	62.5	59.8		ug/L		96	70 - 130
Acrylonitrile	113	110		ug/L		97	70 - 130
Allyl chloride	5.00	5.28		ug/L		106	70 - 130
Benzene	5.00	4.94		ug/L		99	70 - 130
Bromobenzene	5.00	4.96		ug/L		99	70 - 130
Bromochloromethane	5.00	5.00		ug/L		100	70 - 130
Bromodichloromethane	5.00	5.00		ug/L		100	70 - 130
Bromoform	5.00	4.88		ug/L		98	70 - 130
Bromomethane	2.00	2.05		ug/L		103	70 - 130
Carbon disulfide	5.00	5.56		ug/L		111	70 - 130
Carbon tetrachloride	5.00	4.95		ug/L		99	70 - 130
Chloroacetonitrile	250	257		ug/L		103	70 - 130
Chlorobenzene	5.00	4.91		ug/L		98	70 - 130
Chloroethane	2.00	2.07		ug/L		104	70 - 130
Chloroform	5.00	4.93		ug/L		99	70 - 130
Chloromethane	2.00	2.00		ug/L		100	70 - 130
cis-1,2-Dichloroethene	5.00	4.99		ug/L		100	70 - 130
cis-1,3-Dichloropropene	5.00	4.78		ug/L		96	70 - 130
Dibromochloromethane	5.00	4.89		ug/L		98	70 - 130
Dibromomethane	5.00	4.83		ug/L		97	70 - 130
Dichlorodifluoromethane	2.00	2.15		ug/L		108	70 - 130
Ethyl ether	5.00	4.77		ug/L		95	70 - 130

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

Lab Sample ID: LCS 410-236700/4
Matrix: Drinking Water
Analysis Batch: 236700

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethyl methacrylate	5.00	4.74		ug/L		95	70 - 130
Ethylbenzene	5.00	4.93		ug/L		99	70 - 130
Hexachlorobutadiene	5.00	4.92		ug/L		98	70 - 130
Hexachloroethane	5.00	4.86		ug/L		97	70 - 130
Isopropylbenzene	5.00	4.98		ug/L		100	70 - 130
m&p-Xylene	10.0	10.0		ug/L		100	70 - 130
Methacrylonitrile	37.5	35.9		ug/L		96	70 - 130
Methyl acrylate	25.0	24.1		ug/L		96	70 - 130
Methyl iodide	5.00	5.28		ug/L		106	70 - 130
Methyl methacrylate	5.00	4.64		ug/L		93	70 - 130
Methyl tertiary butyl ether	5.00	5.01		ug/L		100	70 - 130
Methylene Chloride	5.00	5.73		ug/L		115	70 - 130
Naphthalene	5.00	4.69		ug/L		94	70 - 130
n-Butylbenzene	5.00	4.96		ug/L		99	70 - 130
N-Propylbenzene	5.00	4.92		ug/L		98	70 - 130
Nitrobenzene	250	275		ug/L		110	70 - 130
o-Xylene	5.00	4.79		ug/L		96	70 - 130
Pentachloroethane	5.00	4.98		ug/L		100	70 - 130
Propionitrile	100	95.4		ug/L		95	70 - 130
p-Isopropyltoluene	5.00	5.07		ug/L		101	70 - 130
sec-Butylbenzene	5.00	4.99		ug/L		100	70 - 130
Styrene	5.00	5.03		ug/L		101	70 - 130
Tetrachloroethene	5.00	4.87		ug/L		97	70 - 130
Tetrahydrofuran	46.9	43.2		ug/L		92	70 - 130
tert-Butylbenzene	5.00	4.76		ug/L		95	70 - 130
Toluene	5.00	4.88		ug/L		98	70 - 130
trans-1,2-Dichloroethene	5.00	4.91		ug/L		98	70 - 130
trans-1,3-Dichloropropene	5.00	4.92		ug/L		98	70 - 130
trans-1,4-Dichloro-2-butene	25.0	26.9		ug/L		108	70 - 130
t-Butyl alcohol	50.0	47.1		ug/L		94	70 - 130
Trichloroethene	5.00	4.74		ug/L		95	70 - 130
Trichlorofluoromethane	2.00	2.08		ug/L		104	70 - 130
Vinyl chloride	2.00	2.08		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

QC Association Summary

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

Job ID: 410-77038-1

GC/MS VOA

Analysis Batch: 236700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-77038-1	259-Influent-W-220321	Total/NA	Drinking Water	524.2	
410-77038-2	259-Midfluent-W-220321	Total/NA	Drinking Water	524.2	
410-77038-3	259-Effluent-W-220321	Total/NA	Drinking Water	524.2	
410-77038-7	Trip Blank	Total/NA	Water	524.2	
MB 410-236700/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-236700/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

Lab Chronicle

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

Job ID: 410-77038-1

Client Sample ID: 259-Influent-W-220321
Lab Sample ID: 410-77038-1
Date Collected: 03/21/22 13:00
Matrix: Drinking Water
Date Received: 03/22/22 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	236700	03/23/22 12:12	USEJ	ELLE

Client Sample ID: 259-Midfluent-W-220321
Lab Sample ID: 410-77038-2
Date Collected: 03/21/22 13:05
Matrix: Drinking Water
Date Received: 03/22/22 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	236700	03/23/22 12:36	USEJ	ELLE

Client Sample ID: 259-Effluent-W-220321
Lab Sample ID: 410-77038-3
Date Collected: 03/21/22 13:10
Matrix: Drinking Water
Date Received: 03/22/22 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	236700	03/23/22 12:59	USEJ	ELLE

Client Sample ID: Trip Blank
Lab Sample ID: 410-77038-7
Date Collected: 03/21/22 00:00
Matrix: Water
Date Received: 03/22/22 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	236700	03/23/22 11:49	USEJ	ELLE

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.
Job ID: 410-77038-1
Project/Site: 14489 - North East, MD

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	06-30-22

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
524.2		Drinking Water	1,1,1,2-Tetrachloroethane
524.2		Drinking Water	1,1,2,2-Tetrachloroethane
524.2		Drinking Water	1,1-Dichloroethane
524.2		Drinking Water	1,1-Dichloropropanone
524.2		Drinking Water	1,1-Dichloropropene
524.2		Drinking Water	1,2,3-Trichlorobenzene
524.2		Drinking Water	1,2,3-Trichloropropane
524.2		Drinking Water	1,2,4-Trimethylbenzene
524.2		Drinking Water	1,2-Dibromo-3-Chloropropane
524.2		Drinking Water	1,2-Dibromoethane
524.2		Drinking Water	1,3,5-Trimethylbenzene
524.2		Drinking Water	1,3-Dichlorobenzene
524.2		Drinking Water	1,3-Dichloropropane
524.2		Drinking Water	1-Chlorobutane
524.2		Drinking Water	2,2-Dichloropropane
524.2		Drinking Water	2-Butanone
524.2		Drinking Water	2-Chlorotoluene
524.2		Drinking Water	2-Hexanone
524.2		Drinking Water	2-Nitropropane
524.2		Drinking Water	4-Chlorotoluene
524.2		Drinking Water	4-Methyl-2-pentanone
524.2		Drinking Water	Acetone
524.2		Drinking Water	Acrylonitrile
524.2		Drinking Water	Allyl chloride
524.2		Drinking Water	Bromobenzene
524.2		Drinking Water	Bromochloromethane
524.2		Drinking Water	Bromomethane
524.2		Drinking Water	Carbon disulfide
524.2		Drinking Water	Chloroacetonitrile
524.2		Drinking Water	Chloroethane
524.2		Drinking Water	Chloromethane
524.2		Drinking Water	cis-1,3-Dichloropropene
524.2		Drinking Water	Dibromomethane
524.2		Drinking Water	Dichlorodifluoromethane
524.2		Drinking Water	Ethyl ether
524.2		Drinking Water	Ethyl methacrylate
524.2		Drinking Water	Hexachlorobutadiene
524.2		Drinking Water	Hexachloroethane
524.2		Drinking Water	Isopropylbenzene
524.2		Drinking Water	m&p-Xylene
524.2		Drinking Water	Methacrylonitrile
524.2		Drinking Water	Methyl acrylate
524.2		Drinking Water	Methyl iodide
524.2		Drinking Water	Methyl methacrylate
524.2		Drinking Water	Methyl tertiary butyl ether

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
524.2		Drinking Water	Naphthalene
524.2		Drinking Water	n-Butylbenzene
524.2		Drinking Water	Nitrobenzene
524.2		Drinking Water	N-Propylbenzene
524.2		Drinking Water	o-Xylene
524.2		Drinking Water	Pentachloroethane
524.2		Drinking Water	p-Isopropyltoluene
524.2		Drinking Water	Propionitrile
524.2		Drinking Water	sec-Butylbenzene
524.2		Drinking Water	t-Butyl alcohol
524.2		Drinking Water	tert-Butylbenzene
524.2		Drinking Water	Tetrahydrofuran
524.2		Drinking Water	trans-1,3-Dichloropropene
524.2		Drinking Water	trans-1,4-Dichloro-2-butene
524.2		Drinking Water	Trichlorofluoromethane
524.2		Water	1,1,1,2-Tetrachloroethane
524.2		Water	1,1,2,2-Tetrachloroethane
524.2		Water	1,1-Dichloroethane
524.2		Water	1,1-Dichloropropanone
524.2		Water	1,1-Dichloropropene
524.2		Water	1,2,3-Trichlorobenzene
524.2		Water	1,2,3-Trichloropropane
524.2		Water	1,2,4-Trimethylbenzene
524.2		Water	1,2-Dibromo-3-Chloropropane
524.2		Water	1,2-Dibromoethane
524.2		Water	1,3,5-Trimethylbenzene
524.2		Water	1,3-Dichlorobenzene
524.2		Water	1,3-Dichloropropane
524.2		Water	1-Chlorobutane
524.2		Water	2,2-Dichloropropane
524.2		Water	2-Butanone
524.2		Water	2-Chlorotoluene
524.2		Water	2-Hexanone
524.2		Water	2-Nitropropane
524.2		Water	4-Chlorotoluene
524.2		Water	4-Methyl-2-pentanone
524.2		Water	Acetone
524.2		Water	Acrylonitrile
524.2		Water	Allyl chloride
524.2		Water	Bromobenzene
524.2		Water	Bromochloromethane
524.2		Water	Bromomethane
524.2		Water	Carbon disulfide
524.2		Water	Chloroacetonitrile
524.2		Water	Chloroethane
524.2		Water	Chloromethane
524.2		Water	cis-1,3-Dichloropropene

Client: ARCADIS U.S., Inc.
Job ID: 410-77038-1
Project/Site: 14489 - North East, MD

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
524.2		Water	Dibromomethane
524.2		Water	Dichlorodifluoromethane
524.2		Water	Ethyl ether
524.2		Water	Ethyl methacrylate
524.2		Water	Hexachlorobutadiene
524.2		Water	Hexachloroethane
524.2		Water	Isopropylbenzene
524.2		Water	m&p-Xylene
524.2		Water	Methacrylonitrile
524.2		Water	Methyl acrylate
524.2		Water	Methyl iodide
524.2		Water	Methyl methacrylate
524.2		Water	Methyl tertiary butyl ether
524.2		Water	Naphthalene
524.2		Water	n-Butylbenzene
524.2		Water	Nitrobenzene
524.2		Water	N-Propylbenzene
524.2		Water	o-Xylene
524.2		Water	Pentachloroethane
524.2		Water	p-Isopropyltoluene
524.2		Water	Propionitrile
524.2		Water	sec-Butylbenzene
524.2		Water	t-Butyl alcohol
524.2		Water	tert-Butylbenzene
524.2		Water	Tetrahydrofuran
524.2		Water	trans-1,3-Dichloropropene
524.2		Water	trans-1,4-Dichloro-2-butene
524.2		Water	Trichlorofluoromethane

Method Summary

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

Job ID: 410-77038-1

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

Protocol References:

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

Laboratory References:

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: 410-77038-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-77038-1	259-Influent-W-220321	Drinking Water	03/21/22 13:00	03/22/22 11:11
410-77038-2	259-Midfluent-W-220321	Drinking Water	03/21/22 13:05	03/22/22 11:11
410-77038-3	259-Effluent-W-220321	Drinking Water	03/21/22 13:10	03/22/22 11:11
410-77038-7	Trip Blank	Water	03/21/22 00:00	03/22/22 11:11

410-77038 Chain of Custody

...nv, LLC

Chain of Custody Record

eurofins Environment Testing America

Courtney Pitman	Sampler: Andy Feild	Lab PM: Moeller, Megan	Carrier Tracking No(s):	COC No: 410-51467-14406 1
Company: ARCADIS U S., Inc.	Phone: 443 354 0186	E-Mail: Megan.Moeller@eurofinset.com	State of Origin: Maryland	Page: Page 1 of 1
Address: 295 Woodcliff Drive, Suite 301	PWSID:	Analysis Requested		Job #:
City: Fairport	Due Date Requested: Standard			Preservation Codes:
State, Zip: NY, 14450	TAT Requested (days): Normal			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Phone: 281-355-3653(Tel)	Compliance Project: Δ Yes Δ No			
Email: courtney.pitman@arcadis.com	PO #: 30067154			Other:
Project Name: 14489 - North East, MD	WO #:			
Site: Maryland	Project #: 41002408			
	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)	SMSD (Yes or No)	Perform	524.2_Preserved - Rev 4 + TBA	Total Number of containers	Special Instructions/Note:
			Preservation Code:					HA		
259 - Influent - W - 220321	3/21/22	1300	G	W	N	N		3		
259 - Midfluent - W - 220321		1305								
259 - Effluent - W - 220321		1310								
261 - Influent - W - 220321		1330								
261 - Midfluent - W - 220321		1335								
261 - Effluent - W - 220321	3/21/22	1340	G	W	N	N		3		
Trip Blank	-	-	-	-				2		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Joell	Date/Time: 3/16/22 11:30	Company: ELE	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time: 3/21/22 1600	Company: ANA	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 3/22/22 11:11	Company: ELE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No:	Cooler Temperature(s) °C and Other Remarks: 0.5

CL

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc. Job Number: 410-77038-1

Login Number: 77038 **List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
List Number: 1
Creator: Leakway, Christian

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 is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=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.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
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	

Mr. Thomas Murtaugh
Ms. Melissa Arnold-Murtaugh
261 Old Bayview Road
North East, Maryland 21901

Date: May 2, 2022
Our Ref: 30067154
Subject: Potable Well Sampling Results

Arcadis U.S., Inc.
2839 Paces Ferry Road
Suite 900
Atlanta
Georgia 30339
Phone: 770 431 8666
Fax: 770 435 2666
www.arcadis.com

Dear Mr. Murtaugh and Ms. Arnold-Murtaugh,

Thank you for your cooperation in allowing Arcadis U.S., Inc. (Arcadis), on behalf of ExxonMobil Environmental and Property Solutions Company (E&PS), to sample your potable water well on March 21, 2022. The samples were obtained to maintain compliance with the Maryland Department of the Environment (MDE) as part of an ongoing environmental groundwater investigation at Former ExxonMobil Facility #14489 located at 285 Old Bayview Road, North East, Cecil County, Maryland.

During sampling activities, water samples were collected at three points from your granular activated carbon (GAC) point of entry treatment (POET) system as follows: 1) before the GAC units (Influent), 2) between the GAC units (Midfluent), and 3) after the GAC units (Effluent). Water samples from each point were collected and analyzed separately for full list volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 524.2.

The results of the March 21, 2022, potable well sampling indicated the following:

- Influent: The dissolved-phase concentration of methyl tertiary-butyl ether (MTBE) was detected above the minimum laboratory detection limit and respective MDE Generic Numeric Cleanup Standard. The dissolved-phase concentration of tertiary-Butyl Alcohol (TBA) was also detected above the minimum laboratory detection limit.
- Midfluent: The dissolved-phase concentration of TBA was detected above the minimum laboratory detection limit.
- Effluent: The dissolved-phase concentration of TBA was detected above the minimum laboratory detection limit.

The next quarterly GAC POET system sampling event is scheduled for June 2022. Arcadis will contact you in advance of the sampling date to confirm that access to the GAC POET system can be granted.

Mr. Thomas Murtaugh and Ms. Melissa Arnold-Murtaugh
May 2, 2022

Thank you for your cooperation. If you have any questions regarding the sampling results or investigation in your area, please contact Ms. Kelley Sharpe (Arcadis) at 770.384.6584, Ms. Susan Bull (MDE) at 410.537.3499, or Ms. Jewel Cox (E&PS) at 201.341.4687.

Sincerely,
Arcadis U.S., Inc.

Kelley Sharpe
Project Manager

Email: Kelley.Sharpe@arcadis.com
Direct Line: 770.384.6584

CC. Ms. Jewel Cox, E&PS; Ms. Susan Bull, MDE; File

Enclosures:
Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-77038-2
Client Project/Site: 14489 - North East, MD

For:
ARCADIS U.S., Inc.
2839 Paces Ferry Road SE
Suite 900
Atlanta, Georgia 30339

Attn: Ms. Kelley Sharpe

Authorized for release by:
4/18/2022 6:35:40 PM

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

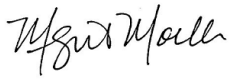
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.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



Megan Moeller
Client Services Manager
4/18/2022 6:35:40 PM

Table of Contents

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Job ID: 410-77038-2
Project/Site: 14489 - North East, MD

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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

Job ID: 410-77038-2

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-77038-2

Receipt
The samples were received on 3/22/2022 11:11 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 0.5°C

GC/MS VOA
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: 410-77038-2

Client Sample ID: 261-Influent-W-220321 — Lab Sample ID: 410-77038-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	21		0.50		ug/L	1		524.2	Total/NA
t-Butyl alcohol	35		25		ug/L	1		524.2	Total/NA

Client Sample ID: 261-Midfluent-W-220321 — Lab Sample ID: 410-77038-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
t-Butyl alcohol	35		25		ug/L	1		524.2	Total/NA

Client Sample ID: 261-Effluent-W-220321 — Lab Sample ID: 410-77038-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
t-Butyl alcohol	32		25		ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-77038-2

Client Sample ID: 261-Influent-W-220321
Date Collected: 03/21/22 13:30
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-4
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,1-Dichloroethane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,1-Dichloroethene	<0.50		0.50		ug/L			03/23/22 13:22	1
1,1-Dichloropropanone	<50		50		ug/L			03/23/22 13:22	1
1,1-Dichloropropene	<0.50		0.50		ug/L			03/23/22 13:22	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			03/23/22 13:22	1
1,2-Dibromoethane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
1,2-Dichloroethane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
1,3-Dichloropropane	<0.50		0.50		ug/L			03/23/22 13:22	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
1-Chlorobutane	<0.50		0.50		ug/L			03/23/22 13:22	1
2,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 13:22	1
2-Butanone	<5.0		5.0		ug/L			03/23/22 13:22	1
2-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 13:22	1
2-Hexanone	<5.0		5.0		ug/L			03/23/22 13:22	1
2-Nitropropane	<53		53		ug/L			03/23/22 13:22	1
4-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 13:22	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			03/23/22 13:22	1
Acetone	<10		10		ug/L			03/23/22 13:22	1
Acrylonitrile	<10		10		ug/L			03/23/22 13:22	1
Allyl chloride	<0.50		0.50		ug/L			03/23/22 13:22	1
Benzene	<0.50		0.50		ug/L			03/23/22 13:22	1
Bromobenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
Bromochloromethane	<0.50		0.50		ug/L			03/23/22 13:22	1
Bromodichloromethane	<0.50		0.50		ug/L			03/23/22 13:22	1
Bromoform	<0.50		0.50		ug/L			03/23/22 13:22	1
Bromomethane	<0.50		0.50		ug/L			03/23/22 13:22	1
Carbon disulfide	<2.0		2.0		ug/L			03/23/22 13:22	1
Carbon tetrachloride	<0.50		0.50		ug/L			03/23/22 13:22	1
Chloroacetonitrile	<50		50		ug/L			03/23/22 13:22	1
Chlorobenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
Chloroethane	<0.50		0.50		ug/L			03/23/22 13:22	1
Chloroform	<0.50		0.50		ug/L			03/23/22 13:22	1
Chloromethane	<0.50		0.50		ug/L			03/23/22 13:22	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 13:22	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 13:22	1
Dibromochloromethane	<0.50		0.50		ug/L			03/23/22 13:22	1
Dibromomethane	<0.50		0.50		ug/L			03/23/22 13:22	1

Client Sample ID: 261-Influent-W-220321
Date Collected: 03/21/22 13:30
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-4
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			03/23/22 13:22	1
Ethyl ether	<0.50		0.50		ug/L			03/23/22 13:22	1
Ethyl methacrylate	<0.50		0.50		ug/L			03/23/22 13:22	1
Ethylbenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
Hexachlorobutadiene	<0.50		0.50		ug/L			03/23/22 13:22	1
Hexachloroethane	<0.50		0.50		ug/L			03/23/22 13:22	1
Isopropylbenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
m&p-Xylene	<1.0		1.0		ug/L			03/23/22 13:22	1
Methacrylonitrile	<5.0		5.0		ug/L			03/23/22 13:22	1
Methyl acrylate	<5.0		5.0		ug/L			03/23/22 13:22	1
Methyl iodide	<0.50		0.50		ug/L			03/23/22 13:22	1
Methyl methacrylate	<0.50		0.50		ug/L			03/23/22 13:22	1
Methyl tertiary butyl ether	**21**		0.50		ug/L			03/23/22 13:22	1
Methylene Chloride	<0.50		0.50		ug/L			03/23/22 13:22	1
Naphthalene	<0.50		0.50		ug/L			03/23/22 13:22	1
n-Butylbenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
N-Propylbenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
Nitrobenzene	<50		50		ug/L			03/23/22 13:22	1
o-Xylene	<0.50		0.50		ug/L			03/23/22 13:22	1
Pentachloroethane	<0.50		0.50		ug/L			03/23/22 13:22	1
Propionitrile	<10		10		ug/L			03/23/22 13:22	1
p-Isopropyltoluene	<0.50		0.50		ug/L			03/23/22 13:22	1
sec-Butylbenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
Styrene	<0.50		0.50		ug/L			03/23/22 13:22	1
Tetrachloroethene	<0.50		0.50		ug/L			03/23/22 13:22	1
Tetrahydrofuran	<7.0		7.0		ug/L			03/23/22 13:22	1
tert-Butylbenzene	<0.50		0.50		ug/L			03/23/22 13:22	1
Toluene	<0.50		0.50		ug/L			03/23/22 13:22	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 13:22	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 13:22	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			03/23/22 13:22	1
t-Butyl alcohol	**35**		25		ug/L			03/23/22 13:22	1
Trichloroethene	<0.50		0.50		ug/L			03/23/22 13:22	1
Trichlorofluoromethane	<0.50		0.50		ug/L			03/23/22 13:22	1
Vinyl chloride	<0.50		0.50		ug/L			03/23/22 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*97*		*80 - 120*		*03/23/22 13:22*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/23/22 13:22*	*1*

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

Job ID: 410-77038-2

Client Sample ID: 261-Midfluent-W-220321
Date Collected: 03/21/22 13:35
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-5
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,1-Dichloroethane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,1-Dichloroethene	<0.50		0.50		ug/L			03/23/22 13:45	1
1,1-Dichloropropanone	<50		50		ug/L			03/23/22 13:45	1
1,1-Dichloropropene	<0.50		0.50		ug/L			03/23/22 13:45	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			03/23/22 13:45	1
1,2-Dibromoethane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
1,2-Dichloroethane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
1,3-Dichloropropane	<0.50		0.50		ug/L			03/23/22 13:45	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
1-Chlorobutane	<0.50		0.50		ug/L			03/23/22 13:45	1
2,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 13:45	1
2-Butanone	<5.0		5.0		ug/L			03/23/22 13:45	1
2-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 13:45	1
2-Hexanone	<5.0		5.0		ug/L			03/23/22 13:45	1
2-Nitropropane	<53		53		ug/L			03/23/22 13:45	1
4-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 13:45	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			03/23/22 13:45	1
Acetone	<10		10		ug/L			03/23/22 13:45	1
Acrylonitrile	<10		10		ug/L			03/23/22 13:45	1
Allyl chloride	<0.50		0.50		ug/L			03/23/22 13:45	1
Benzene	<0.50		0.50		ug/L			03/23/22 13:45	1
Bromobenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
Bromochloromethane	<0.50		0.50		ug/L			03/23/22 13:45	1
Bromodichloromethane	<0.50		0.50		ug/L			03/23/22 13:45	1
Bromoform	<0.50		0.50		ug/L			03/23/22 13:45	1
Bromomethane	<0.50		0.50		ug/L			03/23/22 13:45	1
Carbon disulfide	<2.0		2.0		ug/L			03/23/22 13:45	1
Carbon tetrachloride	<0.50		0.50		ug/L			03/23/22 13:45	1
Chloroacetonitrile	<50		50		ug/L			03/23/22 13:45	1
Chlorobenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
Chloroethane	<0.50		0.50		ug/L			03/23/22 13:45	1
Chloroform	<0.50		0.50		ug/L			03/23/22 13:45	1
Chloromethane	<0.50		0.50		ug/L			03/23/22 13:45	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 13:45	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 13:45	1
Dibromochloromethane	<0.50		0.50		ug/L			03/23/22 13:45	1
Dibromomethane	<0.50		0.50		ug/L			03/23/22 13:45	1

Client Sample ID: 261-Midfluent-W-220321
Date Collected: 03/21/22 13:35
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-5
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			03/23/22 13:45	1
Ethyl ether	<0.50		0.50		ug/L			03/23/22 13:45	1
Ethyl methacrylate	<0.50		0.50		ug/L			03/23/22 13:45	1
Ethylbenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
Hexachlorobutadiene	<0.50		0.50		ug/L			03/23/22 13:45	1
Hexachloroethane	<0.50		0.50		ug/L			03/23/22 13:45	1
Isopropylbenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
m&p-Xylene	<1.0		1.0		ug/L			03/23/22 13:45	1
Methacrylonitrile	<5.0		5.0		ug/L			03/23/22 13:45	1
Methyl acrylate	<5.0		5.0		ug/L			03/23/22 13:45	1
Methyl iodide	<0.50		0.50		ug/L			03/23/22 13:45	1
Methyl methacrylate	<0.50		0.50		ug/L			03/23/22 13:45	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			03/23/22 13:45	1
Methylene Chloride	<0.50		0.50		ug/L			03/23/22 13:45	1
Naphthalene	<0.50		0.50		ug/L			03/23/22 13:45	1
n-Butylbenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
N-Propylbenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
Nitrobenzene	<50		50		ug/L			03/23/22 13:45	1
o-Xylene	<0.50		0.50		ug/L			03/23/22 13:45	1
Pentachloroethane	<0.50		0.50		ug/L			03/23/22 13:45	1
Propionitrile	<10		10		ug/L			03/23/22 13:45	1
p-Isopropyltoluene	<0.50		0.50		ug/L			03/23/22 13:45	1
sec-Butylbenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
Styrene	<0.50		0.50		ug/L			03/23/22 13:45	1
Tetrachloroethene	<0.50		0.50		ug/L			03/23/22 13:45	1
Tetrahydrofuran	<7.0		7.0		ug/L			03/23/22 13:45	1
tert-Butylbenzene	<0.50		0.50		ug/L			03/23/22 13:45	1
Toluene	<0.50		0.50		ug/L			03/23/22 13:45	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 13:45	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 13:45	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			03/23/22 13:45	1
t-Butyl alcohol	**35**		25		ug/L			03/23/22 13:45	1
Trichloroethene	<0.50		0.50		ug/L			03/23/22 13:45	1
Trichlorofluoromethane	<0.50		0.50		ug/L			03/23/22 13:45	1
Vinyl chloride	<0.50		0.50		ug/L			03/23/22 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*97*		*80 - 120*		*03/23/22 13:45*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/23/22 13:45*	*1*

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

Job ID: 410-77038-2

Client Sample ID: 261-Effluent-W-220321
Date Collected: 03/21/22 13:40
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-6
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,1-Dichloroethane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,1-Dichloroethene	<0.50		0.50		ug/L			03/23/22 14:09	1
1,1-Dichloropropanone	<50		50		ug/L			03/23/22 14:09	1
1,1-Dichloropropene	<0.50		0.50		ug/L			03/23/22 14:09	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			03/23/22 14:09	1
1,2-Dibromoethane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
1,2-Dichloroethane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
1,3-Dichloropropane	<0.50		0.50		ug/L			03/23/22 14:09	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
1-Chlorobutane	<0.50		0.50		ug/L			03/23/22 14:09	1
2,2-Dichloropropane	<0.50		0.50		ug/L			03/23/22 14:09	1
2-Butanone	<5.0		5.0		ug/L			03/23/22 14:09	1
2-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 14:09	1
2-Hexanone	<5.0		5.0		ug/L			03/23/22 14:09	1
2-Nitropropane	<53		53		ug/L			03/23/22 14:09	1
4-Chlorotoluene	<0.50		0.50		ug/L			03/23/22 14:09	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			03/23/22 14:09	1
Acetone	<10		10		ug/L			03/23/22 14:09	1
Acrylonitrile	<10		10		ug/L			03/23/22 14:09	1
Allyl chloride	<0.50		0.50		ug/L			03/23/22 14:09	1
Benzene	<0.50		0.50		ug/L			03/23/22 14:09	1
Bromobenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
Bromochloromethane	<0.50		0.50		ug/L			03/23/22 14:09	1
Bromodichloromethane	<0.50		0.50		ug/L			03/23/22 14:09	1
Bromoform	<0.50		0.50		ug/L			03/23/22 14:09	1
Bromomethane	<0.50		0.50		ug/L			03/23/22 14:09	1
Carbon disulfide	<2.0		2.0		ug/L			03/23/22 14:09	1
Carbon tetrachloride	<0.50		0.50		ug/L			03/23/22 14:09	1
Chloroacetonitrile	<50		50		ug/L			03/23/22 14:09	1
Chlorobenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
Chloroethane	<0.50		0.50		ug/L			03/23/22 14:09	1
Chloroform	<0.50		0.50		ug/L			03/23/22 14:09	1
Chloromethane	<0.50		0.50		ug/L			03/23/22 14:09	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 14:09	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 14:09	1
Dibromochloromethane	<0.50		0.50		ug/L			03/23/22 14:09	1
Dibromomethane	<0.50		0.50		ug/L			03/23/22 14:09	1

Client Sample ID: 261-Effluent-W-220321
Date Collected: 03/21/22 13:40
Date Received: 03/22/22 11:11

Lab Sample ID: 410-77038-6
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			03/23/22 14:09	1
Ethyl ether	<0.50		0.50		ug/L			03/23/22 14:09	1
Ethyl methacrylate	<0.50		0.50		ug/L			03/23/22 14:09	1
Ethylbenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
Hexachlorobutadiene	<0.50		0.50		ug/L			03/23/22 14:09	1
Hexachloroethane	<0.50		0.50		ug/L			03/23/22 14:09	1
Isopropylbenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
m&p-Xylene	<1.0		1.0		ug/L			03/23/22 14:09	1
Methacrylonitrile	<5.0		5.0		ug/L			03/23/22 14:09	1
Methyl acrylate	<5.0		5.0		ug/L			03/23/22 14:09	1
Methyl iodide	<0.50		0.50		ug/L			03/23/22 14:09	1
Methyl methacrylate	<0.50		0.50		ug/L			03/23/22 14:09	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			03/23/22 14:09	1
Methylene Chloride	<0.50		0.50		ug/L			03/23/22 14:09	1
Naphthalene	<0.50		0.50		ug/L			03/23/22 14:09	1
n-Butylbenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
N-Propylbenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
Nitrobenzene	<50		50		ug/L			03/23/22 14:09	1
o-Xylene	<0.50		0.50		ug/L			03/23/22 14:09	1
Pentachloroethane	<0.50		0.50		ug/L			03/23/22 14:09	1
Propionitrile	<10		10		ug/L			03/23/22 14:09	1
p-Isopropyltoluene	<0.50		0.50		ug/L			03/23/22 14:09	1
sec-Butylbenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
Styrene	<0.50		0.50		ug/L			03/23/22 14:09	1
Tetrachloroethene	<0.50		0.50		ug/L			03/23/22 14:09	1
Tetrahydrofuran	<7.0		7.0		ug/L			03/23/22 14:09	1
tert-Butylbenzene	<0.50		0.50		ug/L			03/23/22 14:09	1
Toluene	<0.50		0.50		ug/L			03/23/22 14:09	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			03/23/22 14:09	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			03/23/22 14:09	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			03/23/22 14:09	1
t-Butyl alcohol	**32**		25		ug/L			03/23/22 14:09	1
Trichloroethene	<0.50		0.50		ug/L			03/23/22 14:09	1
Trichlorofluoromethane	<0.50		0.50		ug/L			03/23/22 14:09	1
Vinyl chloride	<0.50		0.50		ug/L			03/23/22 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*80 - 120*		*03/23/22 14:09*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/23/22 14:09*	*1*

Surrogate Summary

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

Job ID: 410-77038-2

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

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		DCZ	BFB								
Lab Sample ID	Client Sample ID	(80-120)	(80-120)								
410-77038-4	261-Influent-W-220321	97	93								
410-77038-5	261-Midfluent-W-220321	97	94								
410-77038-6	261-Effluent-W-220321	95	93								

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC Association Summary

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

Job ID: 410-77038-2

GC/MS VOA

Analysis Batch: 236700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-77038-4	261-Influent-W-220321	Total/NA	Drinking Water	524.2	
410-77038-5	261-Midfluent-W-220321	Total/NA	Drinking Water	524.2	
410-77038-6	261-Effluent-W-220321	Total/NA	Drinking Water	524.2	

Lab Chronicle

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

Job ID: 410-77038-2

Client Sample ID: 261-Influent-W-220321

Lab Sample ID: 410-77038-4

Date Collected: 03/21/22 13:30

Matrix: Drinking Water

Date Received: 03/22/22 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	236700	03/23/22 13:22	USEJ	ELLE

Client Sample ID: 261-Midfluent-W-220321

Lab Sample ID: 410-77038-5

Date Collected: 03/21/22 13:35

Matrix: Drinking Water

Date Received: 03/22/22 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	236700	03/23/22 13:45	USEJ	ELLE

Client Sample ID: 261-Effluent-W-220321

Lab Sample ID: 410-77038-6

Date Collected: 03/21/22 13:40

Matrix: Drinking Water

Date Received: 03/22/22 11:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	236700	03/23/22 14:09	USEJ	ELLE

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.
Job ID: 410-77038-2
Project/Site: 14489 - North East, MD

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	06-30-22

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
524.2		Drinking Water	1,1,1,2-Tetrachloroethane
524.2		Drinking Water	1,1,2,2-Tetrachloroethane
524.2		Drinking Water	1,1-Dichloroethane
524.2		Drinking Water	1,1-Dichloropropanone
524.2		Drinking Water	1,1-Dichloropropene
524.2		Drinking Water	1,2,3-Trichlorobenzene
524.2		Drinking Water	1,2,3-Trichloropropane
524.2		Drinking Water	1,2,4-Trimethylbenzene
524.2		Drinking Water	1,2-Dibromo-3-Chloropropane
524.2		Drinking Water	1,2-Dibromoethane
524.2		Drinking Water	1,3,5-Trimethylbenzene
524.2		Drinking Water	1,3-Dichlorobenzene
524.2		Drinking Water	1,3-Dichloropropane
524.2		Drinking Water	1-Chlorobutane
524.2		Drinking Water	2,2-Dichloropropane
524.2		Drinking Water	2-Butanone
524.2		Drinking Water	2-Chlorotoluene
524.2		Drinking Water	2-Hexanone
524.2		Drinking Water	2-Nitropropane
524.2		Drinking Water	4-Chlorotoluene
524.2		Drinking Water	4-Methyl-2-pentanone
524.2		Drinking Water	Acetone
524.2		Drinking Water	Acrylonitrile
524.2		Drinking Water	Allyl chloride
524.2		Drinking Water	Bromobenzene
524.2		Drinking Water	Bromochloromethane
524.2		Drinking Water	Bromomethane
524.2		Drinking Water	Carbon disulfide
524.2		Drinking Water	Chloroacetonitrile
524.2		Drinking Water	Chloroethane
524.2		Drinking Water	Chloromethane
524.2		Drinking Water	cis-1,3-Dichloropropene
524.2		Drinking Water	Dibromomethane
524.2		Drinking Water	Dichlorodifluoromethane
524.2		Drinking Water	Ethyl ether
524.2		Drinking Water	Ethyl methacrylate
524.2		Drinking Water	Hexachlorobutadiene
524.2		Drinking Water	Hexachloroethane
524.2		Drinking Water	Isopropylbenzene
524.2		Drinking Water	m&p-Xylene
524.2		Drinking Water	Methacrylonitrile
524.2		Drinking Water	Methyl acrylate
524.2		Drinking Water	Methyl iodide
524.2		Drinking Water	Methyl methacrylate
524.2		Drinking Water	Methyl tertiary butyl ether

Client: ARCADIS U.S., Inc.
Job ID: 410-77038-2
Project/Site: 14489 - North East, MD

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
524.2		Drinking Water	Naphthalene
524.2		Drinking Water	n-Butylbenzene
524.2		Drinking Water	Nitrobenzene
524.2		Drinking Water	N-Propylbenzene
524.2		Drinking Water	o-Xylene
524.2		Drinking Water	Pentachloroethane
524.2		Drinking Water	p-Isopropyltoluene
524.2		Drinking Water	Propionitrile
524.2		Drinking Water	sec-Butylbenzene
524.2		Drinking Water	t-Butyl alcohol
524.2		Drinking Water	tert-Butylbenzene
524.2		Drinking Water	Tetrahydrofuran
524.2		Drinking Water	trans-1,3-Dichloropropene
524.2		Drinking Water	trans-1,4-Dichloro-2-butene
524.2		Drinking Water	Trichlorofluoromethane

Method Summary

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

Job ID: 410-77038-2

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

Protocol References:

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

Laboratory References:

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: 410-77038-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-77038-4	261-Influent-W-220321	Drinking Water	03/21/22 13:30	03/22/22 11:11
410-77038-5	261-Midfluent-W-220321	Drinking Water	03/21/22 13:35	03/22/22 11:11
410-77038-6	261-Effluent-W-220321	Drinking Water	03/21/22 13:40	03/22/22 11:11

410-77038 Chain of Custody

Env, LLC

Chain of Custody Record

eurofins Environment Testing America

Client Contact: Courtney Pitman	Sampler: Andy Feild	Lab PM: Moeller, Megan	Carrier Tracking No(s):	COC No: 410-51467-14406.1
	Phone: 4433540186	E-Mail: Megan.Moeller@eurofinset.com	State of Origin: Maryland	Page: Page 1 of 1
Company: ARCADIS U.S., Inc.	PWSID:	Analysis Requested		Job #:
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested: Standard			
City: Fairport	TAT Requested (days): Normal			
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No			
Phone: 281-355-3653(Tel)	PO #: 30067154			
Email: courtney.pitman@arcadis.com	WO #:			
Project Name: 14489 - North East, MD	Project #: 41002408			
Site: Maryland	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2_Preserved - Rev 4 + TBA	Total Number of containers	Special Instructions/Note:
			Preservation Code:				HA		
259 - Influent - W - 220321	3/21/22	1300	G	W	N	N	3		
259 - Midfluent - W - 220321	|	1305	|	|			|		
259 - Effluent - W - 220321	|	1310	|	|			|		
261 - Influent - W - 220321	|	1330	|	|			|		
261 - Midfluent - W - 220321		1335	|	|			|		
261 - Effluent - W - 220321	3/21/22	1340	G	W	N	N	3		
Trip Blank	–	–	–	–			2		

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	3/16/22 11:50	ELLE			
[signature]	3/21/22 1600	ANA			
			[signature]	3/22/22 11:11	ELLE

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.5

Ver: 06/08/2021

CL

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc. Job Number: 410-77038-2

Login Number: 77038 **List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
List Number: 1
Creator: Leakway, Christian

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 is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=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.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
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	

APPENDIX B

Second Quarter Potable Well Results Letters with Laboratory Analytical Report and Chain-of-Custody

Mr. Charles Broomall
259 Old Bayview Road
North East, Maryland 21901

Date: July 19, 2022
Our Ref: 30067154
Subject: Potable Well Sampling Results

Arcadis U.S., Inc.
2839 Paces Ferry Road
Suite 900
Atlanta
Georgia 30339
Phone: 770 431 8666
Fax: 770 435 2666
www.arcadis.com

Dear Mr. Broomall,

Thank you for your cooperation in allowing Arcadis U.S., Inc. (Arcadis), on behalf of ExxonMobil Environmental and Property Solutions Company (E&PS), to sample your potable water well on June 16, 2022. The samples were obtained to maintain compliance with the Maryland Department of the Environment (MDE) as part of an ongoing environmental groundwater investigation at Former ExxonMobil Facility #14489 located at 285 Old Bayview Road, North East, Cecil County, Maryland.

During sampling activities, water samples were collected at three points from your point of entry treatment (POET) system as follows: 1) before the granular activated carbon (GAC) units (Influent), 2) between the GAC units (Midfluent), and 3) after the GAC units (Effluent). The Effluent water is the water that passes through the household taps/showers, etc. Water samples from each point were collected and analyzed separately for full list volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 524.2.

The results of the June 16, 2022, potable well sampling indicated the following:

- Influent: The dissolved-phase concentration of methyl tertiary-butyl ether (MTBE) was detected above the minimum laboratory detection limit and respective MDE Generic Numeric Cleanup Standard. The dissolved-phase concentration of tertiary-Butyl Alcohol (TBA) was also detected above the minimum laboratory detection limit.
- Midfluent: The dissolved-phase concentration of TBA was detected above the minimum laboratory detection limit.
- Effluent: The dissolved-phase concentration of TBA was detected above the minimum laboratory detection limit.

The next quarterly GAC POET system sampling event is scheduled for September 2022. Arcadis will contact you in advance of the sampling date to confirm that access to the GAC POET system can be granted.

Mr. Charles Broomall
July 19, 2022

Thank you for your cooperation. If you have any questions regarding the sampling results or investigation in your area, please contact Ms. Kelley Sharpe (Arcadis) at 770.384.6584, Ms. Susan Bull (MDE) at 410.537.3499, or Ms. Regan O'Brien (E&PS) at 978.727.6265.

Sincerely,
Arcadis U.S., Inc.

Kelley Sharpe
Project Manager

Email: Kelley.Sharpe@arcadis.com
Direct Line: 770.384.6584

CC. Ms. Regan O'Brien, E&PS; Ms. Susan Bull, MDE; File

Enclosures:
Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-87978-1
Client Project/Site: 14489 - North East, MD

For:
ARCADIS U.S., Inc.
2839 Paces Ferry Road SE
Suite 900
Atlanta, Georgia 30339

Attn: Ms. Kelley Sharpe

Authorized for release by:
6/28/2022 7:58:18 AM

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

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.

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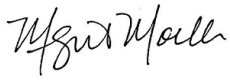


Megan Moeller
Client Services Manager
6/28/2022 7:58:18 AM

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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

Job ID: 410-87978-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-87978-1

Receipt

The samples were received on 6/17/2022 8:44 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 1.6°C

GC/MS VOA

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: 410-87978-1

Client Sample ID: 259-Influent-W-220616 — Lab Sample ID: 410-87978-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	50		0.50		ug/L	1		524.2	Total/NA
t-Butyl alcohol	67		25		ug/L	1		524.2	Total/NA

Client Sample ID: 259-Midfluent-W-220616 — Lab Sample ID: 410-87978-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
t-Butyl alcohol	72		25		ug/L	1		524.2	Total/NA

Client Sample ID: 259-Effluent-W-220616 — Lab Sample ID: 410-87978-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
t-Butyl alcohol	34		25		ug/L	1		524.2	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 410-87978-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	34		10		ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-87978-1

Client Sample ID: 259-Influent-W-220616
Date Collected: 06/16/22 14:00
Date Received: 06/17/22 08:44

Lab Sample ID: 410-87978-1
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/20/22 17:27	1
1,1-Dichloropropanone	<50		50		ug/L			06/20/22 17:27	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/20/22 17:27	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/20/22 17:27	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/20/22 17:27	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
1-Chlorobutane	<0.50		0.50		ug/L			06/20/22 17:27	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 17:27	1
2-Butanone	<5.0		5.0		ug/L			06/20/22 17:27	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 17:27	1
2-Hexanone	<5.0		5.0		ug/L			06/20/22 17:27	1
2-Nitropropane	<53		53		ug/L			06/20/22 17:27	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 17:27	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/20/22 17:27	1
Acetone	<10		10		ug/L			06/20/22 17:27	1
Acrylonitrile	<10		10		ug/L			06/20/22 17:27	1
Allyl chloride	<0.50		0.50		ug/L			06/20/22 17:27	1
Benzene	<0.50		0.50		ug/L			06/20/22 17:27	1
Bromobenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
Bromochloromethane	<0.50		0.50		ug/L			06/20/22 17:27	1
Bromodichloromethane	<0.50		0.50		ug/L			06/20/22 17:27	1
Bromoform	<0.50		0.50		ug/L			06/20/22 17:27	1
Bromomethane	<0.50		0.50		ug/L			06/20/22 17:27	1
Carbon disulfide	<2.0		2.0		ug/L			06/20/22 17:27	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/20/22 17:27	1
Chloroacetonitrile	<50		50		ug/L			06/20/22 17:27	1
Chlorobenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
Chloroethane	<0.50		0.50		ug/L			06/20/22 17:27	1
Chloroform	<0.50		0.50		ug/L			06/20/22 17:27	1
Chloromethane	<0.50		0.50		ug/L			06/20/22 17:27	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 17:27	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 17:27	1
Dibromochloromethane	<0.50		0.50		ug/L			06/20/22 17:27	1
Dibromomethane	<0.50		0.50		ug/L			06/20/22 17:27	1

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

Job ID: 410-87978-1

Client Sample ID: 259-Influent-W-220616
Date Collected: 06/16/22 14:00
Date Received: 06/17/22 08:44

Lab Sample ID: 410-87978-1
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/20/22 17:27	1
Ethyl ether	<0.50		0.50		ug/L			06/20/22 17:27	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/20/22 17:27	1
Ethylbenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/20/22 17:27	1
Hexachloroethane	<0.50		0.50		ug/L			06/20/22 17:27	1
Isopropylbenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
m&p-Xylene	<1.0		1.0		ug/L			06/20/22 17:27	1
Methacrylonitrile	<5.0		5.0		ug/L			06/20/22 17:27	1
Methyl acrylate	<5.0		5.0		ug/L			06/20/22 17:27	1
Methyl iodide	<0.50		0.50		ug/L			06/20/22 17:27	1
Methyl methacrylate	<0.50		0.50		ug/L			06/20/22 17:27	1
Methyl tertiary butyl ether	**50**		0.50		ug/L			06/20/22 17:27	1
Methylene Chloride	<0.50		0.50		ug/L			06/20/22 17:27	1
Naphthalene	<0.50		0.50		ug/L			06/20/22 17:27	1
n-Butylbenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
N-Propylbenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
Nitrobenzene	<50		50		ug/L			06/20/22 17:27	1
o-Xylene	<0.50		0.50		ug/L			06/20/22 17:27	1
Pentachloroethane	<0.50		0.50		ug/L			06/20/22 17:27	1
Propionitrile	<10		10		ug/L			06/20/22 17:27	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/20/22 17:27	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
Styrene	<0.50		0.50		ug/L			06/20/22 17:27	1
Tetrachloroethene	<0.50		0.50		ug/L			06/20/22 17:27	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/20/22 17:27	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/20/22 17:27	1
Toluene	<0.50		0.50		ug/L			06/20/22 17:27	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 17:27	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 17:27	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/20/22 17:27	1
t-Butyl alcohol	**67**		25		ug/L			06/20/22 17:27	1
Trichloroethene	<0.50		0.50		ug/L			06/20/22 17:27	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/20/22 17:27	1
Vinyl chloride	<0.50		0.50		ug/L			06/20/22 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*92*		*80 - 120*		*06/20/22 17:27*	*1*
4-Bromofluorobenzene (Surr)	*85*		*80 - 120*		*06/20/22 17:27*	*1*

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

Job ID: 410-87978-1

Client Sample ID: 259-Midfluent-W-220616
Date Collected: 06/16/22 14:05
Date Received: 06/17/22 08:44

Lab Sample ID: 410-87978-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/20/22 17:51	1
1,1-Dichloropropanone	<50		50		ug/L			06/20/22 17:51	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/20/22 17:51	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/20/22 17:51	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/20/22 17:51	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
1-Chlorobutane	<0.50		0.50		ug/L			06/20/22 17:51	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 17:51	1
2-Butanone	<5.0		5.0		ug/L			06/20/22 17:51	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 17:51	1
2-Hexanone	<5.0		5.0		ug/L			06/20/22 17:51	1
2-Nitropropane	<53		53		ug/L			06/20/22 17:51	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 17:51	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/20/22 17:51	1
Acetone	<10		10		ug/L			06/20/22 17:51	1
Acrylonitrile	<10		10		ug/L			06/20/22 17:51	1
Allyl chloride	<0.50		0.50		ug/L			06/20/22 17:51	1
Benzene	<0.50		0.50		ug/L			06/20/22 17:51	1
Bromobenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
Bromochloromethane	<0.50		0.50		ug/L			06/20/22 17:51	1
Bromodichloromethane	<0.50		0.50		ug/L			06/20/22 17:51	1
Bromoform	<0.50		0.50		ug/L			06/20/22 17:51	1
Bromomethane	<0.50		0.50		ug/L			06/20/22 17:51	1
Carbon disulfide	<2.0		2.0		ug/L			06/20/22 17:51	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/20/22 17:51	1
Chloroacetonitrile	<50		50		ug/L			06/20/22 17:51	1
Chlorobenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
Chloroethane	<0.50		0.50		ug/L			06/20/22 17:51	1
Chloroform	<0.50		0.50		ug/L			06/20/22 17:51	1
Chloromethane	<0.50		0.50		ug/L			06/20/22 17:51	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 17:51	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 17:51	1
Dibromochloromethane	<0.50		0.50		ug/L			06/20/22 17:51	1
Dibromomethane	<0.50		0.50		ug/L			06/20/22 17:51	1

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

Job ID: 410-87978-1

Client Sample ID: 259-Midfluent-W-220616
Date Collected: 06/16/22 14:05
Date Received: 06/17/22 08:44

Lab Sample ID: 410-87978-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/20/22 17:51	1
Ethyl ether	<0.50		0.50		ug/L			06/20/22 17:51	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/20/22 17:51	1
Ethylbenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/20/22 17:51	1
Hexachloroethane	<0.50		0.50		ug/L			06/20/22 17:51	1
Isopropylbenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
m&p-Xylene	<1.0		1.0		ug/L			06/20/22 17:51	1
Methacrylonitrile	<5.0		5.0		ug/L			06/20/22 17:51	1
Methyl acrylate	<5.0		5.0		ug/L			06/20/22 17:51	1
Methyl iodide	<0.50		0.50		ug/L			06/20/22 17:51	1
Methyl methacrylate	<0.50		0.50		ug/L			06/20/22 17:51	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/20/22 17:51	1
Methylene Chloride	<0.50		0.50		ug/L			06/20/22 17:51	1
Naphthalene	<0.50		0.50		ug/L			06/20/22 17:51	1
n-Butylbenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
N-Propylbenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
Nitrobenzene	<50		50		ug/L			06/20/22 17:51	1
o-Xylene	<0.50		0.50		ug/L			06/20/22 17:51	1
Pentachloroethane	<0.50		0.50		ug/L			06/20/22 17:51	1
Propionitrile	<10		10		ug/L			06/20/22 17:51	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/20/22 17:51	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
Styrene	<0.50		0.50		ug/L			06/20/22 17:51	1
Tetrachloroethene	<0.50		0.50		ug/L			06/20/22 17:51	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/20/22 17:51	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/20/22 17:51	1
Toluene	<0.50		0.50		ug/L			06/20/22 17:51	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 17:51	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 17:51	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/20/22 17:51	1
t-Butyl alcohol	**72**		25		ug/L			06/20/22 17:51	1
Trichloroethene	<0.50		0.50		ug/L			06/20/22 17:51	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/20/22 17:51	1
Vinyl chloride	<0.50		0.50		ug/L			06/20/22 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*80 - 120*		*06/20/22 17:51*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*06/20/22 17:51*	*1*

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

Job ID: 410-87978-1

Client Sample ID: 259-Effluent-W-220616
Date Collected: 06/16/22 14:10
Date Received: 06/17/22 08:44

Lab Sample ID: 410-87978-3
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/20/22 18:14	1
1,1-Dichloropropanone	<50		50		ug/L			06/20/22 18:14	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/20/22 18:14	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/20/22 18:14	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/20/22 18:14	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
1-Chlorobutane	<0.50		0.50		ug/L			06/20/22 18:14	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 18:14	1
2-Butanone	<5.0		5.0		ug/L			06/20/22 18:14	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 18:14	1
2-Hexanone	<5.0		5.0		ug/L			06/20/22 18:14	1
2-Nitropropane	<53		53		ug/L			06/20/22 18:14	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 18:14	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/20/22 18:14	1
Acetone	<10		10		ug/L			06/20/22 18:14	1
Acrylonitrile	<10		10		ug/L			06/20/22 18:14	1
Allyl chloride	<0.50		0.50		ug/L			06/20/22 18:14	1
Benzene	<0.50		0.50		ug/L			06/20/22 18:14	1
Bromobenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
Bromochloromethane	<0.50		0.50		ug/L			06/20/22 18:14	1
Bromodichloromethane	<0.50		0.50		ug/L			06/20/22 18:14	1
Bromoform	<0.50		0.50		ug/L			06/20/22 18:14	1
Bromomethane	<0.50		0.50		ug/L			06/20/22 18:14	1
Carbon disulfide	<2.0		2.0		ug/L			06/20/22 18:14	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/20/22 18:14	1
Chloroacetonitrile	<50		50		ug/L			06/20/22 18:14	1
Chlorobenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
Chloroethane	<0.50		0.50		ug/L			06/20/22 18:14	1
Chloroform	<0.50		0.50		ug/L			06/20/22 18:14	1
Chloromethane	<0.50		0.50		ug/L			06/20/22 18:14	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 18:14	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 18:14	1
Dibromochloromethane	<0.50		0.50		ug/L			06/20/22 18:14	1
Dibromomethane	<0.50		0.50		ug/L			06/20/22 18:14	1

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

Job ID: 410-87978-1

Client Sample ID: 259-Effluent-W-220616
Date Collected: 06/16/22 14:10
Date Received: 06/17/22 08:44

Lab Sample ID: 410-87978-3
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/20/22 18:14	1
Ethyl ether	<0.50		0.50		ug/L			06/20/22 18:14	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/20/22 18:14	1
Ethylbenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/20/22 18:14	1
Hexachloroethane	<0.50		0.50		ug/L			06/20/22 18:14	1
Isopropylbenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
m&p-Xylene	<1.0		1.0		ug/L			06/20/22 18:14	1
Methacrylonitrile	<5.0		5.0		ug/L			06/20/22 18:14	1
Methyl acrylate	<5.0		5.0		ug/L			06/20/22 18:14	1
Methyl iodide	<0.50		0.50		ug/L			06/20/22 18:14	1
Methyl methacrylate	<0.50		0.50		ug/L			06/20/22 18:14	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/20/22 18:14	1
Methylene Chloride	<0.50		0.50		ug/L			06/20/22 18:14	1
Naphthalene	<0.50		0.50		ug/L			06/20/22 18:14	1
n-Butylbenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
N-Propylbenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
Nitrobenzene	<50		50		ug/L			06/20/22 18:14	1
o-Xylene	<0.50		0.50		ug/L			06/20/22 18:14	1
Pentachloroethane	<0.50		0.50		ug/L			06/20/22 18:14	1
Propionitrile	<10		10		ug/L			06/20/22 18:14	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/20/22 18:14	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
Styrene	<0.50		0.50		ug/L			06/20/22 18:14	1
Tetrachloroethene	<0.50		0.50		ug/L			06/20/22 18:14	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/20/22 18:14	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/20/22 18:14	1
Toluene	<0.50		0.50		ug/L			06/20/22 18:14	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 18:14	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 18:14	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/20/22 18:14	1
t-Butyl alcohol	**34**		25		ug/L			06/20/22 18:14	1
Trichloroethene	<0.50		0.50		ug/L			06/20/22 18:14	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/20/22 18:14	1
Vinyl chloride	<0.50		0.50		ug/L			06/20/22 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*80 - 120*		*06/20/22 18:14*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*06/20/22 18:14*	*1*

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

Job ID: 410-87978-1

Client Sample ID: Trip Blank
Date Collected: 06/16/22 00:00
Date Received: 06/17/22 08:44

Lab Sample ID: 410-87978-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/20/22 17:04	1
1,1-Dichloropropanone	<50		50		ug/L			06/20/22 17:04	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/20/22 17:04	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/20/22 17:04	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/20/22 17:04	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
1-Chlorobutane	<0.50		0.50		ug/L			06/20/22 17:04	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 17:04	1
2-Butanone	<5.0		5.0		ug/L			06/20/22 17:04	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 17:04	1
2-Hexanone	<5.0		5.0		ug/L			06/20/22 17:04	1
2-Nitropropane	<53		53		ug/L			06/20/22 17:04	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 17:04	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/20/22 17:04	1
Acetone	**34**		10		ug/L			06/20/22 17:04	1
Acrylonitrile	<10		10		ug/L			06/20/22 17:04	1
Allyl chloride	<0.50		0.50		ug/L			06/20/22 17:04	1
Benzene	<0.50		0.50		ug/L			06/20/22 17:04	1
Bromobenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
Bromochloromethane	<0.50		0.50		ug/L			06/20/22 17:04	1
Bromodichloromethane	<0.50		0.50		ug/L			06/20/22 17:04	1
Bromoform	<0.50		0.50		ug/L			06/20/22 17:04	1
Bromomethane	<0.50		0.50		ug/L			06/20/22 17:04	1
Carbon disulfide	<2.0		2.0		ug/L			06/20/22 17:04	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/20/22 17:04	1
Chloroacetonitrile	<50		50		ug/L			06/20/22 17:04	1
Chlorobenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
Chloroethane	<0.50		0.50		ug/L			06/20/22 17:04	1
Chloroform	<0.50		0.50		ug/L			06/20/22 17:04	1
Chloromethane	<0.50		0.50		ug/L			06/20/22 17:04	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 17:04	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 17:04	1
Dibromochloromethane	<0.50		0.50		ug/L			06/20/22 17:04	1
Dibromomethane	<0.50		0.50		ug/L			06/20/22 17:04	1

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

Job ID: 410-87978-1

Client Sample ID: Trip Blank
Date Collected: 06/16/22 00:00
Date Received: 06/17/22 08:44

Lab Sample ID: 410-87978-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/20/22 17:04	1
Ethyl ether	<0.50		0.50		ug/L			06/20/22 17:04	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/20/22 17:04	1
Ethylbenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/20/22 17:04	1
Hexachloroethane	<0.50		0.50		ug/L			06/20/22 17:04	1
Isopropylbenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
m&p-Xylene	<1.0		1.0		ug/L			06/20/22 17:04	1
Methacrylonitrile	<5.0		5.0		ug/L			06/20/22 17:04	1
Methyl acrylate	<5.0		5.0		ug/L			06/20/22 17:04	1
Methyl iodide	<0.50		0.50		ug/L			06/20/22 17:04	1
Methyl methacrylate	<0.50		0.50		ug/L			06/20/22 17:04	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/20/22 17:04	1
Methylene Chloride	<0.50		0.50		ug/L			06/20/22 17:04	1
Naphthalene	<0.50		0.50		ug/L			06/20/22 17:04	1
n-Butylbenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
N-Propylbenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
Nitrobenzene	<50		50		ug/L			06/20/22 17:04	1
o-Xylene	<0.50		0.50		ug/L			06/20/22 17:04	1
Pentachloroethane	<0.50		0.50		ug/L			06/20/22 17:04	1
Propionitrile	<10		10		ug/L			06/20/22 17:04	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/20/22 17:04	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
Styrene	<0.50		0.50		ug/L			06/20/22 17:04	1
Tetrachloroethene	<0.50		0.50		ug/L			06/20/22 17:04	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/20/22 17:04	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/20/22 17:04	1
Toluene	<0.50		0.50		ug/L			06/20/22 17:04	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 17:04	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 17:04	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/20/22 17:04	1
t-Butyl alcohol	<25		25		ug/L			06/20/22 17:04	1
Trichloroethene	<0.50		0.50		ug/L			06/20/22 17:04	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/20/22 17:04	1
Vinyl chloride	<0.50		0.50		ug/L			06/20/22 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*80 - 120*		*06/20/22 17:04*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*06/20/22 17:04*	*1*

Surrogate Summary

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

Job ID: 410-87978-1

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

Matrix: Drinking Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		DCZ	BFB										
Lab Sample ID	Client Sample ID	(80-120)	(80-120)										
410-87978-1	259-Influent-W-220616	92	85										
410-87978-2	259-Midfluent-W-220616	94	88										
410-87978-3	259-Effluent-W-220616	94	86										
LCS 410-267238/4	Lab Control Sample	103	104										
MB 410-267238/6	Method Blank	92	92										

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		DCZ	BFB										
Lab Sample ID	Client Sample ID	(80-120)	(80-120)										
410-87978-4	Trip Blank	94	88										

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 410-267238/6
Matrix: Drinking Water
Analysis Batch: 267238

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			06/20/22 11:16	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/20/22 11:16	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/20/22 11:16	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/20/22 11:16	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/20/22 11:16	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/20/22 11:16	1
1,1-Dichloropropanone	<50		50		ug/L			06/20/22 11:16	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/20/22 11:16	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/20/22 11:16	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/20/22 11:16	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/20/22 11:16	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/20/22 11:16	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 11:16	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/20/22 11:16	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
1-Chlorobutane	<0.50		0.50		ug/L			06/20/22 11:16	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/20/22 11:16	1
2-Butanone	<5.0		5.0		ug/L			06/20/22 11:16	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 11:16	1
2-Hexanone	<5.0		5.0		ug/L			06/20/22 11:16	1
2-Nitropropane	<53		53		ug/L			06/20/22 11:16	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/20/22 11:16	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/20/22 11:16	1
Acetone	<10		10		ug/L			06/20/22 11:16	1
Acrylonitrile	<10		10		ug/L			06/20/22 11:16	1
Allyl chloride	<0.50		0.50		ug/L			06/20/22 11:16	1
Benzene	<0.50		0.50		ug/L			06/20/22 11:16	1
Bromobenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
Bromochloromethane	<0.50		0.50		ug/L			06/20/22 11:16	1
Bromodichloromethane	<0.50		0.50		ug/L			06/20/22 11:16	1
Bromoform	<0.50		0.50		ug/L			06/20/22 11:16	1
Bromomethane	<0.50		0.50		ug/L			06/20/22 11:16	1
Carbon disulfide	<2.0		2.0		ug/L			06/20/22 11:16	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/20/22 11:16	1
Chloroacetonitrile	<50		50		ug/L			06/20/22 11:16	1
Chlorobenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
Chloroethane	<0.50		0.50		ug/L			06/20/22 11:16	1
Chloroform	<0.50		0.50		ug/L			06/20/22 11:16	1
Chloromethane	<0.50		0.50		ug/L			06/20/22 11:16	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 11:16	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 11:16	1
Dibromochloromethane	<0.50		0.50		ug/L			06/20/22 11:16	1

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

Lab Sample ID: MB 410-267238/6
Matrix: Drinking Water
Analysis Batch: 267238

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	<0.50		0.50		ug/L			06/20/22 11:16	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/20/22 11:16	1
Ethyl ether	<0.50		0.50		ug/L			06/20/22 11:16	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/20/22 11:16	1
Ethylbenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/20/22 11:16	1
Hexachloroethane	<0.50		0.50		ug/L			06/20/22 11:16	1
Isopropylbenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
m&p-Xylene	<1.0		1.0		ug/L			06/20/22 11:16	1
Methacrylonitrile	<5.0		5.0		ug/L			06/20/22 11:16	1
Methyl acrylate	<5.0		5.0		ug/L			06/20/22 11:16	1
Methyl iodide	<0.50		0.50		ug/L			06/20/22 11:16	1
Methyl methacrylate	<0.50		0.50		ug/L			06/20/22 11:16	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/20/22 11:16	1
Methylene Chloride	<0.50		0.50		ug/L			06/20/22 11:16	1
Naphthalene	<0.50		0.50		ug/L			06/20/22 11:16	1
n-Butylbenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
N-Propylbenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
Nitrobenzene	<50		50		ug/L			06/20/22 11:16	1
o-Xylene	<0.50		0.50		ug/L			06/20/22 11:16	1
Pentachloroethane	<0.50		0.50		ug/L			06/20/22 11:16	1
Propionitrile	<10		10		ug/L			06/20/22 11:16	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/20/22 11:16	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
Styrene	<0.50		0.50		ug/L			06/20/22 11:16	1
Tetrachloroethene	<0.50		0.50		ug/L			06/20/22 11:16	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/20/22 11:16	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/20/22 11:16	1
Toluene	<0.50		0.50		ug/L			06/20/22 11:16	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/20/22 11:16	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/20/22 11:16	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/20/22 11:16	1
t-Butyl alcohol	<25		25		ug/L			06/20/22 11:16	1
Trichloroethene	<0.50		0.50		ug/L			06/20/22 11:16	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/20/22 11:16	1
Vinyl chloride	<0.50		0.50		ug/L			06/20/22 11:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*92*		*80 - 120*		*06/20/22 11:16*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*06/20/22 11:16*	*1*

Lab Sample ID: LCS 410-267238/4
Matrix: Drinking Water
Analysis Batch: 267238

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	4.67		ug/L		93	70 - 130		
1,1,1-Trichloroethane			5.00	4.30		ug/L		86	70 - 130		

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

Lab Sample ID: LCS 410-267238/4
Matrix: Drinking Water
Analysis Batch: 267238

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	5.00	4.41		ug/L		88	70 - 130
1,1,2-Trichloroethane	5.00	4.45		ug/L		89	70 - 130
1,1-Dichloroethane	5.00	4.43		ug/L		89	70 - 130
1,1-Dichloroethene	5.00	4.86		ug/L		97	70 - 130
1,1-Dichloropropanone	500	469		ug/L		94	70 - 130
1,1-Dichloropropene	5.00	4.49		ug/L		90	70 - 130
1,2,3-Trichlorobenzene	5.00	4.30		ug/L		86	70 - 130
1,2,3-Trichloropropane	5.00	4.36		ug/L		87	70 - 130
1,2,4-Trichlorobenzene	5.00	4.29		ug/L		86	70 - 130
1,2,4-Trimethylbenzene	5.00	4.53		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.12		ug/L		82	70 - 130
1,2-Dibromoethane	5.00	4.39		ug/L		88	70 - 130
1,2-Dichlorobenzene	5.00	4.68		ug/L		94	70 - 130
1,2-Dichloroethane	5.00	4.21		ug/L		84	70 - 130
1,2-Dichloropropane	5.00	4.54		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	5.00	4.51		ug/L		90	70 - 130
1,3-Dichlorobenzene	5.00	4.72		ug/L		94	70 - 130
1,3-Dichloropropane	5.00	4.38		ug/L		88	70 - 130
1,4-Dichlorobenzene	5.00	4.83		ug/L		97	70 - 130
1-Chlorobutane	5.00	4.28		ug/L		86	70 - 130
2,2-Dichloropropane	5.00	4.35		ug/L		87	70 - 130
2-Butanone	62.5	52.8		ug/L		84	70 - 130
2-Chlorotoluene	5.00	4.60		ug/L		92	70 - 130
2-Hexanone	62.5	52.5		ug/L		84	70 - 130
2-Nitropropane	505	413		ug/L		82	70 - 130
4-Chlorotoluene	5.00	4.74		ug/L		95	70 - 130
4-Methyl-2-pentanone	62.5	52.7		ug/L		84	70 - 130
Acetone	62.5	51.8		ug/L		83	70 - 130
Acrylonitrile	113	100		ug/L		89	70 - 130
Allyl chloride	5.00	4.54		ug/L		91	70 - 130
Benzene	5.00	4.54		ug/L		91	70 - 130
Bromobenzene	5.00	4.88		ug/L		98	70 - 130
Bromochloromethane	5.00	4.79		ug/L		96	70 - 130
Bromodichloromethane	5.00	4.49		ug/L		90	70 - 130
Bromoform	5.00	4.97		ug/L		99	70 - 130
Bromomethane	2.00	1.95		ug/L		98	70 - 130
Carbon disulfide	5.00	5.02		ug/L		100	70 - 130
Carbon tetrachloride	5.00	4.50		ug/L		90	70 - 130
Chloroacetonitrile	250	240		ug/L		96	70 - 130
Chlorobenzene	5.00	4.78		ug/L		96	70 - 130
Chloroethane	2.00	2.00		ug/L		100	70 - 130
Chloroform	5.00	4.44		ug/L		89	70 - 130
Chloromethane	2.00	2.05		ug/L		103	70 - 130
cis-1,2-Dichloroethene	5.00	4.61		ug/L		92	70 - 130
cis-1,3-Dichloropropene	5.00	4.19		ug/L		84	70 - 130
Dibromochloromethane	5.00	4.62		ug/L		92	70 - 130
Dibromomethane	5.00	4.45		ug/L		89	70 - 130
Dichlorodifluoromethane	2.00	2.08		ug/L		104	70 - 130
Ethyl ether	5.00	4.56		ug/L		91	70 - 130

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

Lab Sample ID: LCS 410-267238/4
Matrix: Drinking Water
Analysis Batch: 267238

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethyl methacrylate	5.00	3.93		ug/L		79	70 - 130
Ethylbenzene	5.00	4.62		ug/L		92	70 - 130
Hexachlorobutadiene	5.00	4.77		ug/L		95	70 - 130
Hexachloroethane	5.00	4.95		ug/L		99	70 - 130
Isopropylbenzene	5.00	4.58		ug/L		92	70 - 130
m&p-Xylene	10.0	9.40		ug/L		94	70 - 130
Methacrylonitrile	37.5	32.3		ug/L		86	70 - 130
Methyl acrylate	25.0	21.3		ug/L		85	70 - 130
Methyl iodide	5.00	5.08		ug/L		102	70 - 130
Methyl methacrylate	5.00	4.08		ug/L		82	70 - 130
Methyl tertiary butyl ether	5.00	4.32		ug/L		86	70 - 130
Methylene Chloride	5.00	5.29		ug/L		106	70 - 130
Naphthalene	5.00	3.75		ug/L		75	70 - 130
n-Butylbenzene	5.00	4.45		ug/L		89	70 - 130
N-Propylbenzene	5.00	4.59		ug/L		92	70 - 130
Nitrobenzene	250	281		ug/L		112	70 - 130
o-Xylene	5.00	4.34		ug/L		87	70 - 130
Pentachloroethane	5.00	4.79		ug/L		96	70 - 130
Propionitrile	100	87.5		ug/L		88	70 - 130
p-Isopropyltoluene	5.00	4.59		ug/L		92	70 - 130
sec-Butylbenzene	5.00	4.63		ug/L		93	70 - 130
Styrene	5.00	4.72		ug/L		94	70 - 130
Tetrachloroethene	5.00	4.80		ug/L		96	70 - 130
Tetrahydrofuran	46.9	38.3		ug/L		82	70 - 130
tert-Butylbenzene	5.00	4.69		ug/L		94	70 - 130
Toluene	5.00	4.55		ug/L		91	70 - 130
trans-1,2-Dichloroethene	5.00	4.59		ug/L		92	70 - 130
trans-1,3-Dichloropropene	5.00	4.24		ug/L		85	70 - 130
trans-1,4-Dichloro-2-butene	25.0	21.9		ug/L		88	70 - 130
t-Butyl alcohol	50.0	41.8		ug/L		84	70 - 130
Trichloroethene	5.00	4.42		ug/L		88	70 - 130
Trichlorofluoromethane	2.00	1.96		ug/L		98	70 - 130
Vinyl chloride	2.00	1.93		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

QC Association Summary

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

Job ID: 410-87978-1

GC/MS VOA

Analysis Batch: 267238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-87978-1	259-Influent-W-220616	Total/NA	Drinking Water	524.2	
410-87978-2	259-Midfluent-W-220616	Total/NA	Drinking Water	524.2	
410-87978-3	259-Effluent-W-220616	Total/NA	Drinking Water	524.2	
410-87978-4	Trip Blank	Total/NA	Water	524.2	
MB 410-267238/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-267238/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Job ID: 410-87978-1
Project/Site: 14489 - North East, MD

Client Sample ID: 259-Influent-W-220616
Lab Sample ID: 410-87978-1
Date Collected: 06/16/22 14:00
Matrix: Drinking Water
Date Received: 06/17/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	267238	06/20/22 17:27	UJML	ELLE

Client Sample ID: 259-Midfluent-W-220616
Lab Sample ID: 410-87978-2
Date Collected: 06/16/22 14:05
Matrix: Drinking Water
Date Received: 06/17/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	267238	06/20/22 17:51	UJML	ELLE

Client Sample ID: 259-Effluent-W-220616
Lab Sample ID: 410-87978-3
Date Collected: 06/16/22 14:10
Matrix: Drinking Water
Date Received: 06/17/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	267238	06/20/22 18:14	UJML	ELLE

Client Sample ID: Trip Blank
Lab Sample ID: 410-87978-4
Date Collected: 06/16/22 00:00
Matrix: Water
Date Received: 06/17/22 08:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	267238	06/20/22 17:04	UJML	ELLE

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.
Job ID: 410-87978-1
Project/Site: 14489 - North East, MD

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	06-30-23

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
524.2		Drinking Water	1,1,1,2-Tetrachloroethane
524.2		Drinking Water	1,1,2,2-Tetrachloroethane
524.2		Drinking Water	1,1-Dichloroethane
524.2		Drinking Water	1,1-Dichloropropanone
524.2		Drinking Water	1,1-Dichloropropene
524.2		Drinking Water	1,2,3-Trichlorobenzene
524.2		Drinking Water	1,2,3-Trichloropropane
524.2		Drinking Water	1,2,4-Trimethylbenzene
524.2		Drinking Water	1,2-Dibromo-3-Chloropropane
524.2		Drinking Water	1,2-Dibromoethane
524.2		Drinking Water	1,3,5-Trimethylbenzene
524.2		Drinking Water	1,3-Dichlorobenzene
524.2		Drinking Water	1,3-Dichloropropane
524.2		Drinking Water	1-Chlorobutane
524.2		Drinking Water	2,2-Dichloropropane
524.2		Drinking Water	2-Butanone
524.2		Drinking Water	2-Chlorotoluene
524.2		Drinking Water	2-Hexanone
524.2		Drinking Water	2-Nitropropane
524.2		Drinking Water	4-Chlorotoluene
524.2		Drinking Water	4-Methyl-2-pentanone
524.2		Drinking Water	Acetone
524.2		Drinking Water	Acrylonitrile
524.2		Drinking Water	Allyl chloride
524.2		Drinking Water	Bromobenzene
524.2		Drinking Water	Bromochloromethane
524.2		Drinking Water	Bromomethane
524.2		Drinking Water	Carbon disulfide
524.2		Drinking Water	Chloroacetonitrile
524.2		Drinking Water	Chloroethane
524.2		Drinking Water	Chloromethane
524.2		Drinking Water	cis-1,3-Dichloropropene
524.2		Drinking Water	Dibromomethane
524.2		Drinking Water	Dichlorodifluoromethane
524.2		Drinking Water	Ethyl ether
524.2		Drinking Water	Ethyl methacrylate
524.2		Drinking Water	Hexachlorobutadiene
524.2		Drinking Water	Hexachloroethane
524.2		Drinking Water	Isopropylbenzene
524.2		Drinking Water	m&p-Xylene
524.2		Drinking Water	Methacrylonitrile
524.2		Drinking Water	Methyl acrylate
524.2		Drinking Water	Methyl iodide
524.2		Drinking Water	Methyl methacrylate
524.2		Drinking Water	Methyl tertiary butyl ether

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
524.2		Drinking Water	Naphthalene
524.2		Drinking Water	n-Butylbenzene
524.2		Drinking Water	Nitrobenzene
524.2		Drinking Water	N-Propylbenzene
524.2		Drinking Water	o-Xylene
524.2		Drinking Water	Pentachloroethane
524.2		Drinking Water	p-Isopropyltoluene
524.2		Drinking Water	Propionitrile
524.2		Drinking Water	sec-Butylbenzene
524.2		Drinking Water	t-Butyl alcohol
524.2		Drinking Water	tert-Butylbenzene
524.2		Drinking Water	Tetrahydrofuran
524.2		Drinking Water	trans-1,3-Dichloropropene
524.2		Drinking Water	trans-1,4-Dichloro-2-butene
524.2		Drinking Water	Trichlorofluoromethane
524.2		Water	1,1,1,2-Tetrachloroethane
524.2		Water	1,1,2,2-Tetrachloroethane
524.2		Water	1,1-Dichloroethane
524.2		Water	1,1-Dichloropropanone
524.2		Water	1,1-Dichloropropene
524.2		Water	1,2,3-Trichlorobenzene
524.2		Water	1,2,3-Trichloropropane
524.2		Water	1,2,4-Trimethylbenzene
524.2		Water	1,2-Dibromo-3-Chloropropane
524.2		Water	1,2-Dibromoethane
524.2		Water	1,3,5-Trimethylbenzene
524.2		Water	1,3-Dichlorobenzene
524.2		Water	1,3-Dichloropropane
524.2		Water	1-Chlorobutane
524.2		Water	2,2-Dichloropropane
524.2		Water	2-Butanone
524.2		Water	2-Chlorotoluene
524.2		Water	2-Hexanone
524.2		Water	2-Nitropropane
524.2		Water	4-Chlorotoluene
524.2		Water	4-Methyl-2-pentanone
524.2		Water	Acetone
524.2		Water	Acrylonitrile
524.2		Water	Allyl chloride
524.2		Water	Bromobenzene
524.2		Water	Bromochloromethane
524.2		Water	Bromomethane
524.2		Water	Carbon disulfide
524.2		Water	Chloroacetonitrile
524.2		Water	Chloroethane
524.2		Water	Chloromethane
524.2		Water	cis-1,3-Dichloropropene

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
524.2		Water	Dibromomethane
524.2		Water	Dichlorodifluoromethane
524.2		Water	Ethyl ether
524.2		Water	Ethyl methacrylate
524.2		Water	Hexachlorobutadiene
524.2		Water	Hexachloroethane
524.2		Water	Isopropylbenzene
524.2		Water	m&p-Xylene
524.2		Water	Methacrylonitrile
524.2		Water	Methyl acrylate
524.2		Water	Methyl iodide
524.2		Water	Methyl methacrylate
524.2		Water	Methyl tertiary butyl ether
524.2		Water	Naphthalene
524.2		Water	n-Butylbenzene
524.2		Water	Nitrobenzene
524.2		Water	N-Propylbenzene
524.2		Water	o-Xylene
524.2		Water	Pentachloroethane
524.2		Water	p-Isopropyltoluene
524.2		Water	Propionitrile
524.2		Water	sec-Butylbenzene
524.2		Water	t-Butyl alcohol
524.2		Water	tert-Butylbenzene
524.2		Water	Tetrahydrofuran
524.2		Water	trans-1,3-Dichloropropene
524.2		Water	trans-1,4-Dichloro-2-butene
524.2		Water	Trichlorofluoromethane

Method Summary

Client: ARCADIS U.S., Inc.
Job ID: 410-87978-1
Project/Site: 14489 - North East, MD

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

Protocol References:

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

Laboratory References:

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: 410-87978-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-87978-1	259-Influent-W-220616	Drinking Water	06/16/22 14:00	06/17/22 08:44
410-87978-2	259-Midfluent-W-220616	Drinking Water	06/16/22 14:05	06/17/22 08:44
410-87978-3	259-Effluent-W-220616	Drinking Water	06/16/22 14:10	06/17/22 08:44
410-87978-4	Trip Blank	Water	06/16/22 00:00	06/17/22 08:44

Eurofins Lancaster Laboratories Environme

2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-87978 Chain of Custody

Client Information	Sampler: Andy Feild	Lab PM: Moeller, Megan	Carrier:
Client Contact: Courtney Pitman	Phone: 443/354 0186	E-Mail: Megan.Moeller@et.eurofinsus.com	State: Maryland
Company: ARCADIS U S., Inc.	PWSID:	Analysis Requested	Job #:
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested: Standard		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
City: Fairport	TAT Requested (days): Normal		
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No		
Phone: 281-355-3653(Tel)	PO #: 30067154		Other:
Email: courtney.pitman@arcadis.com	WO #:		
Project Name: 14489 - North East, MD	Project #: 41002408		
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)	524.2_Preserved - Rev 4 + TBA	Total Number of containers	Special Instructions/Note:
			Preservation Code:			HA		
259-Influent-W-220616	6/16/22	1400	G	W	N	3		
259-Midfluent-W-220616	6/16/22	1405	G	W	N	3		
259-Effluent-W-220616	6/16/22	1410	G	W	N	3		
Trip Blank	—	—	—	W	N	3		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 6/16/22 1630	Company: ANA	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/17/22 0844	Company		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.6

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 410-87978-1

Login Number: 87978

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Jeremiah, Cory T

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 is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=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.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
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	

Mr. Thomas Murtaugh
Ms. Melissa Arnold-Murtaugh
261 Old Bayview Road
North East, Maryland 21901

Date: July 19, 2022
Our Ref: 30067154
Subject: Potable Well Sampling Results

Arcadis U.S., Inc.
2839 Paces Ferry Road
Suite 900
Atlanta
Georgia 30339
Phone: 770 431 8666
Fax: 770 435 2666
www.arcadis.com

Dear Mr. Murtaugh and Ms. Arnold-Murtaugh,

Thank you for your cooperation in allowing Arcadis U.S., Inc. (Arcadis), on behalf of ExxonMobil Environmental and Property Solutions Company (E&PS), to sample your potable water well on June 16, 2022. The samples were obtained to maintain compliance with the Maryland Department of the Environment (MDE) as part of an ongoing environmental groundwater investigation at Former ExxonMobil Facility #14489 located at 285 Old Bayview Road, North East, Cecil County, Maryland.

During sampling activities, water samples were collected at three points from your granular activated carbon (GAC) point of entry treatment (POET) system as follows: 1) before the GAC units (Influent), 2) between the GAC units (Midfluent), and 3) after the GAC units (Effluent). Water samples from each point were collected and analyzed separately for full list volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 524.2.

The results of the June 16, 2022, potable well sampling indicated the following:

- Influent: The dissolved-phase concentration of methyl tertiary-butyl ether (MTBE) was detected above the minimum laboratory detection limit. The dissolved-phase concentration of tertiary-Butyl Alcohol (TBA) was also detected above the minimum laboratory detection limit.
- Midfluent: The dissolved-phase concentration of TBA was detected above the minimum laboratory detection limit.
- Effluent: The dissolved-phase concentration of TBA was detected above the minimum laboratory detection limit.

The next quarterly GAC POET system sampling event is scheduled for September 2022. Arcadis will contact you in advance of the sampling date to confirm that access to the GAC POET system can be granted.

Mr. Thomas Murtaugh and Ms. Melissa Arnold-Murtaugh
July 19, 2022

Thank you for your cooperation. If you have any questions regarding the sampling results or investigation in your area, please contact Ms. Kelley Sharpe (Arcadis) at 770.384.6584, Ms. Susan Bull (MDE) at 410.537.3499, or Ms. Regan O'Brien (E&PS) at 978.727.6265.

Sincerely,
Arcadis U.S., Inc.

Kelley Sharpe
Project Manager

Email: Kelley.Sharpe@arcadis.com
Direct Line: 770.384.6584

CC. Ms. Regan O'Brien, E&PS; Ms. Susan Bull, MDE; File

Enclosures:
Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-87989-1
Client Project/Site: 14489 - North East, MD

For:
ARCADIS U.S., Inc.
2839 Paces Ferry Road SE
Suite 900
Atlanta, Georgia 30339

Attn: Ms. Kelley Sharpe

Authorized for release by:
6/22/2022 7:28:20 PM

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

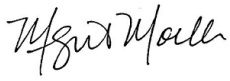
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.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



Megan Moeller
Client Services Manager
6/22/2022 7:28:20 PM

Table of Contents

Client: ARCADIS U.S., Inc.
Job ID: 410-87989-1
Project/Site: 14489 - North East, MD

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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

Job ID: 410-87989-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-87989-1

Receipt

The samples were received on 6/17/2022 8:29 PM. 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 0.9°C

GC/MS VOA

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: 410-87989-1

Client Sample ID: 261-Influent-W-220616 — Lab Sample ID: 410-87989-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	20		0.50		ug/L	1		524.2	Total/NA
t-Butyl alcohol	33		25		ug/L	1		524.2	Total/NA

Client Sample ID: 261-Midfluent-W-220616 — Lab Sample ID: 410-87989-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
t-Butyl alcohol	39		25		ug/L	1		524.2	Total/NA

Client Sample ID: 261-Effluent-W-220616 — Lab Sample ID: 410-87989-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
t-Butyl alcohol	41		25		ug/L	1		524.2	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 410-87989-4

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-87989-1

Client Sample ID: 261-Influent-W-220616
Date Collected: 06/16/22 14:30
Date Received: 06/17/22 20:29

Lab Sample ID: 410-87989-1
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/21/22 12:48	1
1,1-Dichloropropanone	<50		50		ug/L			06/21/22 12:48	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/21/22 12:48	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/21/22 12:48	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/21/22 12:48	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
1-Chlorobutane	<0.50		0.50		ug/L			06/21/22 12:48	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 12:48	1
2-Butanone	<5.0		5.0		ug/L			06/21/22 12:48	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 12:48	1
2-Hexanone	<5.0		5.0		ug/L			06/21/22 12:48	1
2-Nitropropane	<53		53		ug/L			06/21/22 12:48	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 12:48	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/21/22 12:48	1
Acetone	<10		10		ug/L			06/21/22 12:48	1
Acrylonitrile	<10		10		ug/L			06/21/22 12:48	1
Allyl chloride	<0.50		0.50		ug/L			06/21/22 12:48	1
Benzene	<0.50		0.50		ug/L			06/21/22 12:48	1
Bromobenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
Bromochloromethane	<0.50		0.50		ug/L			06/21/22 12:48	1
Bromodichloromethane	<0.50		0.50		ug/L			06/21/22 12:48	1
Bromoform	<0.50		0.50		ug/L			06/21/22 12:48	1
Bromomethane	<0.50		0.50		ug/L			06/21/22 12:48	1
Carbon disulfide	<2.0		2.0		ug/L			06/21/22 12:48	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/21/22 12:48	1
Chloroacetonitrile	<50		50		ug/L			06/21/22 12:48	1
Chlorobenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
Chloroethane	<0.50		0.50		ug/L			06/21/22 12:48	1
Chloroform	<0.50		0.50		ug/L			06/21/22 12:48	1
Chloromethane	<0.50		0.50		ug/L			06/21/22 12:48	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 12:48	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 12:48	1
Dibromochloromethane	<0.50		0.50		ug/L			06/21/22 12:48	1
Dibromomethane	<0.50		0.50		ug/L			06/21/22 12:48	1

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

Job ID: 410-87989-1

Client Sample ID: 261-Influent-W-220616
Date Collected: 06/16/22 14:30
Date Received: 06/17/22 20:29

Lab Sample ID: 410-87989-1
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/21/22 12:48	1
Ethyl ether	<0.50		0.50		ug/L			06/21/22 12:48	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/21/22 12:48	1
Ethylbenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/21/22 12:48	1
Hexachloroethane	<0.50		0.50		ug/L			06/21/22 12:48	1
Isopropylbenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
m&p-Xylene	<1.0		1.0		ug/L			06/21/22 12:48	1
Methacrylonitrile	<5.0		5.0		ug/L			06/21/22 12:48	1
Methyl acrylate	<5.0		5.0		ug/L			06/21/22 12:48	1
Methyl iodide	<0.50		0.50		ug/L			06/21/22 12:48	1
Methyl methacrylate	<0.50		0.50		ug/L			06/21/22 12:48	1
Methyl tertiary butyl ether	**20**		0.50		ug/L			06/21/22 12:48	1
Methylene Chloride	<0.50		0.50		ug/L			06/21/22 12:48	1
Naphthalene	<0.50		0.50		ug/L			06/21/22 12:48	1
n-Butylbenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
N-Propylbenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
Nitrobenzene	<50		50		ug/L			06/21/22 12:48	1
o-Xylene	<0.50		0.50		ug/L			06/21/22 12:48	1
Pentachloroethane	<0.50		0.50		ug/L			06/21/22 12:48	1
Propionitrile	<10		10		ug/L			06/21/22 12:48	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/21/22 12:48	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
Styrene	<0.50		0.50		ug/L			06/21/22 12:48	1
Tetrachloroethene	<0.50		0.50		ug/L			06/21/22 12:48	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/21/22 12:48	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/21/22 12:48	1
Toluene	<0.50		0.50		ug/L			06/21/22 12:48	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 12:48	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 12:48	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/21/22 12:48	1
t-Butyl alcohol	**33**		25		ug/L			06/21/22 12:48	1
Trichloroethene	<0.50		0.50		ug/L			06/21/22 12:48	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/21/22 12:48	1
Vinyl chloride	<0.50		0.50		ug/L			06/21/22 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*109*		*80 - 120*		*06/21/22 12:48*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/21/22 12:48*	*1*

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

Job ID: 410-87989-1

Client Sample ID: 261-Midfluent-W-220616
Date Collected: 06/16/22 14:35
Date Received: 06/17/22 20:29

Lab Sample ID: 410-87989-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/21/22 13:11	1
1,1-Dichloropropanone	<50		50		ug/L			06/21/22 13:11	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/21/22 13:11	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/21/22 13:11	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/21/22 13:11	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
1-Chlorobutane	<0.50		0.50		ug/L			06/21/22 13:11	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 13:11	1
2-Butanone	<5.0		5.0		ug/L			06/21/22 13:11	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 13:11	1
2-Hexanone	<5.0		5.0		ug/L			06/21/22 13:11	1
2-Nitropropane	<53		53		ug/L			06/21/22 13:11	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 13:11	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/21/22 13:11	1
Acetone	<10		10		ug/L			06/21/22 13:11	1
Acrylonitrile	<10		10		ug/L			06/21/22 13:11	1
Allyl chloride	<0.50		0.50		ug/L			06/21/22 13:11	1
Benzene	<0.50		0.50		ug/L			06/21/22 13:11	1
Bromobenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
Bromochloromethane	<0.50		0.50		ug/L			06/21/22 13:11	1
Bromodichloromethane	<0.50		0.50		ug/L			06/21/22 13:11	1
Bromoform	<0.50		0.50		ug/L			06/21/22 13:11	1
Bromomethane	<0.50		0.50		ug/L			06/21/22 13:11	1
Carbon disulfide	<2.0		2.0		ug/L			06/21/22 13:11	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/21/22 13:11	1
Chloroacetonitrile	<50		50		ug/L			06/21/22 13:11	1
Chlorobenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
Chloroethane	<0.50		0.50		ug/L			06/21/22 13:11	1
Chloroform	<0.50		0.50		ug/L			06/21/22 13:11	1
Chloromethane	<0.50		0.50		ug/L			06/21/22 13:11	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 13:11	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 13:11	1
Dibromochloromethane	<0.50		0.50		ug/L			06/21/22 13:11	1
Dibromomethane	<0.50		0.50		ug/L			06/21/22 13:11	1

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

Job ID: 410-87989-1

Client Sample ID: 261-Midfluent-W-220616
Date Collected: 06/16/22 14:35
Date Received: 06/17/22 20:29

Lab Sample ID: 410-87989-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/21/22 13:11	1
Ethyl ether	<0.50		0.50		ug/L			06/21/22 13:11	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/21/22 13:11	1
Ethylbenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/21/22 13:11	1
Hexachloroethane	<0.50		0.50		ug/L			06/21/22 13:11	1
Isopropylbenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
m&p-Xylene	<1.0		1.0		ug/L			06/21/22 13:11	1
Methacrylonitrile	<5.0		5.0		ug/L			06/21/22 13:11	1
Methyl acrylate	<5.0		5.0		ug/L			06/21/22 13:11	1
Methyl iodide	<0.50		0.50		ug/L			06/21/22 13:11	1
Methyl methacrylate	<0.50		0.50		ug/L			06/21/22 13:11	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/21/22 13:11	1
Methylene Chloride	<0.50		0.50		ug/L			06/21/22 13:11	1
Naphthalene	<0.50		0.50		ug/L			06/21/22 13:11	1
n-Butylbenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
N-Propylbenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
Nitrobenzene	<50		50		ug/L			06/21/22 13:11	1
o-Xylene	<0.50		0.50		ug/L			06/21/22 13:11	1
Pentachloroethane	<0.50		0.50		ug/L			06/21/22 13:11	1
Propionitrile	<10		10		ug/L			06/21/22 13:11	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/21/22 13:11	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
Styrene	<0.50		0.50		ug/L			06/21/22 13:11	1
Tetrachloroethene	<0.50		0.50		ug/L			06/21/22 13:11	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/21/22 13:11	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/21/22 13:11	1
Toluene	<0.50		0.50		ug/L			06/21/22 13:11	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 13:11	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 13:11	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/21/22 13:11	1
t-Butyl alcohol	**39**		25		ug/L			06/21/22 13:11	1
Trichloroethene	<0.50		0.50		ug/L			06/21/22 13:11	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/21/22 13:11	1
Vinyl chloride	<0.50		0.50		ug/L			06/21/22 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*108*		*80 - 120*		*06/21/22 13:11*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/21/22 13:11*	*1*

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

Job ID: 410-87989-1

Client Sample ID: 261-Effluent-W-220616
Date Collected: 06/16/22 14:40
Date Received: 06/17/22 20:29

Lab Sample ID: 410-87989-3
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/21/22 13:35	1
1,1-Dichloropropanone	<50		50		ug/L			06/21/22 13:35	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/21/22 13:35	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/21/22 13:35	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/21/22 13:35	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
1-Chlorobutane	<0.50		0.50		ug/L			06/21/22 13:35	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 13:35	1
2-Butanone	<5.0		5.0		ug/L			06/21/22 13:35	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 13:35	1
2-Hexanone	<5.0		5.0		ug/L			06/21/22 13:35	1
2-Nitropropane	<53		53		ug/L			06/21/22 13:35	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 13:35	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/21/22 13:35	1
Acetone	<10		10		ug/L			06/21/22 13:35	1
Acrylonitrile	<10		10		ug/L			06/21/22 13:35	1
Allyl chloride	<0.50		0.50		ug/L			06/21/22 13:35	1
Benzene	<0.50		0.50		ug/L			06/21/22 13:35	1
Bromobenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
Bromochloromethane	<0.50		0.50		ug/L			06/21/22 13:35	1
Bromodichloromethane	<0.50		0.50		ug/L			06/21/22 13:35	1
Bromoform	<0.50		0.50		ug/L			06/21/22 13:35	1
Bromomethane	<0.50		0.50		ug/L			06/21/22 13:35	1
Carbon disulfide	<2.0		2.0		ug/L			06/21/22 13:35	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/21/22 13:35	1
Chloroacetonitrile	<50		50		ug/L			06/21/22 13:35	1
Chlorobenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
Chloroethane	<0.50		0.50		ug/L			06/21/22 13:35	1
Chloroform	<0.50		0.50		ug/L			06/21/22 13:35	1
Chloromethane	<0.50		0.50		ug/L			06/21/22 13:35	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 13:35	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 13:35	1
Dibromochloromethane	<0.50		0.50		ug/L			06/21/22 13:35	1
Dibromomethane	<0.50		0.50		ug/L			06/21/22 13:35	1

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

Job ID: 410-87989-1

Client Sample ID: 261-Effluent-W-220616
Date Collected: 06/16/22 14:40
Date Received: 06/17/22 20:29

Lab Sample ID: 410-87989-3
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/21/22 13:35	1
Ethyl ether	<0.50		0.50		ug/L			06/21/22 13:35	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/21/22 13:35	1
Ethylbenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/21/22 13:35	1
Hexachloroethane	<0.50		0.50		ug/L			06/21/22 13:35	1
Isopropylbenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
m&p-Xylene	<1.0		1.0		ug/L			06/21/22 13:35	1
Methacrylonitrile	<5.0		5.0		ug/L			06/21/22 13:35	1
Methyl acrylate	<5.0		5.0		ug/L			06/21/22 13:35	1
Methyl iodide	<0.50		0.50		ug/L			06/21/22 13:35	1
Methyl methacrylate	<0.50		0.50		ug/L			06/21/22 13:35	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/21/22 13:35	1
Methylene Chloride	<0.50		0.50		ug/L			06/21/22 13:35	1
Naphthalene	<0.50		0.50		ug/L			06/21/22 13:35	1
n-Butylbenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
N-Propylbenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
Nitrobenzene	<50		50		ug/L			06/21/22 13:35	1
o-Xylene	<0.50		0.50		ug/L			06/21/22 13:35	1
Pentachloroethane	<0.50		0.50		ug/L			06/21/22 13:35	1
Propionitrile	<10		10		ug/L			06/21/22 13:35	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/21/22 13:35	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
Styrene	<0.50		0.50		ug/L			06/21/22 13:35	1
Tetrachloroethene	<0.50		0.50		ug/L			06/21/22 13:35	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/21/22 13:35	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/21/22 13:35	1
Toluene	<0.50		0.50		ug/L			06/21/22 13:35	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 13:35	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 13:35	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/21/22 13:35	1
t-Butyl alcohol	**41**		25		ug/L			06/21/22 13:35	1
Trichloroethene	<0.50		0.50		ug/L			06/21/22 13:35	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/21/22 13:35	1
Vinyl chloride	<0.50		0.50		ug/L			06/21/22 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*112*		*80 - 120*		*06/21/22 13:35*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/21/22 13:35*	*1*

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

Job ID: 410-87989-1

Client Sample ID: Trip Blank
Date Collected: 06/16/22 00:00
Date Received: 06/17/22 20:29

Lab Sample ID: 410-87989-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/21/22 12:24	1
1,1-Dichloropropanone	<50		50		ug/L			06/21/22 12:24	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/21/22 12:24	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/21/22 12:24	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/21/22 12:24	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
1-Chlorobutane	<0.50		0.50		ug/L			06/21/22 12:24	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 12:24	1
2-Butanone	<5.0		5.0		ug/L			06/21/22 12:24	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 12:24	1
2-Hexanone	<5.0		5.0		ug/L			06/21/22 12:24	1
2-Nitropropane	<53		53		ug/L			06/21/22 12:24	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 12:24	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/21/22 12:24	1
Acetone	<10		10		ug/L			06/21/22 12:24	1
Acrylonitrile	<10		10		ug/L			06/21/22 12:24	1
Allyl chloride	<0.50		0.50		ug/L			06/21/22 12:24	1
Benzene	<0.50		0.50		ug/L			06/21/22 12:24	1
Bromobenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
Bromochloromethane	<0.50		0.50		ug/L			06/21/22 12:24	1
Bromodichloromethane	<0.50		0.50		ug/L			06/21/22 12:24	1
Bromoform	<0.50		0.50		ug/L			06/21/22 12:24	1
Bromomethane	<0.50		0.50		ug/L			06/21/22 12:24	1
Carbon disulfide	<2.0		2.0		ug/L			06/21/22 12:24	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/21/22 12:24	1
Chloroacetonitrile	<50		50		ug/L			06/21/22 12:24	1
Chlorobenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
Chloroethane	<0.50		0.50		ug/L			06/21/22 12:24	1
Chloroform	<0.50		0.50		ug/L			06/21/22 12:24	1
Chloromethane	<0.50		0.50		ug/L			06/21/22 12:24	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 12:24	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 12:24	1
Dibromochloromethane	<0.50		0.50		ug/L			06/21/22 12:24	1
Dibromomethane	<0.50		0.50		ug/L			06/21/22 12:24	1

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

Job ID: 410-87989-1

Client Sample ID: Trip Blank
Date Collected: 06/16/22 00:00
Date Received: 06/17/22 20:29

Lab Sample ID: 410-87989-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/21/22 12:24	1
Ethyl ether	<0.50		0.50		ug/L			06/21/22 12:24	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/21/22 12:24	1
Ethylbenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/21/22 12:24	1
Hexachloroethane	<0.50		0.50		ug/L			06/21/22 12:24	1
Isopropylbenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
m&p-Xylene	<1.0		1.0		ug/L			06/21/22 12:24	1
Methacrylonitrile	<5.0		5.0		ug/L			06/21/22 12:24	1
Methyl acrylate	<5.0		5.0		ug/L			06/21/22 12:24	1
Methyl iodide	<0.50		0.50		ug/L			06/21/22 12:24	1
Methyl methacrylate	<0.50		0.50		ug/L			06/21/22 12:24	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/21/22 12:24	1
Methylene Chloride	<0.50		0.50		ug/L			06/21/22 12:24	1
Naphthalene	<0.50		0.50		ug/L			06/21/22 12:24	1
n-Butylbenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
N-Propylbenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
Nitrobenzene	<50		50		ug/L			06/21/22 12:24	1
o-Xylene	<0.50		0.50		ug/L			06/21/22 12:24	1
Pentachloroethane	<0.50		0.50		ug/L			06/21/22 12:24	1
Propionitrile	<10		10		ug/L			06/21/22 12:24	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/21/22 12:24	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
Styrene	<0.50		0.50		ug/L			06/21/22 12:24	1
Tetrachloroethene	<0.50		0.50		ug/L			06/21/22 12:24	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/21/22 12:24	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/21/22 12:24	1
Toluene	<0.50		0.50		ug/L			06/21/22 12:24	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 12:24	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 12:24	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/21/22 12:24	1
t-Butyl alcohol	<25		25		ug/L			06/21/22 12:24	1
Trichloroethene	<0.50		0.50		ug/L			06/21/22 12:24	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/21/22 12:24	1
Vinyl chloride	<0.50		0.50		ug/L			06/21/22 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*110*		*80 - 120*		*06/21/22 12:24*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/21/22 12:24*	*1*

Surrogate Summary

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

Job ID: 410-87989-1

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

Matrix: Drinking Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		DCZ	BFB										
Lab Sample ID	Client Sample ID	(80-120)	(80-120)										
410-87989-1	261-Influent-W-220616	109	101										
410-87989-2	261-Midfluent-W-220616	108	100										
410-87989-3	261-Effluent-W-220616	112	103										
LCS 410-267611/4	Lab Control Sample	99	99										
MB 410-267611/6	Method Blank	108	101										

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		DCZ	BFB										
Lab Sample ID	Client Sample ID	(80-120)	(80-120)										
410-87989-4	Trip Blank	110	102										

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Job ID: 410-87989-1

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

Lab Sample ID: MB 410-267611/6
Matrix: Drinking Water
Analysis Batch: 267611

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			06/21/22 10:02	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/21/22 10:02	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/21/22 10:02	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/21/22 10:02	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/21/22 10:02	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/21/22 10:02	1
1,1-Dichloropropanone	<50		50		ug/L			06/21/22 10:02	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/21/22 10:02	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			06/21/22 10:02	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			06/21/22 10:02	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/21/22 10:02	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/21/22 10:02	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 10:02	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/21/22 10:02	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
1-Chlorobutane	<0.50		0.50		ug/L			06/21/22 10:02	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/21/22 10:02	1
2-Butanone	<5.0		5.0		ug/L			06/21/22 10:02	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 10:02	1
2-Hexanone	<5.0		5.0		ug/L			06/21/22 10:02	1
2-Nitropropane	<53		53		ug/L			06/21/22 10:02	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/21/22 10:02	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/21/22 10:02	1
Acetone	<10		10		ug/L			06/21/22 10:02	1
Acrylonitrile	<10		10		ug/L			06/21/22 10:02	1
Allyl chloride	<0.50		0.50		ug/L			06/21/22 10:02	1
Benzene	<0.50		0.50		ug/L			06/21/22 10:02	1
Bromobenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
Bromochloromethane	<0.50		0.50		ug/L			06/21/22 10:02	1
Bromodichloromethane	<0.50		0.50		ug/L			06/21/22 10:02	1
Bromoform	<0.50		0.50		ug/L			06/21/22 10:02	1
Bromomethane	<0.50		0.50		ug/L			06/21/22 10:02	1
Carbon disulfide	<2.0		2.0		ug/L			06/21/22 10:02	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/21/22 10:02	1
Chloroacetonitrile	<50		50		ug/L			06/21/22 10:02	1
Chlorobenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
Chloroethane	<0.50		0.50		ug/L			06/21/22 10:02	1
Chloroform	<0.50		0.50		ug/L			06/21/22 10:02	1
Chloromethane	<0.50		0.50		ug/L			06/21/22 10:02	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 10:02	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 10:02	1
Dibromochloromethane	<0.50		0.50		ug/L			06/21/22 10:02	1

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

Lab Sample ID: MB 410-267611/6
Matrix: Drinking Water
Analysis Batch: 267611

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	<0.50		0.50		ug/L			06/21/22 10:02	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/21/22 10:02	1
Ethyl ether	<0.50		0.50		ug/L			06/21/22 10:02	1
Ethyl methacrylate	<0.50		0.50		ug/L			06/21/22 10:02	1
Ethylbenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/21/22 10:02	1
Hexachloroethane	<0.50		0.50		ug/L			06/21/22 10:02	1
Isopropylbenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
m&p-Xylene	<1.0		1.0		ug/L			06/21/22 10:02	1
Methacrylonitrile	<5.0		5.0		ug/L			06/21/22 10:02	1
Methyl acrylate	<5.0		5.0		ug/L			06/21/22 10:02	1
Methyl iodide	<0.50		0.50		ug/L			06/21/22 10:02	1
Methyl methacrylate	<0.50		0.50		ug/L			06/21/22 10:02	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/21/22 10:02	1
Methylene Chloride	<0.50		0.50		ug/L			06/21/22 10:02	1
Naphthalene	<0.50		0.50		ug/L			06/21/22 10:02	1
n-Butylbenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
N-Propylbenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
Nitrobenzene	<50		50		ug/L			06/21/22 10:02	1
o-Xylene	<0.50		0.50		ug/L			06/21/22 10:02	1
Pentachloroethane	<0.50		0.50		ug/L			06/21/22 10:02	1
Propionitrile	<10		10		ug/L			06/21/22 10:02	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/21/22 10:02	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
Styrene	<0.50		0.50		ug/L			06/21/22 10:02	1
Tetrachloroethene	<0.50		0.50		ug/L			06/21/22 10:02	1
Tetrahydrofuran	<7.0		7.0		ug/L			06/21/22 10:02	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/21/22 10:02	1
Toluene	<0.50		0.50		ug/L			06/21/22 10:02	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/21/22 10:02	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/21/22 10:02	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			06/21/22 10:02	1
t-Butyl alcohol	<25		25		ug/L			06/21/22 10:02	1
Trichloroethene	<0.50		0.50		ug/L			06/21/22 10:02	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/21/22 10:02	1
Vinyl chloride	<0.50		0.50		ug/L			06/21/22 10:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*108*		*80 - 120*		*06/21/22 10:02*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/21/22 10:02*	*1*

Lab Sample ID: LCS 410-267611/4
Matrix: Drinking Water
Analysis Batch: 267611

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	5.18		ug/L		104	70 - 130		
1,1,1-Trichloroethane			5.00	5.09		ug/L		102	70 - 130		

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

Lab Sample ID: LCS 410-267611/4
Matrix: Drinking Water
Analysis Batch: 267611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	5.00	5.26		ug/L		105	70 - 130
1,1,2-Trichloroethane	5.00	5.26		ug/L		105	70 - 130
1,1-Dichloroethane	5.00	5.02		ug/L		100	70 - 130
1,1-Dichloroethene	5.00	5.29		ug/L		106	70 - 130
1,1-Dichloropropanone	500	530		ug/L		106	70 - 130
1,1-Dichloropropene	5.00	5.42		ug/L		108	70 - 130
1,2,3-Trichlorobenzene	5.00	4.95		ug/L		99	70 - 130
1,2,3-Trichloropropane	5.00	5.11		ug/L		102	70 - 130
1,2,4-Trichlorobenzene	5.00	4.98		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	5.00	5.22		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.79		ug/L		96	70 - 130
1,2-Dibromoethane	5.00	5.10		ug/L		102	70 - 130
1,2-Dichlorobenzene	5.00	5.02		ug/L		100	70 - 130
1,2-Dichloroethane	5.00	5.25		ug/L		105	70 - 130
1,2-Dichloropropane	5.00	5.51		ug/L		110	70 - 130
1,3,5-Trimethylbenzene	5.00	5.26		ug/L		105	70 - 130
1,3-Dichlorobenzene	5.00	5.08		ug/L		102	70 - 130
1,3-Dichloropropane	5.00	5.26		ug/L		105	70 - 130
1,4-Dichlorobenzene	5.00	5.14		ug/L		103	70 - 130
1-Chlorobutane	5.00	4.94		ug/L		99	70 - 130
2,2-Dichloropropane	5.00	5.15		ug/L		103	70 - 130
2-Butanone	62.5	58.4		ug/L		93	70 - 130
2-Chlorotoluene	5.00	5.12		ug/L		102	70 - 130
2-Hexanone	62.5	64.4		ug/L		103	70 - 130
2-Nitropropane	505	520		ug/L		103	70 - 130
4-Chlorotoluene	5.00	5.16		ug/L		103	70 - 130
4-Methyl-2-pentanone	62.5	63.9		ug/L		102	70 - 130
Acetone	62.5	60.2		ug/L		96	70 - 130
Acrylonitrile	113	119		ug/L		106	70 - 130
Allyl chloride	5.00	5.43		ug/L		109	70 - 130
Benzene	5.00	5.38		ug/L		108	70 - 130
Bromobenzene	5.00	5.19		ug/L		104	70 - 130
Bromochloromethane	5.00	5.30		ug/L		106	70 - 130
Bromodichloromethane	5.00	5.25		ug/L		105	70 - 130
Bromoform	5.00	4.72		ug/L		94	70 - 130
Bromomethane	2.00	2.11		ug/L		105	70 - 130
Carbon disulfide	5.00	5.30		ug/L		106	70 - 130
Carbon tetrachloride	5.00	5.18		ug/L		104	70 - 130
Chloroacetonitrile	250	279		ug/L		112	70 - 130
Chlorobenzene	5.00	5.19		ug/L		104	70 - 130
Chloroethane	2.00	2.17		ug/L		108	70 - 130
Chloroform	5.00	5.25		ug/L		105	70 - 130
Chloromethane	2.00	2.33		ug/L		117	70 - 130
cis-1,2-Dichloroethene	5.00	5.18		ug/L		104	70 - 130
cis-1,3-Dichloropropene	5.00	5.01		ug/L		100	70 - 130
Dibromochloromethane	5.00	5.00		ug/L		100	70 - 130
Dibromomethane	5.00	5.35		ug/L		107	70 - 130
Dichlorodifluoromethane	2.00	2.43		ug/L		122	70 - 130
Ethyl ether	5.00	4.61		ug/L		92	70 - 130

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

Lab Sample ID: LCS 410-267611/4
Matrix: Drinking Water
Analysis Batch: 267611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethyl methacrylate	5.00	5.06		ug/L		101	70 - 130
Ethylbenzene	5.00	5.22		ug/L		104	70 - 130
Hexachlorobutadiene	5.00	5.45		ug/L		109	70 - 130
Hexachloroethane	5.00	4.99		ug/L		100	70 - 130
Isopropylbenzene	5.00	5.24		ug/L		105	70 - 130
m&p-Xylene	10.0	10.6		ug/L		106	70 - 130
Methacrylonitrile	37.5	39.2		ug/L		104	70 - 130
Methyl acrylate	25.0	25.6		ug/L		103	70 - 130
Methyl iodide	5.00	5.22		ug/L		104	70 - 130
Methyl methacrylate	5.00	5.14		ug/L		103	70 - 130
Methyl tertiary butyl ether	5.00	4.98		ug/L		100	70 - 130
Methylene Chloride	5.00	5.84		ug/L		117	70 - 130
Naphthalene	5.00	5.01		ug/L		100	70 - 130
n-Butylbenzene	5.00	5.23		ug/L		105	70 - 130
N-Propylbenzene	5.00	5.25		ug/L		105	70 - 130
Nitrobenzene	250	228		ug/L		91	70 - 130
o-Xylene	5.00	5.12		ug/L		102	70 - 130
Pentachloroethane	5.00	5.11		ug/L		102	70 - 130
Propionitrile	100	105		ug/L		105	70 - 130
p-Isopropyltoluene	5.00	5.31		ug/L		106	70 - 130
sec-Butylbenzene	5.00	5.35		ug/L		107	70 - 130
Styrene	5.00	5.19		ug/L		104	70 - 130
Tetrachloroethene	5.00	5.12		ug/L		102	70 - 130
Tetrahydrofuran	46.9	47.1		ug/L		100	70 - 130
tert-Butylbenzene	5.00	5.03		ug/L		101	70 - 130
Toluene	5.00	5.22		ug/L		104	70 - 130
trans-1,2-Dichloroethene	5.00	4.99		ug/L		100	70 - 130
trans-1,3-Dichloropropene	5.00	5.17		ug/L		103	70 - 130
trans-1,4-Dichloro-2-butene	25.0	26.6		ug/L		106	70 - 130
t-Butyl alcohol	50.0	47.8		ug/L		96	70 - 130
Trichloroethene	5.00	5.28		ug/L		106	70 - 130
Trichlorofluoromethane	2.00	2.13		ug/L		106	70 - 130
Vinyl chloride	2.00	2.22		ug/L		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

QC Association Summary

Client: ARCADIS U.S., Inc.
Job ID: 410-87989-1
Project/Site: 14489 - North East, MD

GC/MS VOA

Analysis Batch: 267611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-87989-1	261-Influent-W-220616	Total/NA	Drinking Water	524.2	
410-87989-2	261-Midfluent-W-220616	Total/NA	Drinking Water	524.2	
410-87989-3	261-Effluent-W-220616	Total/NA	Drinking Water	524.2	
410-87989-4	Trip Blank	Total/NA	Water	524.2	
MB 410-267611/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-267611/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Job ID: 410-87989-1
Project/Site: 14489 - North East, MD

Client Sample ID: 261-Influent-W-220616
Lab Sample ID: 410-87989-1
Date Collected: 06/16/22 14:30
Matrix: Drinking Water
Date Received: 06/17/22 20:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	267611	06/21/22 12:48	UJML	ELLE

Client Sample ID: 261-Midfluent-W-220616
Lab Sample ID: 410-87989-2
Date Collected: 06/16/22 14:35
Matrix: Drinking Water
Date Received: 06/17/22 20:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	267611	06/21/22 13:11	UJML	ELLE

Client Sample ID: 261-Effluent-W-220616
Lab Sample ID: 410-87989-3
Date Collected: 06/16/22 14:40
Matrix: Drinking Water
Date Received: 06/17/22 20:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	267611	06/21/22 13:35	UJML	ELLE

Client Sample ID: Trip Blank
Lab Sample ID: 410-87989-4
Date Collected: 06/16/22 00:00
Matrix: Water
Date Received: 06/17/22 20:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	267611	06/21/22 12:24	UJML	ELLE

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.
Job ID: 410-87989-1
Project/Site: 14489 - North East, MD

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	06-30-23

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
524.2		Drinking Water	1,1,1,2-Tetrachloroethane
524.2		Drinking Water	1,1,2,2-Tetrachloroethane
524.2		Drinking Water	1,1-Dichloroethane
524.2		Drinking Water	1,1-Dichloropropanone
524.2		Drinking Water	1,1-Dichloropropene
524.2		Drinking Water	1,2,3-Trichlorobenzene
524.2		Drinking Water	1,2,3-Trichloropropane
524.2		Drinking Water	1,2,4-Trimethylbenzene
524.2		Drinking Water	1,2-Dibromo-3-Chloropropane
524.2		Drinking Water	1,2-Dibromoethane
524.2		Drinking Water	1,3,5-Trimethylbenzene
524.2		Drinking Water	1,3-Dichlorobenzene
524.2		Drinking Water	1,3-Dichloropropane
524.2		Drinking Water	1-Chlorobutane
524.2		Drinking Water	2,2-Dichloropropane
524.2		Drinking Water	2-Butanone
524.2		Drinking Water	2-Chlorotoluene
524.2		Drinking Water	2-Hexanone
524.2		Drinking Water	2-Nitropropane
524.2		Drinking Water	4-Chlorotoluene
524.2		Drinking Water	4-Methyl-2-pentanone
524.2		Drinking Water	Acetone
524.2		Drinking Water	Acrylonitrile
524.2		Drinking Water	Allyl chloride
524.2		Drinking Water	Bromobenzene
524.2		Drinking Water	Bromochloromethane
524.2		Drinking Water	Bromomethane
524.2		Drinking Water	Carbon disulfide
524.2		Drinking Water	Chloroacetonitrile
524.2		Drinking Water	Chloroethane
524.2		Drinking Water	Chloromethane
524.2		Drinking Water	cis-1,3-Dichloropropene
524.2		Drinking Water	Dibromomethane
524.2		Drinking Water	Dichlorodifluoromethane
524.2		Drinking Water	Ethyl ether
524.2		Drinking Water	Ethyl methacrylate
524.2		Drinking Water	Hexachlorobutadiene
524.2		Drinking Water	Hexachloroethane
524.2		Drinking Water	Isopropylbenzene
524.2		Drinking Water	m&p-Xylene
524.2		Drinking Water	Methacrylonitrile
524.2		Drinking Water	Methyl acrylate
524.2		Drinking Water	Methyl iodide
524.2		Drinking Water	Methyl methacrylate
524.2		Drinking Water	Methyl tertiary butyl ether

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
524.2		Drinking Water	Naphthalene
524.2		Drinking Water	n-Butylbenzene
524.2		Drinking Water	Nitrobenzene
524.2		Drinking Water	N-Propylbenzene
524.2		Drinking Water	o-Xylene
524.2		Drinking Water	Pentachloroethane
524.2		Drinking Water	p-Isopropyltoluene
524.2		Drinking Water	Propionitrile
524.2		Drinking Water	sec-Butylbenzene
524.2		Drinking Water	t-Butyl alcohol
524.2		Drinking Water	tert-Butylbenzene
524.2		Drinking Water	Tetrahydrofuran
524.2		Drinking Water	trans-1,3-Dichloropropene
524.2		Drinking Water	trans-1,4-Dichloro-2-butene
524.2		Drinking Water	Trichlorofluoromethane
524.2		Water	1,1,1,2-Tetrachloroethane
524.2		Water	1,1,2,2-Tetrachloroethane
524.2		Water	1,1-Dichloroethane
524.2		Water	1,1-Dichloropropanone
524.2		Water	1,1-Dichloropropene
524.2		Water	1,2,3-Trichlorobenzene
524.2		Water	1,2,3-Trichloropropane
524.2		Water	1,2,4-Trimethylbenzene
524.2		Water	1,2-Dibromo-3-Chloropropane
524.2		Water	1,2-Dibromoethane
524.2		Water	1,3,5-Trimethylbenzene
524.2		Water	1,3-Dichlorobenzene
524.2		Water	1,3-Dichloropropane
524.2		Water	1-Chlorobutane
524.2		Water	2,2-Dichloropropane
524.2		Water	2-Butanone
524.2		Water	2-Chlorotoluene
524.2		Water	2-Hexanone
524.2		Water	2-Nitropropane
524.2		Water	4-Chlorotoluene
524.2		Water	4-Methyl-2-pentanone
524.2		Water	Acetone
524.2		Water	Acrylonitrile
524.2		Water	Allyl chloride
524.2		Water	Bromobenzene
524.2		Water	Bromochloromethane
524.2		Water	Bromomethane
524.2		Water	Carbon disulfide
524.2		Water	Chloroacetonitrile
524.2		Water	Chloroethane
524.2		Water	Chloromethane
524.2		Water	cis-1,3-Dichloropropene

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
524.2		Water	Dibromomethane
524.2		Water	Dichlorodifluoromethane
524.2		Water	Ethyl ether
524.2		Water	Ethyl methacrylate
524.2		Water	Hexachlorobutadiene
524.2		Water	Hexachloroethane
524.2		Water	Isopropylbenzene
524.2		Water	m&p-Xylene
524.2		Water	Methacrylonitrile
524.2		Water	Methyl acrylate
524.2		Water	Methyl iodide
524.2		Water	Methyl methacrylate
524.2		Water	Methyl tertiary butyl ether
524.2		Water	Naphthalene
524.2		Water	n-Butylbenzene
524.2		Water	Nitrobenzene
524.2		Water	N-Propylbenzene
524.2		Water	o-Xylene
524.2		Water	Pentachloroethane
524.2		Water	p-Isopropyltoluene
524.2		Water	Propionitrile
524.2		Water	sec-Butylbenzene
524.2		Water	t-Butyl alcohol
524.2		Water	tert-Butylbenzene
524.2		Water	Tetrahydrofuran
524.2		Water	trans-1,3-Dichloropropene
524.2		Water	trans-1,4-Dichloro-2-butene
524.2		Water	Trichlorofluoromethane

Method Summary

Client: ARCADIS U.S., Inc.
Job ID: 410-87989-1
Project/Site: 14489 - North East, MD

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

Protocol References:

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

Laboratory References:

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: 410-87989-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-87989-1	261-Influent-W-220616	Drinking Water	06/16/22 14:30	06/17/22 20:29
410-87989-2	261-Midfluent-W-220616	Drinking Water	06/16/22 14:35	06/17/22 20:29
410-87989-3	261-Effluent-W-220616	Drinking Water	06/16/22 14:40	06/17/22 20:29
410-87989-4	Trip Blank	Water	06/16/22 00:00	06/17/22 20:29

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-87989 Chain of Custody

eurofins Environment Testing America

Client Information	Sampler: Andy Feild	Lab PM: Moeller, Megan	COC No: 410-58716-12330.1
Client Contact: Courtney Pitman	Phone: 443 354 0186	E-Mail: Megan.Moeller@et.eurofinsus.com	State of Origin: Maryland	Page: Page 1 of 1
Company: ARCADIS U.S., Inc.	PWSID:		Job #:
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested: Standard		
City: Fairport	TAT Requested (days): Normal		
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No		
Phone: 281-355-3653(Tel)	PO #: 30067154		
Email: courtney.pitman@arcadis.com	WO #:		
Project Name: 14489 - North East, MD	Project #: 41002408		
Site: Maryland	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2 Preserved - Rev 4 + TBA	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	HA		
261-Influent-W-220616	6/16/22	1430	G	W			3		
261-~~Influent~~ Mid-W-220616	6/16/22	1435	G	W			3		
261-Effluent-W-220616	6/16/22	1440	G	W			3		
Trip Blank	—	—	—	W			3		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/16/22 1630	ANA			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6-17-22 0929	Company: EUL

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.9

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 410-87989-1

Login Number: 87989

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Jeremiah, Cory T

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=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.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
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	

APPENDIX C

Laboratory Analytical Report and Chain-of-Custody

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-87996-1
Client Project/Site: 14489 - North East, MD

For:
ARCADIS U.S., Inc.
2839 Paces Ferry Road SE
Suite 900
Atlanta, Georgia 30339

Attn: Ms. Kelley Sharpe

Authorized for release by:
6/24/2022 5:18:28 AM

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

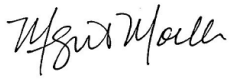
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.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



Megan Moeller
Client Services Manager
6/24/2022 5:18:28 AM

Table of Contents

Client: ARCADIS U.S., Inc.
Job ID: 410-87996-1
Project/Site: 14489 - North East, MD

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
cn	Refer to Case Narrative for further detail
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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

Job ID: 410-87996-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-87996-1

Receipt
The samples were received on 6/17/2022 9:01 PM. 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 0.1°C

GC/MS VOA
Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-268048 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane. 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: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-10-W-220616 (410-87996-5). Elevated reporting limits (RLs) are provided.

Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-268505 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane and Dichlorodifluoromethane. 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: The continuing calibration verification (CCV) associated with batch 410-268505 recovered above the upper control limit for 1,1,1,2-Tetrachloroethane, trans-1,3-Dichloropropene, 4-Methyl-2-pentanone, 2-Hexanone and 2-Butanone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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: 410-87996-1

Client Sample ID: MW-1A-W-220616 — Lab Sample ID: 410-87996-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	9.6		2.5		ug/L	5		8260C LL	Total/NA
Isopropylbenzene	37		2.5		ug/L	5		8260C LL	Total/NA
n-Butylbenzene	12		2.5		ug/L	5		8260C LL	Total/NA
N-Propylbenzene	100		2.5		ug/L	5		8260C LL	Total/NA
p-Isopropyltoluene	4.6		2.5		ug/L	5		8260C LL	Total/NA
sec-Butylbenzene	7.3		2.5		ug/L	5		8260C LL	Total/NA
Ethylbenzene - DL	420		25		ug/L	50		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	570		25		ug/L	50		8260C LL	Total/NA
Toluene - DL	180		25		ug/L	50		8260C LL	Total/NA
1,3,5-Trimethylbenzene - DL	150		25		ug/L	50		8260C LL	Total/NA
Xylenes, Total - DL	1100		50		ug/L	50		8260C LL	Total/NA
Naphthalene - DL	120		25		ug/L	50		8260C LL	Total/NA

Client Sample ID: MW-2A-W-220616 — Lab Sample ID: 410-87996-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	640	E	5.0		ug/L	10		8260C LL	Total/NA
1,2,4-Trimethylbenzene	430	E	5.0		ug/L	10		8260C LL	Total/NA
Toluene	100		5.0		ug/L	10		8260C LL	Total/NA
1,3,5-Trimethylbenzene	59		5.0		ug/L	10		8260C LL	Total/NA
Xylenes, Total	1200	E	10		ug/L	10		8260C LL	Total/NA
Methyl tertiary butyl ether	5.9		5.0		ug/L	10		8260C LL	Total/NA
Benzene	24		5.0		ug/L	10		8260C LL	Total/NA
Isopropylbenzene	55		5.0		ug/L	10		8260C LL	Total/NA
Naphthalene	260	E	5.0		ug/L	10		8260C LL	Total/NA
n-Butylbenzene	5.4		5.0		ug/L	10		8260C LL	Total/NA
N-Propylbenzene	110		5.0		ug/L	10		8260C LL	Total/NA
Ethylbenzene - DL	1300		50		ug/L	100		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	470		50		ug/L	100		8260C LL	Total/NA
Xylenes, Total - DL	1300		100		ug/L	100		8260C LL	Total/NA
Naphthalene - DL	310		50		ug/L	100		8260C LL	Total/NA

Client Sample ID: MW-3A-W-220616 — Lab Sample ID: 410-87996-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1.2		0.50		ug/L	1		8260C LL	Total/NA
1,2,4-Trimethylbenzene	0.86		0.50		ug/L	1		8260C LL	Total/NA
Xylenes, Total	1.3		1.0		ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-8-W-220616 — Lab Sample ID: 410-87996-4

No Detections.

Client Sample ID: MW-10-W-220616 — Lab Sample ID: 410-87996-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	4.3	cn	2.5		ug/L	5		8260C LL	Total/NA

Client Sample ID: MW-11-W-220616 — Lab Sample ID: 410-87996-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1.4		0.50		ug/L	1		8260C LL	Total/NA
1,2,4-Trimethylbenzene	0.84		0.50		ug/L	1		8260C LL	Total/NA
Isopropylbenzene	0.51		0.50		ug/L	1		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample ID: MW-11-W-220616 (Continued)
Lab Sample ID: 410-87996-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.91		0.50		ug/L	1		8260C LL	Total/NA
N-Propylbenzene	0.63		0.50		ug/L	1		8260C LL	Total/NA

Client Sample ID: DUP-01-W-220616
Lab Sample ID: 410-87996-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	8.9		2.5		ug/L	5		8260C LL	Total/NA
Isopropylbenzene	34		2.5		ug/L	5		8260C LL	Total/NA
Naphthalene	120		2.5		ug/L	5		8260C LL	Total/NA
n-Butylbenzene	11		2.5		ug/L	5		8260C LL	Total/NA
N-Propylbenzene	98		2.5		ug/L	5		8260C LL	Total/NA
p-Isopropyltoluene	4.3		2.5		ug/L	5		8260C LL	Total/NA
sec-Butylbenzene	6.8		2.5		ug/L	5		8260C LL	Total/NA
Ethylbenzene - DL	430		25		ug/L	50		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	580		25		ug/L	50		8260C LL	Total/NA
Toluene - DL	220		25		ug/L	50		8260C LL	Total/NA
1,3,5-Trimethylbenzene - DL	160		25		ug/L	50		8260C LL	Total/NA
Xylenes, Total - DL	1200		50		ug/L	50		8260C LL	Total/NA

Client Sample ID: RB-01-W-220616
Lab Sample ID: 410-87996-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.8		0.50		ug/L	1		8260C LL	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 410-87996-9

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-87996-1

Client Sample ID: MW-1A-W-220616
Date Collected: 06/16/22 10:30
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-1
Matrix: Groundwater

Method: 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	cn	2.5		ug/L			06/23/22 13:28	5
Styrene	<2.5		2.5		ug/L			06/23/22 13:28	5
1,1-Dichloropropene	<2.5		2.5		ug/L			06/23/22 13:28	5
cis-1,3-Dichloropropene	<2.5		2.5		ug/L			06/23/22 13:28	5
trans-1,3-Dichloropropene	<2.5	cn	2.5		ug/L			06/23/22 13:28	5
1,2,3-Trichloropropane	<5.0		5.0		ug/L			06/23/22 13:28	5
1,4-Dichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:28	5
1,2-Dibromoethane	<2.5		2.5		ug/L			06/23/22 13:28	5
1,2-Dichloroethane	<2.5		2.5		ug/L			06/23/22 13:28	5
4-Methyl-2-pentanone	<25	cn	25		ug/L			06/23/22 13:28	5
Chlorobenzene	<2.5		2.5		ug/L			06/23/22 13:28	5
1,2,4-Trichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:28	5
Dibromochloromethane	<2.5		2.5		ug/L			06/23/22 13:28	5
Tetrachloroethene	<2.5		2.5		ug/L			06/23/22 13:28	5
cis-1,2-Dichloroethene	<2.5		2.5		ug/L			06/23/22 13:28	5
trans-1,2-Dichloroethene	<2.5		2.5		ug/L			06/23/22 13:28	5
1,3-Dichloropropane	<2.5		2.5		ug/L			06/23/22 13:28	5
Methyl tertiary butyl ether	<2.5		2.5		ug/L			06/23/22 13:28	5
1,3-Dichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:28	5
Carbon tetrachloride	<2.5		2.5		ug/L			06/23/22 13:28	5
2-Hexanone	<25	cn	25		ug/L			06/23/22 13:28	5
Acetone	<25		25		ug/L			06/23/22 13:28	5
Chloroform	<2.5		2.5		ug/L			06/23/22 13:28	5
Benzene	**9.6**		2.5		ug/L			06/23/22 13:28	5
1,1,1-Trichloroethane	<2.5		2.5		ug/L			06/23/22 13:28	5
2,2-Dichloropropane	<2.5		2.5		ug/L			06/23/22 13:28	5
Bromomethane	<2.5		2.5		ug/L			06/23/22 13:28	5
Chloromethane	<2.5		2.5		ug/L			06/23/22 13:28	5
Bromochloromethane	<2.5		2.5		ug/L			06/23/22 13:28	5
Chloroethane	<2.5		2.5		ug/L			06/23/22 13:28	5
2-Chlorotoluene	<2.5		2.5		ug/L			06/23/22 13:28	5
Vinyl chloride	<2.5		2.5		ug/L			06/23/22 13:28	5
Methylene Chloride	<2.5		2.5		ug/L			06/23/22 13:28	5
Carbon disulfide	<5.0		5.0		ug/L			06/23/22 13:28	5
4-Chlorotoluene	<2.5		2.5		ug/L			06/23/22 13:28	5
Bromoform	<5.0		5.0		ug/L			06/23/22 13:28	5
Bromodichloromethane	<2.5		2.5		ug/L			06/23/22 13:28	5
1,1-Dichloroethane	<2.5		2.5		ug/L			06/23/22 13:28	5
1,1-Dichloroethene	<2.5		2.5		ug/L			06/23/22 13:28	5
Trichlorofluoromethane	<2.5	cn	2.5		ug/L			06/23/22 13:28	5
Dichlorodifluoromethane	<2.5	cn	2.5		ug/L			06/23/22 13:28	5
1,2-Dichloropropane	<2.5		2.5		ug/L			06/23/22 13:28	5
2-Butanone	<25	cn	25		ug/L			06/23/22 13:28	5
1,1,2-Trichloroethane	<2.5		2.5		ug/L			06/23/22 13:28	5
Bromobenzene	<2.5		2.5		ug/L			06/23/22 13:28	5
Trichloroethene	<2.5		2.5		ug/L			06/23/22 13:28	5
1,1,2,2-Tetrachloroethane	<2.5	*+	2.5		ug/L			06/23/22 13:28	5
1,2,3-Trichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:28	5
1,2-Dichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:28	5

Client Sample ID: MW-1A-W-220616
Date Collected: 06/16/22 10:30
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-1
Matrix: Groundwater

Method: 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			06/23/22 13:28	5
Isopropylbenzene	**37**		2.5		ug/L			06/23/22 13:28	5
Dibromomethane	<2.5		2.5		ug/L			06/23/22 13:28	5
di-Isopropyl ether	<2.5		2.5		ug/L			06/23/22 13:28	5
Ethyl t-butyl ether	<2.5		2.5		ug/L			06/23/22 13:28	5
Hexachlorobutadiene	<2.5		2.5		ug/L			06/23/22 13:28	5
n-Butylbenzene	**12**		2.5		ug/L			06/23/22 13:28	5
N-Propylbenzene	**100**		2.5		ug/L			06/23/22 13:28	5
p-Isopropyltoluene	**4.6**		2.5		ug/L			06/23/22 13:28	5
sec-Butylbenzene	**7.3**		2.5		ug/L			06/23/22 13:28	5
t-Amyl methyl ether	<2.5		2.5		ug/L			06/23/22 13:28	5
t-Butyl alcohol	<50		50		ug/L			06/23/22 13:28	5
tert-Butylbenzene	<2.5		2.5		ug/L			06/23/22 13:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*06/23/22 13:28*	*5*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/23/22 13:28*	*5*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*06/23/22 13:28*	*5*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/23/22 13:28*	*5*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**420**		25		ug/L			06/22/22 19:19	50
1,2,4-Trimethylbenzene	**570**		25		ug/L			06/22/22 19:19	50
Toluene	**180**		25		ug/L			06/22/22 19:19	50
1,3,5-Trimethylbenzene	**150**		25		ug/L			06/22/22 19:19	50
Xylenes, Total	**1100**		50		ug/L			06/22/22 19:19	50
Naphthalene	**120**		25		ug/L			06/22/22 19:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/22/22 19:19*	*50*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/22/22 19:19*	*50*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/22/22 19:19*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/22/22 19:19*	*50*

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

Job ID: 410-87996-1

Client Sample ID: MW-2A-W-220616
Date Collected: 06/16/22 11:35
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-2
Matrix: Groundwater

Method: 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			06/22/22 15:55	10
Ethylbenzene	**640**	**E**	5.0		ug/L			06/22/22 15:55	10
Styrene	<5.0		5.0		ug/L			06/22/22 15:55	10
1,1-Dichloropropene	<5.0		5.0		ug/L			06/22/22 15:55	10
cis-1,3-Dichloropropene	<5.0		5.0		ug/L			06/22/22 15:55	10
trans-1,3-Dichloropropene	<5.0		5.0		ug/L			06/22/22 15:55	10
1,2,3-Trichloropropane	<10		10		ug/L			06/22/22 15:55	10
1,4-Dichlorobenzene	<5.0		5.0		ug/L			06/22/22 15:55	10
1,2-Dibromoethane	<5.0		5.0		ug/L			06/22/22 15:55	10
1,2-Dichloroethane	<5.0		5.0		ug/L			06/22/22 15:55	10
1,2,4-Trimethylbenzene	**430**	**E**	5.0		ug/L			06/22/22 15:55	10
4-Methyl-2-pentanone	<50		50		ug/L			06/22/22 15:55	10
Toluene	**100**		5.0		ug/L			06/22/22 15:55	10
Chlorobenzene	<5.0		5.0		ug/L			06/22/22 15:55	10
1,2,4-Trichlorobenzene	<5.0		5.0		ug/L			06/22/22 15:55	10
Dibromochloromethane	<5.0		5.0		ug/L			06/22/22 15:55	10
Tetrachloroethene	<5.0		5.0		ug/L			06/22/22 15:55	10
1,3,5-Trimethylbenzene	**59**		5.0		ug/L			06/22/22 15:55	10
Xylenes, Total	**1200**	**E**	10		ug/L			06/22/22 15:55	10
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			06/22/22 15:55	10
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			06/22/22 15:55	10
1,3-Dichloropropane	<5.0		5.0		ug/L			06/22/22 15:55	10
Methyl tertiary butyl ether	**5.9**		5.0		ug/L			06/22/22 15:55	10
1,3-Dichlorobenzene	<5.0		5.0		ug/L			06/22/22 15:55	10
Carbon tetrachloride	<5.0		5.0		ug/L			06/22/22 15:55	10
2-Hexanone	<50		50		ug/L			06/22/22 15:55	10
Acetone	<50	F1	50		ug/L			06/22/22 15:55	10
Chloroform	<5.0		5.0		ug/L			06/22/22 15:55	10
Benzene	**24**		5.0		ug/L			06/22/22 15:55	10
1,1,1-Trichloroethane	<5.0		5.0		ug/L			06/22/22 15:55	10
2,2-Dichloropropane	<5.0		5.0		ug/L			06/22/22 15:55	10
Bromomethane	<5.0		5.0		ug/L			06/22/22 15:55	10
Chloromethane	<5.0		5.0		ug/L			06/22/22 15:55	10
Bromochloromethane	<5.0		5.0		ug/L			06/22/22 15:55	10
Chloroethane	<5.0		5.0		ug/L			06/22/22 15:55	10
2-Chlorotoluene	<5.0		5.0		ug/L			06/22/22 15:55	10
Vinyl chloride	<5.0		5.0		ug/L			06/22/22 15:55	10
Methylene Chloride	<5.0		5.0		ug/L			06/22/22 15:55	10
Carbon disulfide	<10		10		ug/L			06/22/22 15:55	10
4-Chlorotoluene	<5.0		5.0		ug/L			06/22/22 15:55	10
Bromoform	<10		10		ug/L			06/22/22 15:55	10
Bromodichloromethane	<5.0		5.0		ug/L			06/22/22 15:55	10
1,1-Dichloroethane	<5.0		5.0		ug/L			06/22/22 15:55	10
1,1-Dichloroethene	<5.0		5.0		ug/L			06/22/22 15:55	10
Trichlorofluoromethane	<5.0		5.0		ug/L			06/22/22 15:55	10
Dichlorodifluoromethane	<5.0	cn	5.0		ug/L			06/22/22 15:55	10
1,2-Dichloropropane	<5.0		5.0		ug/L			06/22/22 15:55	10
2-Butanone	<50	F1	50		ug/L			06/22/22 15:55	10
1,1,2-Trichloroethane	<5.0		5.0		ug/L			06/22/22 15:55	10

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

Job ID: 410-87996-1

Client Sample ID: MW-2A-W-220616
Date Collected: 06/16/22 11:35
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<5.0		5.0		ug/L			06/22/22 15:55	10
Trichloroethene	<5.0		5.0		ug/L			06/22/22 15:55	10
1,1,2,2-Tetrachloroethane	<5.0		5.0		ug/L			06/22/22 15:55	10
1,2,3-Trichlorobenzene	<5.0		5.0		ug/L			06/22/22 15:55	10
1,2-Dichlorobenzene	<5.0		5.0		ug/L			06/22/22 15:55	10
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			06/22/22 15:55	10
Isopropylbenzene	**55**		5.0		ug/L			06/22/22 15:55	10
Dibromomethane	<5.0		5.0		ug/L			06/22/22 15:55	10
di-Isopropyl ether	<5.0		5.0		ug/L			06/22/22 15:55	10
Ethyl t-butyl ether	<5.0		5.0		ug/L			06/22/22 15:55	10
Hexachlorobutadiene	<5.0		5.0		ug/L			06/22/22 15:55	10
Naphthalene	**260**	**E**	5.0		ug/L			06/22/22 15:55	10
n-Butylbenzene	**5.4**		5.0		ug/L			06/22/22 15:55	10
N-Propylbenzene	**110**		5.0		ug/L			06/22/22 15:55	10
p-Isopropyltoluene	<5.0		5.0		ug/L			06/22/22 15:55	10
sec-Butylbenzene	<5.0		5.0		ug/L			06/22/22 15:55	10
t-Amyl methyl ether	<5.0		5.0		ug/L			06/22/22 15:55	10
t-Butyl alcohol	<100	F1	100		ug/L			06/22/22 15:55	10
tert-Butylbenzene	<5.0		5.0		ug/L			06/22/22 15:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/22/22 15:55*	*10*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/22/22 15:55*	*10*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/22/22 15:55*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/22/22 15:55*	*10*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**1300**		50		ug/L			06/22/22 16:56	100
1,2,4-Trimethylbenzene	**470**		50		ug/L			06/22/22 16:56	100
Xylenes, Total	**1300**		100		ug/L			06/22/22 16:56	100
Naphthalene	**310**		50		ug/L			06/22/22 16:56	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/22/22 16:56*	*100*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/22/22 16:56*	*100*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/22/22 16:56*	*100*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/22/22 16:56*	*100*

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

Job ID: 410-87996-1

Client Sample ID: MW-3A-W-220616
Date Collected: 06/16/22 12:05
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-3
Matrix: Groundwater

Method: 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			06/22/22 14:34	1
Ethylbenzene	**1.2**		0.50		ug/L			06/22/22 14:34	1
Styrene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/22/22 14:34	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 14:34	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			06/22/22 14:34	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/22/22 14:34	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/22/22 14:34	1
1,2,4-Trimethylbenzene	**0.86**		0.50		ug/L			06/22/22 14:34	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/22/22 14:34	1
Toluene	<0.50		0.50		ug/L			06/22/22 14:34	1
Chlorobenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
Dibromochloromethane	<0.50		0.50		ug/L			06/22/22 14:34	1
Tetrachloroethene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
Xylenes, Total	**1.3**		1.0		ug/L			06/22/22 14:34	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 14:34	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/22/22 14:34	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/22/22 14:34	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/22/22 14:34	1
2-Hexanone	<5.0		5.0		ug/L			06/22/22 14:34	1
Acetone	<5.0		5.0		ug/L			06/22/22 14:34	1
Chloroform	<0.50		0.50		ug/L			06/22/22 14:34	1
Benzene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/22/22 14:34	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 14:34	1
Bromomethane	<0.50		0.50		ug/L			06/22/22 14:34	1
Chloromethane	<0.50		0.50		ug/L			06/22/22 14:34	1
Bromochloromethane	<0.50		0.50		ug/L			06/22/22 14:34	1
Chloroethane	<0.50		0.50		ug/L			06/22/22 14:34	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 14:34	1
Vinyl chloride	<0.50		0.50		ug/L			06/22/22 14:34	1
Methylene Chloride	<0.50		0.50		ug/L			06/22/22 14:34	1
Carbon disulfide	<1.0		1.0		ug/L			06/22/22 14:34	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 14:34	1
Bromoform	<1.0		1.0		ug/L			06/22/22 14:34	1
Bromodichloromethane	<0.50		0.50		ug/L			06/22/22 14:34	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/22/22 14:34	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/22/22 14:34	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/22/22 14:34	1
Dichlorodifluoromethane	<0.50	cn	0.50		ug/L			06/22/22 14:34	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 14:34	1
2-Butanone	<5.0		5.0		ug/L			06/22/22 14:34	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/22/22 14:34	1

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

Job ID: 410-87996-1

Client Sample ID: MW-3A-W-220616
Date Collected: 06/16/22 12:05
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-3
Matrix: Groundwater

Method: 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			06/22/22 14:34	1
Trichloroethene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/22/22 14:34	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			06/22/22 14:34	1
Isopropylbenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
Dibromomethane	<0.50		0.50		ug/L			06/22/22 14:34	1
di-Isopropyl ether	<0.50		0.50		ug/L			06/22/22 14:34	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			06/22/22 14:34	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/22/22 14:34	1
Naphthalene	<0.50		0.50		ug/L			06/22/22 14:34	1
n-Butylbenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
N-Propylbenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/22/22 14:34	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/22/22 14:34	1
t-Amyl methyl ether	<0.50		0.50		ug/L			06/22/22 14:34	1
t-Butyl alcohol	<10		10		ug/L			06/22/22 14:34	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/22/22 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/22/22 14:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/22/22 14:34*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*06/22/22 14:34*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/22/22 14:34*	*1*

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

Job ID: 410-87996-1

Client Sample ID: MW-8-W-220616
Date Collected: 06/16/22 12:35
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-4
Matrix: Groundwater

Method: 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			06/22/22 14:54	1
Ethylbenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
Styrene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/22/22 14:54	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 14:54	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			06/22/22 14:54	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/22/22 14:54	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/22/22 14:54	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/22/22 14:54	1
Toluene	<0.50		0.50		ug/L			06/22/22 14:54	1
Chlorobenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
Dibromochloromethane	<0.50		0.50		ug/L			06/22/22 14:54	1
Tetrachloroethene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
Xylenes, Total	<1.0		1.0		ug/L			06/22/22 14:54	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 14:54	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/22/22 14:54	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/22/22 14:54	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/22/22 14:54	1
2-Hexanone	<5.0		5.0		ug/L			06/22/22 14:54	1
Acetone	<5.0		5.0		ug/L			06/22/22 14:54	1
Chloroform	<0.50		0.50		ug/L			06/22/22 14:54	1
Benzene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/22/22 14:54	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 14:54	1
Bromomethane	<0.50		0.50		ug/L			06/22/22 14:54	1
Chloromethane	<0.50		0.50		ug/L			06/22/22 14:54	1
Bromochloromethane	<0.50		0.50		ug/L			06/22/22 14:54	1
Chloroethane	<0.50		0.50		ug/L			06/22/22 14:54	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 14:54	1
Vinyl chloride	<0.50		0.50		ug/L			06/22/22 14:54	1
Methylene Chloride	<0.50		0.50		ug/L			06/22/22 14:54	1
Carbon disulfide	<1.0		1.0		ug/L			06/22/22 14:54	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 14:54	1
Bromoform	<1.0		1.0		ug/L			06/22/22 14:54	1
Bromodichloromethane	<0.50		0.50		ug/L			06/22/22 14:54	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/22/22 14:54	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/22/22 14:54	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/22/22 14:54	1
Dichlorodifluoromethane	<0.50	cn	0.50		ug/L			06/22/22 14:54	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 14:54	1
2-Butanone	<5.0		5.0		ug/L			06/22/22 14:54	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/22/22 14:54	1

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

Job ID: 410-87996-1

Client Sample ID: MW-8-W-220616
Date Collected: 06/16/22 12:35
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-4
Matrix: Groundwater

Method: 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			06/22/22 14:54	1
Trichloroethene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/22/22 14:54	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			06/22/22 14:54	1
Isopropylbenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
Dibromomethane	<0.50		0.50		ug/L			06/22/22 14:54	1
di-Isopropyl ether	<0.50		0.50		ug/L			06/22/22 14:54	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			06/22/22 14:54	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/22/22 14:54	1
Naphthalene	<0.50		0.50		ug/L			06/22/22 14:54	1
n-Butylbenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
N-Propylbenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/22/22 14:54	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/22/22 14:54	1
t-Amyl methyl ether	<0.50		0.50		ug/L			06/22/22 14:54	1
t-Butyl alcohol	<10		10		ug/L			06/22/22 14:54	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/22/22 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/22/22 14:54*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*06/22/22 14:54*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/22/22 14:54*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/22/22 14:54*	*1*

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

Job ID: 410-87996-1

Client Sample ID: MW-10-W-220616
Date Collected: 06/16/22 09:05
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-5
Matrix: Groundwater

Method: 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	cn	2.5		ug/L			06/22/22 15:14	5
Ethylbenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Styrene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,1-Dichloropropene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
cis-1,3-Dichloropropene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
trans-1,3-Dichloropropene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,2,3-Trichloropropane	<5.0	cn	5.0		ug/L			06/22/22 15:14	5
1,4-Dichlorobenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,2-Dibromoethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,2-Dichloroethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,2,4-Trimethylbenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
4-Methyl-2-pentanone	<25	cn	25		ug/L			06/22/22 15:14	5
Toluene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Chlorobenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,2,4-Trichlorobenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Dibromochloromethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Tetrachloroethene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,3,5-Trimethylbenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Xylenes, Total	<5.0	cn	5.0		ug/L			06/22/22 15:14	5
cis-1,2-Dichloroethene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
trans-1,2-Dichloroethene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,3-Dichloropropane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Methyl tertiary butyl ether	**4.3**	**cn**	2.5		ug/L			06/22/22 15:14	5
1,3-Dichlorobenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Carbon tetrachloride	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
2-Hexanone	<25	cn	25		ug/L			06/22/22 15:14	5
Acetone	<25	cn	25		ug/L			06/22/22 15:14	5
Chloroform	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Benzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,1,1-Trichloroethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
2,2-Dichloropropane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Bromomethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Chloromethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Bromochloromethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Chloroethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
2-Chlorotoluene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Vinyl chloride	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Methylene Chloride	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Carbon disulfide	<5.0	cn	5.0		ug/L			06/22/22 15:14	5
4-Chlorotoluene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Bromoform	<5.0	cn	5.0		ug/L			06/22/22 15:14	5
Bromodichloromethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,1-Dichloroethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,1-Dichloroethene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Trichlorofluoromethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Dichlorodifluoromethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,2-Dichloropropane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
2-Butanone	<25	cn	25		ug/L			06/22/22 15:14	5
1,1,2-Trichloroethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5

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

Job ID: 410-87996-1

Client Sample ID: MW-10-W-220616
Date Collected: 06/16/22 09:05
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Trichloroethene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,1,2,2-Tetrachloroethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,2,3-Trichlorobenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,2-Dichlorobenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
1,2-Dibromo-3-Chloropropane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Isopropylbenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Dibromomethane	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
di-Isopropyl ether	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Ethyl t-butyl ether	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Hexachlorobutadiene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
Naphthalene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
n-Butylbenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
N-Propylbenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
p-Isopropyltoluene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
sec-Butylbenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
t-Amyl methyl ether	<2.5	cn	2.5		ug/L			06/22/22 15:14	5
t-Butyl alcohol	<50	cn	50		ug/L			06/22/22 15:14	5
tert-Butylbenzene	<2.5	cn	2.5		ug/L			06/22/22 15:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*	*cn*	*80 - 120*		*06/22/22 15:14*	*5*
4-Bromofluorobenzene (Surr)	*94*	*cn*	*80 - 120*		*06/22/22 15:14*	*5*
Dibromofluoromethane (Surr)	*103*	*cn*	*80 - 120*		*06/22/22 15:14*	*5*
Toluene-d8 (Surr)	*96*	*cn*	*80 - 120*		*06/22/22 15:14*	*5*

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

Job ID: 410-87996-1

Client Sample ID: MW-11-W-220616
Date Collected: 06/16/22 09:40
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-6
Matrix: Groundwater

Method: 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			06/22/22 15:35	1
Ethylbenzene	**1.4**		0.50		ug/L			06/22/22 15:35	1
Styrene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/22/22 15:35	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 15:35	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			06/22/22 15:35	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/22/22 15:35	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/22/22 15:35	1
1,2,4-Trimethylbenzene	**0.84**		0.50		ug/L			06/22/22 15:35	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/22/22 15:35	1
Toluene	<0.50		0.50		ug/L			06/22/22 15:35	1
Chlorobenzene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 15:35	1
Dibromochloromethane	<0.50		0.50		ug/L			06/22/22 15:35	1
Tetrachloroethene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 15:35	1
Xylenes, Total	<1.0		1.0		ug/L			06/22/22 15:35	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 15:35	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/22/22 15:35	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/22/22 15:35	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 15:35	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/22/22 15:35	1
2-Hexanone	<5.0		5.0		ug/L			06/22/22 15:35	1
Acetone	<5.0		5.0		ug/L			06/22/22 15:35	1
Chloroform	<0.50		0.50		ug/L			06/22/22 15:35	1
Benzene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/22/22 15:35	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 15:35	1
Bromomethane	<0.50		0.50		ug/L			06/22/22 15:35	1
Chloromethane	<0.50		0.50		ug/L			06/22/22 15:35	1
Bromochloromethane	<0.50		0.50		ug/L			06/22/22 15:35	1
Chloroethane	<0.50		0.50		ug/L			06/22/22 15:35	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 15:35	1
Vinyl chloride	<0.50		0.50		ug/L			06/22/22 15:35	1
Methylene Chloride	<0.50		0.50		ug/L			06/22/22 15:35	1
Carbon disulfide	<1.0		1.0		ug/L			06/22/22 15:35	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 15:35	1
Bromoform	<1.0		1.0		ug/L			06/22/22 15:35	1
Bromodichloromethane	<0.50		0.50		ug/L			06/22/22 15:35	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/22/22 15:35	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/22/22 15:35	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/22/22 15:35	1
Dichlorodifluoromethane	<0.50	cn	0.50		ug/L			06/22/22 15:35	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 15:35	1
2-Butanone	<5.0		5.0		ug/L			06/22/22 15:35	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/22/22 15:35	1

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

Job ID: 410-87996-1

Client Sample ID: MW-11-W-220616
Date Collected: 06/16/22 09:40
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-6
Matrix: Groundwater

Method: 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			06/22/22 15:35	1
Trichloroethene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/22/22 15:35	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 15:35	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			06/22/22 15:35	1
Isopropylbenzene	**0.51**		0.50		ug/L			06/22/22 15:35	1
Dibromomethane	<0.50		0.50		ug/L			06/22/22 15:35	1
di-Isopropyl ether	<0.50		0.50		ug/L			06/22/22 15:35	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			06/22/22 15:35	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/22/22 15:35	1
Naphthalene	**0.91**		0.50		ug/L			06/22/22 15:35	1
n-Butylbenzene	<0.50		0.50		ug/L			06/22/22 15:35	1
N-Propylbenzene	**0.63**		0.50		ug/L			06/22/22 15:35	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/22/22 15:35	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/22/22 15:35	1
t-Amyl methyl ether	<0.50		0.50		ug/L			06/22/22 15:35	1
t-Butyl alcohol	<10		10		ug/L			06/22/22 15:35	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/22/22 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/22/22 15:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/22/22 15:35*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/22/22 15:35*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/22/22 15:35*	*1*

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

Job ID: 410-87996-1

Client Sample ID: DUP-01-W-220616
Date Collected: 06/16/22 10:30
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-7
Matrix: Groundwater

Method: 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	cn	2.5		ug/L			06/23/22 13:50	5
Styrene	<2.5		2.5		ug/L			06/23/22 13:50	5
1,1-Dichloropropene	<2.5		2.5		ug/L			06/23/22 13:50	5
cis-1,3-Dichloropropene	<2.5		2.5		ug/L			06/23/22 13:50	5
trans-1,3-Dichloropropene	<2.5	cn	2.5		ug/L			06/23/22 13:50	5
1,2,3-Trichloropropane	<5.0		5.0		ug/L			06/23/22 13:50	5
1,4-Dichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:50	5
1,2-Dibromoethane	<2.5		2.5		ug/L			06/23/22 13:50	5
1,2-Dichloroethane	<2.5		2.5		ug/L			06/23/22 13:50	5
4-Methyl-2-pentanone	<25	cn	25		ug/L			06/23/22 13:50	5
Chlorobenzene	<2.5		2.5		ug/L			06/23/22 13:50	5
1,2,4-Trichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:50	5
Dibromochloromethane	<2.5		2.5		ug/L			06/23/22 13:50	5
Tetrachloroethene	<2.5		2.5		ug/L			06/23/22 13:50	5
cis-1,2-Dichloroethene	<2.5		2.5		ug/L			06/23/22 13:50	5
trans-1,2-Dichloroethene	<2.5		2.5		ug/L			06/23/22 13:50	5
1,3-Dichloropropane	<2.5		2.5		ug/L			06/23/22 13:50	5
Methyl tertiary butyl ether	<2.5		2.5		ug/L			06/23/22 13:50	5
1,3-Dichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:50	5
Carbon tetrachloride	<2.5		2.5		ug/L			06/23/22 13:50	5
2-Hexanone	<25	cn	25		ug/L			06/23/22 13:50	5
Acetone	<25		25		ug/L			06/23/22 13:50	5
Chloroform	<2.5		2.5		ug/L			06/23/22 13:50	5
Benzene	**8.9**		2.5		ug/L			06/23/22 13:50	5
1,1,1-Trichloroethane	<2.5		2.5		ug/L			06/23/22 13:50	5
2,2-Dichloropropane	<2.5		2.5		ug/L			06/23/22 13:50	5
Bromomethane	<2.5		2.5		ug/L			06/23/22 13:50	5
Chloromethane	<2.5		2.5		ug/L			06/23/22 13:50	5
Bromochloromethane	<2.5		2.5		ug/L			06/23/22 13:50	5
Chloroethane	<2.5		2.5		ug/L			06/23/22 13:50	5
2-Chlorotoluene	<2.5		2.5		ug/L			06/23/22 13:50	5
Vinyl chloride	<2.5		2.5		ug/L			06/23/22 13:50	5
Methylene Chloride	<2.5		2.5		ug/L			06/23/22 13:50	5
Carbon disulfide	<5.0		5.0		ug/L			06/23/22 13:50	5
4-Chlorotoluene	<2.5		2.5		ug/L			06/23/22 13:50	5
Bromoform	<5.0		5.0		ug/L			06/23/22 13:50	5
Bromodichloromethane	<2.5		2.5		ug/L			06/23/22 13:50	5
1,1-Dichloroethane	<2.5		2.5		ug/L			06/23/22 13:50	5
1,1-Dichloroethene	<2.5		2.5		ug/L			06/23/22 13:50	5
Trichlorofluoromethane	<2.5	cn	2.5		ug/L			06/23/22 13:50	5
Dichlorodifluoromethane	<2.5	cn	2.5		ug/L			06/23/22 13:50	5
1,2-Dichloropropane	<2.5		2.5		ug/L			06/23/22 13:50	5
2-Butanone	<25	cn	25		ug/L			06/23/22 13:50	5
1,1,2-Trichloroethane	<2.5		2.5		ug/L			06/23/22 13:50	5
Bromobenzene	<2.5		2.5		ug/L			06/23/22 13:50	5
Trichloroethene	<2.5		2.5		ug/L			06/23/22 13:50	5
1,1,2,2-Tetrachloroethane	<2.5	*+	2.5		ug/L			06/23/22 13:50	5
1,2,3-Trichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:50	5
1,2-Dichlorobenzene	<2.5		2.5		ug/L			06/23/22 13:50	5

Client Sample ID: DUP-01-W-220616
Date Collected: 06/16/22 10:30
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-7
Matrix: Groundwater

Method: 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			06/23/22 13:50	5
Isopropylbenzene	**34**		2.5		ug/L			06/23/22 13:50	5
Dibromomethane	<2.5		2.5		ug/L			06/23/22 13:50	5
di-Isopropyl ether	<2.5		2.5		ug/L			06/23/22 13:50	5
Ethyl t-butyl ether	<2.5		2.5		ug/L			06/23/22 13:50	5
Hexachlorobutadiene	<2.5		2.5		ug/L			06/23/22 13:50	5
Naphthalene	**120**		2.5		ug/L			06/23/22 13:50	5
n-Butylbenzene	**11**		2.5		ug/L			06/23/22 13:50	5
N-Propylbenzene	**98**		2.5		ug/L			06/23/22 13:50	5
p-Isopropyltoluene	**4.3**		2.5		ug/L			06/23/22 13:50	5
sec-Butylbenzene	**6.8**		2.5		ug/L			06/23/22 13:50	5
t-Amyl methyl ether	<2.5		2.5		ug/L			06/23/22 13:50	5
t-Butyl alcohol	<50		50		ug/L			06/23/22 13:50	5
tert-Butylbenzene	<2.5		2.5		ug/L			06/23/22 13:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*06/23/22 13:50*	*5*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/23/22 13:50*	*5*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*06/23/22 13:50*	*5*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/23/22 13:50*	*5*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**430**		25		ug/L			06/22/22 20:00	50
1,2,4-Trimethylbenzene	**580**		25		ug/L			06/22/22 20:00	50
Toluene	**220**		25		ug/L			06/22/22 20:00	50
1,3,5-Trimethylbenzene	**160**		25		ug/L			06/22/22 20:00	50
Xylenes, Total	**1200**		50		ug/L			06/22/22 20:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/22/22 20:00*	*50*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*06/22/22 20:00*	*50*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/22/22 20:00*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/22/22 20:00*	*50*

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

Job ID: 410-87996-1

Client Sample ID: RB-01-W-220616
Date Collected: 06/16/22 11:00
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-8
Matrix: Water

Method: 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			06/22/22 12:11	1
Ethylbenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
Styrene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/22/22 12:11	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 12:11	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			06/22/22 12:11	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/22/22 12:11	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/22/22 12:11	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/22/22 12:11	1
Toluene	<0.50		0.50		ug/L			06/22/22 12:11	1
Chlorobenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
Dibromochloromethane	<0.50		0.50		ug/L			06/22/22 12:11	1
Tetrachloroethene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
Xylenes, Total	<1.0		1.0		ug/L			06/22/22 12:11	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 12:11	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/22/22 12:11	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/22/22 12:11	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/22/22 12:11	1
2-Hexanone	<5.0		5.0		ug/L			06/22/22 12:11	1
Acetone	<5.0		5.0		ug/L			06/22/22 12:11	1
Chloroform	**2.8**		0.50		ug/L			06/22/22 12:11	1
Benzene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/22/22 12:11	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 12:11	1
Bromomethane	<0.50		0.50		ug/L			06/22/22 12:11	1
Chloromethane	<0.50		0.50		ug/L			06/22/22 12:11	1
Bromochloromethane	<0.50		0.50		ug/L			06/22/22 12:11	1
Chloroethane	<0.50		0.50		ug/L			06/22/22 12:11	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 12:11	1
Vinyl chloride	<0.50		0.50		ug/L			06/22/22 12:11	1
Methylene Chloride	<0.50		0.50		ug/L			06/22/22 12:11	1
Carbon disulfide	<1.0		1.0		ug/L			06/22/22 12:11	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 12:11	1
Bromoform	<1.0		1.0		ug/L			06/22/22 12:11	1
Bromodichloromethane	<0.50		0.50		ug/L			06/22/22 12:11	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/22/22 12:11	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/22/22 12:11	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/22/22 12:11	1
Dichlorodifluoromethane	<0.50	cn	0.50		ug/L			06/22/22 12:11	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 12:11	1
2-Butanone	<5.0		5.0		ug/L			06/22/22 12:11	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/22/22 12:11	1

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

Job ID: 410-87996-1

Client Sample ID: RB-01-W-220616
Date Collected: 06/16/22 11:00
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-8
Matrix: Water

Method: 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			06/22/22 12:11	1
Trichloroethene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/22/22 12:11	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			06/22/22 12:11	1
Isopropylbenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
Dibromomethane	<0.50		0.50		ug/L			06/22/22 12:11	1
di-Isopropyl ether	<0.50		0.50		ug/L			06/22/22 12:11	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			06/22/22 12:11	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/22/22 12:11	1
Naphthalene	<0.50		0.50		ug/L			06/22/22 12:11	1
n-Butylbenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
N-Propylbenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/22/22 12:11	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/22/22 12:11	1
t-Amyl methyl ether	<0.50		0.50		ug/L			06/22/22 12:11	1
t-Butyl alcohol	<10		10		ug/L			06/22/22 12:11	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/22/22 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/22/22 12:11*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/22/22 12:11*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/22/22 12:11*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/22/22 12:11*	*1*

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

Job ID: 410-87996-1

Client Sample ID: Trip Blank
Date Collected: 06/16/22 00:00
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-9
Matrix: Water

Method: 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			06/22/22 11:50	1
Ethylbenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
Styrene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/22/22 11:50	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 11:50	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			06/22/22 11:50	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/22/22 11:50	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/22/22 11:50	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/22/22 11:50	1
Toluene	<0.50		0.50		ug/L			06/22/22 11:50	1
Chlorobenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
Dibromochloromethane	<0.50		0.50		ug/L			06/22/22 11:50	1
Tetrachloroethene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
Xylenes, Total	<1.0		1.0		ug/L			06/22/22 11:50	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 11:50	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/22/22 11:50	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/22/22 11:50	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/22/22 11:50	1
2-Hexanone	<5.0		5.0		ug/L			06/22/22 11:50	1
Acetone	<5.0		5.0		ug/L			06/22/22 11:50	1
Chloroform	<0.50		0.50		ug/L			06/22/22 11:50	1
Benzene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/22/22 11:50	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 11:50	1
Bromomethane	<0.50		0.50		ug/L			06/22/22 11:50	1
Chloromethane	<0.50		0.50		ug/L			06/22/22 11:50	1
Bromochloromethane	<0.50		0.50		ug/L			06/22/22 11:50	1
Chloroethane	<0.50		0.50		ug/L			06/22/22 11:50	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 11:50	1
Vinyl chloride	<0.50		0.50		ug/L			06/22/22 11:50	1
Methylene Chloride	<0.50		0.50		ug/L			06/22/22 11:50	1
Carbon disulfide	<1.0		1.0		ug/L			06/22/22 11:50	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 11:50	1
Bromoform	<1.0		1.0		ug/L			06/22/22 11:50	1
Bromodichloromethane	<0.50		0.50		ug/L			06/22/22 11:50	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/22/22 11:50	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/22/22 11:50	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/22/22 11:50	1
Dichlorodifluoromethane	<0.50	cn	0.50		ug/L			06/22/22 11:50	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 11:50	1
2-Butanone	<5.0		5.0		ug/L			06/22/22 11:50	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/22/22 11:50	1

Client Sample ID: Trip Blank
Date Collected: 06/16/22 00:00
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-9
Matrix: Water

Method: 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			06/22/22 11:50	1
Trichloroethene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/22/22 11:50	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			06/22/22 11:50	1
Isopropylbenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
Dibromomethane	<0.50		0.50		ug/L			06/22/22 11:50	1
di-Isopropyl ether	<0.50		0.50		ug/L			06/22/22 11:50	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			06/22/22 11:50	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/22/22 11:50	1
Naphthalene	<0.50		0.50		ug/L			06/22/22 11:50	1
n-Butylbenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
N-Propylbenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/22/22 11:50	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/22/22 11:50	1
t-Amyl methyl ether	<0.50		0.50		ug/L			06/22/22 11:50	1
t-Butyl alcohol	<10		10		ug/L			06/22/22 11:50	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/22/22 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/22/22 11:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/22/22 11:50*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/22/22 11:50*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/22/22 11:50*	*1*

Surrogate Summary

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

Job ID: 410-87996-1

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

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-87996-1 - DL	MW-1A-W-220616	103	95	101	97
410-87996-1	MW-1A-W-220616	93	101	86	108
410-87996-2	MW-2A-W-220616	103	98	102	97
410-87996-2 - DL	MW-2A-W-220616	102	96	101	97
410-87996-2 MS	MW-2A-W-220616	103	98	103	99
410-87996-2 MSD	MW-2A-W-220616	102	98	102	99
410-87996-3	MW-3A-W-220616	104	96	105	96
410-87996-4	MW-8-W-220616	104	93	102	96
410-87996-5	MW-10-W-220616	103 cn	94 cn	103 cn	96 cn
410-87996-6	MW-11-W-220616	103	95	102	97
410-87996-7 - DL	DUP-01-W-220616	104	97	99	97
410-87996-7	DUP-01-W-220616	95	101	87	108

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**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-87996-8	RB-01-W-220616	104	96	102	97
410-87996-9	Trip Blank	105	98	102	98
LCS 410-268048/4	Lab Control Sample	100	97	100	98
LCS 410-268505/4	Lab Control Sample	103	101	88	108
LCSD 410-268048/5	Lab Control Sample Dup	104	96	101	97
MB 410-268048/7	Method Blank	104	94	103	97
MB 410-268505/6	Method Blank	96	99	88	106

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

Lab Sample ID: MB 410-268048/7
Matrix: Water
Analysis Batch: 268048

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			06/22/22 11:30	1
Ethylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Styrene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/22/22 11:30	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 11:30	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			06/22/22 11:30	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/22/22 11:30	1
Toluene	<0.50		0.50		ug/L			06/22/22 11:30	1
Chlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Dibromochloromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Tetrachloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Xylenes, Total	<1.0		1.0		ug/L			06/22/22 11:30	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/22/22 11:30	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/22/22 11:30	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/22/22 11:30	1
2-Hexanone	<5.0		5.0		ug/L			06/22/22 11:30	1
Acetone	<5.0		5.0		ug/L			06/22/22 11:30	1
Chloroform	<0.50		0.50		ug/L			06/22/22 11:30	1
Benzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 11:30	1
Bromomethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Chloromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Bromochloromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Chloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 11:30	1
Vinyl chloride	<0.50		0.50		ug/L			06/22/22 11:30	1
Methylene Chloride	<0.50		0.50		ug/L			06/22/22 11:30	1
Carbon disulfide	<1.0		1.0		ug/L			06/22/22 11:30	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 11:30	1
Bromoform	<1.0		1.0		ug/L			06/22/22 11:30	1
Bromodichloromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 11:30	1
2-Butanone	<5.0		5.0		ug/L			06/22/22 11:30	1

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

Lab Sample ID: MB 410-268048/7
Matrix: Water
Analysis Batch: 268048

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			06/22/22 11:30	1
Bromobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Trichloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			06/22/22 11:30	1
Isopropylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Dibromomethane	<0.50		0.50		ug/L			06/22/22 11:30	1
di-Isopropyl ether	<0.50		0.50		ug/L			06/22/22 11:30	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			06/22/22 11:30	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/22/22 11:30	1
Naphthalene	<0.50		0.50		ug/L			06/22/22 11:30	1
n-Butylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
N-Propylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/22/22 11:30	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
t-Amyl methyl ether	<0.50		0.50		ug/L			06/22/22 11:30	1
t-Butyl alcohol	<10		10		ug/L			06/22/22 11:30	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/22/22 11:30*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*06/22/22 11:30*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/22/22 11:30*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/22/22 11:30*	*1*

Lab Sample ID: LCS 410-268048/4
Matrix: Water
Analysis Batch: 268048

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	5.08		ug/L		102	71 - 134
Ethylbenzene	5.00	4.80		ug/L		96	80 - 120
Styrene	5.00	5.20		ug/L		104	80 - 120
1,1-Dichloropropene	5.00	4.97		ug/L		99	74 - 120
cis-1,3-Dichloropropene	5.00	5.05		ug/L		101	67 - 121
trans-1,3-Dichloropropene	5.00	4.77		ug/L		95	61 - 129
1,2,3-Trichloropropane	5.00	4.69		ug/L		94	80 - 125
1,4-Dichlorobenzene	5.00	5.00		ug/L		100	80 - 120
1,2-Dibromoethane	5.00	4.96		ug/L		99	80 - 120
1,2-Dichloroethane	5.00	4.51		ug/L		90	69 - 122
1,2,4-Trimethylbenzene	5.00	4.76		ug/L		95	80 - 120
4-Methyl-2-pentanone	62.5	66.2		ug/L		106	55 - 140
Toluene	5.00	4.98		ug/L		100	80 - 120
Chlorobenzene	5.00	4.97		ug/L		99	80 - 120
1,2,4-Trichlorobenzene	5.00	4.93		ug/L		99	68 - 122
Dibromochloromethane	5.00	5.31		ug/L		106	64 - 138

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

Lab Sample ID: LCS 410-268048/4
Matrix: Water
Analysis Batch: 268048

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	5.29		ug/L		106	80 - 120
1,3,5-Trimethylbenzene	5.00	4.78		ug/L		96	80 - 120
Xylenes, Total	15.0	15.2		ug/L		101	80 - 120
cis-1,2-Dichloroethene	5.00	5.15		ug/L		103	80 - 122
trans-1,2-Dichloroethene	5.00	4.92		ug/L		98	80 - 122
1,3-Dichloropropane	5.00	4.84		ug/L		97	80 - 120
Methyl tertiary butyl ether	5.00	4.61		ug/L		92	69 - 120
1,3-Dichlorobenzene	5.00	5.04		ug/L		101	80 - 120
Carbon tetrachloride	5.00	5.03		ug/L		101	64 - 141
2-Hexanone	62.5	66.9		ug/L		107	52 - 140
Acetone	62.5	59.6		ug/L		95	60 - 146
Chloroform	5.00	4.81		ug/L		96	80 - 120
Benzene	5.00	5.10		ug/L		102	80 - 120
1,1,1-Trichloroethane	5.00	4.84		ug/L		97	78 - 126
2,2-Dichloropropane	5.00	4.77		ug/L		95	61 - 141
Bromomethane	5.00	4.68		ug/L		94	60 - 136
Chloromethane	5.00	4.39		ug/L		88	56 - 124
Bromochloromethane	5.00	5.44		ug/L		109	80 - 120
Chloroethane	5.00	4.59		ug/L		92	63 - 120
2-Chlorotoluene	5.00	4.85		ug/L		97	80 - 120
Vinyl chloride	5.00	4.60		ug/L		92	60 - 125
Methylene Chloride	5.00	5.01		ug/L		100	80 - 120
Carbon disulfide	5.00	5.50		ug/L		110	67 - 130
4-Chlorotoluene	5.00	4.98		ug/L		100	80 - 120
Bromoform	5.00	5.42		ug/L		108	49 - 144
Bromodichloromethane	5.00	5.23		ug/L		105	73 - 124
1,1-Dichloroethane	5.00	4.52		ug/L		90	74 - 120
1,1-Dichloroethene	5.00	5.24		ug/L		105	80 - 131
Trichlorofluoromethane	5.00	4.38		ug/L		88	62 - 136
Dichlorodifluoromethane	5.00	4.24		ug/L		85	43 - 123
1,2-Dichloropropane	5.00	4.96		ug/L		99	80 - 120
2-Butanone	62.5	66.1		ug/L		106	59 - 141
1,1,2-Trichloroethane	5.00	5.08		ug/L		102	80 - 120
Bromobenzene	5.00	5.24		ug/L		105	80 - 120
Trichloroethene	5.00	5.14		ug/L		103	80 - 120
1,1,2,2-Tetrachloroethane	5.00	4.61		ug/L		92	75 - 123
1,2,3-Trichlorobenzene	5.00	4.88		ug/L		98	68 - 125
1,2-Dichlorobenzene	5.00	4.94		ug/L		99	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	4.44		ug/L		89	56 - 148
Isopropylbenzene	5.00	4.96		ug/L		99	80 - 120
Dibromomethane	5.00	5.16		ug/L		103	80 - 122
di-Isopropyl ether	5.00	4.34		ug/L		87	58 - 131
Ethyl t-butyl ether	5.00	4.59		ug/L		92	57 - 126
Hexachlorobutadiene	5.00	4.81		ug/L		96	72 - 132
Naphthalene	5.00	4.51		ug/L		90	64 - 122
n-Butylbenzene	5.00	4.79		ug/L		96	74 - 123
N-Propylbenzene	5.00	4.68		ug/L		94	74 - 122
p-Isopropyltoluene	5.00	4.98		ug/L		100	80 - 120
sec-Butylbenzene	5.00	4.82		ug/L		96	80 - 120

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

Lab Sample ID: LCS 410-268048/4
Matrix: Water
Analysis Batch: 268048

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	4.77		ug/L		95	65 - 125		
t-Butyl alcohol			50.0	49.6		ug/L		99	62 - 138		
tert-Butylbenzene			5.00	4.87		ug/L		97	79 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 410-268048/5
Matrix: Water
Analysis Batch: 268048

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	5.11		ug/L		102	71 - 134	1	30
Ethylbenzene			5.00	4.77		ug/L		95	80 - 120	1	30
Styrene			5.00	5.16		ug/L		103	80 - 120	1	30
1,1-Dichloropropene			5.00	4.96		ug/L		99	74 - 120	0	30
cis-1,3-Dichloropropene			5.00	5.00		ug/L		100	67 - 121	1	30
trans-1,3-Dichloropropene			5.00	4.70		ug/L		94	61 - 129	1	30
1,2,3-Trichloropropane			5.00	4.74		ug/L		95	80 - 125	1	30
1,4-Dichlorobenzene			5.00	4.81		ug/L		96	80 - 120	4	30
1,2-Dibromoethane			5.00	4.94		ug/L		99	80 - 120	1	30
1,2-Dichloroethane			5.00	4.54		ug/L		91	69 - 122	1	30
1,2,4-Trimethylbenzene			5.00	4.57		ug/L		91	80 - 120	4	30
4-Methyl-2-pentanone			62.5	59.0		ug/L		94	55 - 140	12	30
Toluene			5.00	4.89		ug/L		98	80 - 120	2	30
Chlorobenzene			5.00	5.01		ug/L		100	80 - 120	1	30
1,2,4-Trichlorobenzene			5.00	4.74		ug/L		95	68 - 122	4	30
Dibromochloromethane			5.00	5.22		ug/L		104	64 - 138	2	30
Tetrachloroethene			5.00	5.22		ug/L		104	80 - 120	1	30
1,3,5-Trimethylbenzene			5.00	4.63		ug/L		93	80 - 120	3	30
Xylenes, Total			15.0	15.0		ug/L		100	80 - 120	1	30
cis-1,2-Dichloroethene			5.00	5.07		ug/L		101	80 - 122	1	30
trans-1,2-Dichloroethene			5.00	4.84		ug/L		97	80 - 122	2	30
1,3-Dichloropropane			5.00	4.79		ug/L		96	80 - 120	1	30
Methyl tertiary butyl ether			5.00	4.54		ug/L		91	69 - 120	2	30
1,3-Dichlorobenzene			5.00	4.80		ug/L		96	80 - 120	5	30
Carbon tetrachloride			5.00	5.08		ug/L		102	64 - 141	1	30
2-Hexanone			62.5	60.0		ug/L		96	52 - 140	11	30
Acetone			62.5	54.6		ug/L		87	60 - 146	9	30
Chloroform			5.00	4.82		ug/L		96	80 - 120	0	30
Benzene			5.00	5.05		ug/L		101	80 - 120	1	30
1,1,1-Trichloroethane			5.00	4.91		ug/L		98	78 - 126	1	30
2,2-Dichloropropane			5.00	4.71		ug/L		94	61 - 141	1	30
Bromomethane			5.00	4.62		ug/L		92	60 - 136	1	30
Chloromethane			5.00	4.39		ug/L		88	56 - 124	0	30

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

Lab Sample ID: LCSD 410-268048/5
Matrix: Water
Analysis Batch: 268048

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	5.24		ug/L		105	80 - 120	4	30
Chloroethane			5.00	4.45		ug/L		89	63 - 120	3	30
2-Chlorotoluene			5.00	4.76		ug/L		95	80 - 120	2	30
Vinyl chloride			5.00	4.55		ug/L		91	60 - 125	1	30
Methylene Chloride			5.00	4.88		ug/L		98	80 - 120	3	30
Carbon disulfide			5.00	5.38		ug/L		108	67 - 130	2	30
4-Chlorotoluene			5.00	4.84		ug/L		97	80 - 120	3	30
Bromoform			5.00	5.33		ug/L		107	49 - 144	2	30
Bromodichloromethane			5.00	5.11		ug/L		102	73 - 124	2	30
1,1-Dichloroethane			5.00	4.50		ug/L		90	74 - 120	0	30
1,1-Dichloroethene			5.00	5.07		ug/L		101	80 - 131	3	30
Trichlorofluoromethane			5.00	4.28		ug/L		86	62 - 136	2	30
Dichlorodifluoromethane			5.00	4.18		ug/L		84	43 - 123	1	30
1,2-Dichloropropane			5.00	4.92		ug/L		98	80 - 120	1	30
2-Butanone			62.5	59.3		ug/L		95	59 - 141	11	30
1,1,2-Trichloroethane			5.00	4.98		ug/L		100	80 - 120	2	30
Bromobenzene			5.00	5.12		ug/L		102	80 - 120	2	30
Trichloroethene			5.00	5.07		ug/L		101	80 - 120	1	30
1,1,2,2-Tetrachloroethane			5.00	4.50		ug/L		90	75 - 123	2	30
1,2,3-Trichlorobenzene			5.00	4.67		ug/L		93	68 - 125	5	30
1,2-Dichlorobenzene			5.00	4.80		ug/L		96	80 - 120	3	30
1,2-Dibromo-3-Chloropropane			5.00	4.51		ug/L		90	56 - 148	2	30
Isopropylbenzene			5.00	4.86		ug/L		97	80 - 120	2	30
Dibromomethane			5.00	5.03		ug/L		101	80 - 122	3	30
di-Isopropyl ether			5.00	4.25		ug/L		85	58 - 131	2	30
Ethyl t-butyl ether			5.00	4.47		ug/L		89	57 - 126	3	30
Hexachlorobutadiene			5.00	4.69		ug/L		94	72 - 132	3	30
Naphthalene			5.00	4.29		ug/L		86	64 - 122	5	30
n-Butylbenzene			5.00	4.62		ug/L		92	74 - 123	4	30
N-Propylbenzene			5.00	4.52		ug/L		90	74 - 122	4	30
p-Isopropyltoluene			5.00	4.85		ug/L		97	80 - 120	3	30
sec-Butylbenzene			5.00	4.69		ug/L		94	80 - 120	3	30
t-Amyl methyl ether			5.00	4.72		ug/L		94	65 - 125	1	30
t-Butyl alcohol			50.0	50.9		ug/L		102	62 - 138	3	30
tert-Butylbenzene			5.00	4.76		ug/L		95	79 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 410-87996-2 MS
Matrix: Groundwater
Analysis Batch: 268048

Client Sample ID: MW-2A-W-220616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<5.0		50.0	50.8		ug/L		102	71 - 134

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

Lab Sample ID: 410-87996-2 MS
Matrix: Groundwater
Analysis Batch: 268048

Client Sample ID: MW-2A-W-220616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	640	E	50.0	635	E 4	ug/L		-4	80 - 120
Styrene	<5.0		50.0	57.8		ug/L		115	80 - 120
1,1-Dichloropropene	<5.0		50.0	48.8		ug/L		97	74 - 120
cis-1,3-Dichloropropene	<5.0		50.0	49.7		ug/L		99	67 - 121
trans-1,3-Dichloropropene	<5.0		50.0	46.3		ug/L		93	61 - 129
1,2,3-Trichloropropane	<10		50.0	48.4		ug/L		97	80 - 125
1,4-Dichlorobenzene	<5.0		50.0	50.9		ug/L		102	80 - 120
1,2-Dibromoethane	<5.0		50.0	47.9		ug/L		96	80 - 120
1,2-Dichloroethane	<5.0		50.0	42.9		ug/L		86	69 - 122
1,2,4-Trimethylbenzene	430	E	50.0	456	E 4	ug/L		51	80 - 120
4-Methyl-2-pentanone	<50		626	360		ug/L		58	55 - 140
Toluene	100		50.0	152		ug/L		101	80 - 120
Chlorobenzene	<5.0		50.0	50.3		ug/L		100	80 - 120
1,2,4-Trichlorobenzene	<5.0		50.0	50.6		ug/L		101	68 - 122
Dibromochloromethane	<5.0		50.0	51.4		ug/L		103	64 - 138
Tetrachloroethene	<5.0		50.0	52.6		ug/L		105	80 - 120
1,3,5-Trimethylbenzene	59		50.0	108		ug/L		99	80 - 120
Xylenes, Total	1200	E	150	1380	4	ug/L		110	80 - 120
cis-1,2-Dichloroethene	<5.0		50.0	51.2		ug/L		102	80 - 122
trans-1,2-Dichloroethene	<5.0		50.0	46.9		ug/L		94	80 - 122
1,3-Dichloropropane	<5.0		50.0	46.2		ug/L		92	80 - 120
Methyl tertiary butyl ether	5.9		50.0	49.3		ug/L		87	69 - 120
1,3-Dichlorobenzene	<5.0		50.0	50.7		ug/L		101	80 - 120
Carbon tetrachloride	<5.0		50.0	50.5		ug/L		101	64 - 141
2-Hexanone	<50		626	375		ug/L		60	52 - 140
Acetone	<50	F1	626	369	F1	ug/L		59	60 - 146
Chloroform	<5.0		50.0	53.3		ug/L		107	80 - 120
Benzene	24		50.0	72.3		ug/L		97	80 - 120
1,1,1-Trichloroethane	<5.0		50.0	47.5		ug/L		95	78 - 126
2,2-Dichloropropane	<5.0		50.0	45.8		ug/L		92	61 - 141
Bromomethane	<5.0		50.0	50.3		ug/L		100	60 - 136
Chloromethane	<5.0		50.0	47.4		ug/L		95	80 - 120
Bromochloromethane	<5.0		50.0	51.9		ug/L		104	80 - 120
Chloroethane	<5.0		50.0	48.7		ug/L		97	63 - 120
2-Chlorotoluene	<5.0		50.0	50.0		ug/L		100	80 - 120
Vinyl chloride	<5.0		50.0	48.5		ug/L		97	60 - 125
Methylene Chloride	<5.0		50.0	47.8		ug/L		95	80 - 120
Carbon disulfide	<10		50.0	47.5		ug/L		95	67 - 130
4-Chlorotoluene	<5.0		50.0	50.0		ug/L		100	80 - 120
Bromoform	<10		50.0	53.2		ug/L		106	49 - 144
Bromodichloromethane	<5.0		50.0	52.3		ug/L		105	73 - 124
1,1-Dichloroethane	<5.0		50.0	45.7		ug/L		91	74 - 120
1,1-Dichloroethene	<5.0		50.0	49.3		ug/L		99	80 - 131
Trichlorofluoromethane	<5.0		50.0	50.7		ug/L		101	62 - 136
Dichlorodifluoromethane	<5.0	cn	50.0	52.9		ug/L		106	43 - 123
1,2-Dichloropropane	<5.0		50.0	49.5		ug/L		99	80 - 120
2-Butanone	<50	F1	626	336	F1	ug/L		54	59 - 141
1,1,2-Trichloroethane	<5.0		50.0	54.2		ug/L		108	80 - 120
Bromobenzene	<5.0		50.0	53.1		ug/L		106	80 - 120

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

Lab Sample ID: 410-87996-2 MS
Matrix: Groundwater
Analysis Batch: 268048

Client Sample ID: MW-2A-W-220616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	<5.0		50.0	53.4		ug/L		107	80 - 120
1,1,2,2-Tetrachloroethane	<5.0		50.0	45.6		ug/L		91	75 - 123
1,2,3-Trichlorobenzene	<5.0		50.0	49.0		ug/L		98	68 - 125
1,2-Dichlorobenzene	<5.0		50.0	50.4		ug/L		101	80 - 120
1,2-Dibromo-3-Chloropropane	<5.0		50.0	48.3		ug/L		96	56 - 148
Isopropylbenzene	55		50.0	108		ug/L		104	80 - 120
Dibromomethane	<5.0		50.0	49.2		ug/L		98	80 - 122
di-Isopropyl ether	<5.0		50.0	41.4		ug/L		83	58 - 131
Ethyl t-butyl ether	<5.0		50.0	44.1		ug/L		88	57 - 126
Hexachlorobutadiene	<5.0		50.0	52.0		ug/L		104	72 - 132
Naphthalene	260	E	50.0	303	E 4	ug/L		95	64 - 122
n-Butylbenzene	5.4		50.0	54.1		ug/L		97	74 - 123
N-Propylbenzene	110		50.0	152		ug/L		94	74 - 122
p-Isopropyltoluene	<5.0		50.0	53.5		ug/L		102	80 - 120
sec-Butylbenzene	<5.0		50.0	54.7		ug/L		100	80 - 120
t-Amyl methyl ether	<5.0		50.0	46.1		ug/L		92	65 - 125
t-Butyl alcohol	<100	F1	500	229	F1	ug/L		46	62 - 138
tert-Butylbenzene	<5.0		50.0	51.2		ug/L		102	79 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 410-87996-2 MSD
Matrix: Groundwater
Analysis Batch: 268048

Client Sample ID: MW-2A-W-220616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<5.0		50.0	52.8		ug/L		106	71 - 134	4	30
Ethylbenzene	640	E	50.0	646	E 4	ug/L		18	80 - 120	2	30
Styrene	<5.0		50.0	59.3		ug/L		118	80 - 120	3	30
1,1-Dichloropropene	<5.0		50.0	50.1		ug/L		100	74 - 120	3	30
cis-1,3-Dichloropropene	<5.0		50.0	50.3		ug/L		100	67 - 121	1	30
trans-1,3-Dichloropropene	<5.0		50.0	47.2		ug/L		94	61 - 129	2	30
1,2,3-Trichloropropane	<10		50.0	48.8		ug/L		97	80 - 125	1	30
1,4-Dichlorobenzene	<5.0		50.0	52.4		ug/L		105	80 - 120	3	30
1,2-Dibromoethane	<5.0		50.0	49.2		ug/L		98	80 - 120	3	30
1,2-Dichloroethane	<5.0		50.0	45.3		ug/L		91	69 - 122	5	30
1,2,4-Trimethylbenzene	430	E	50.0	457	E 4	ug/L		53	80 - 120	0	30
4-Methyl-2-pentanone	<50		626	347		ug/L		55	55 - 140	4	30
Toluene	100		50.0	152		ug/L		101	80 - 120	0	30
Chlorobenzene	<5.0		50.0	52.0		ug/L		104	80 - 120	3	30
1,2,4-Trichlorobenzene	<5.0		50.0	52.8		ug/L		106	68 - 122	4	30
Dibromochloromethane	<5.0		50.0	52.3		ug/L		104	64 - 138	2	30
Tetrachloroethene	<5.0		50.0	54.1		ug/L		108	80 - 120	3	30
1,3,5-Trimethylbenzene	59		50.0	108		ug/L		99	80 - 120	0	30

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

Lab Sample ID: 410-87996-2 MSD
Matrix: Groundwater
Analysis Batch: 268048

Client Sample ID: MW-2A-W-220616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	1200	E	150	1380	4	ug/L		116	80 - 120	1	30
cis-1,2-Dichloroethene	<5.0		50.0	52.1		ug/L		104	80 - 122	2	30
trans-1,2-Dichloroethene	<5.0		50.0	48.9		ug/L		98	80 - 122	4	30
1,3-Dichloropropane	<5.0		50.0	46.9		ug/L		94	80 - 120	2	30
Methyl tertiary butyl ether	5.9		50.0	50.3		ug/L		89	69 - 120	2	30
1,3-Dichlorobenzene	<5.0		50.0	51.9		ug/L		104	80 - 120	2	30
Carbon tetrachloride	<5.0		50.0	51.6		ug/L		103	64 - 141	2	30
2-Hexanone	<50		626	363		ug/L		58	52 - 140	3	30
Acetone	<50	F1	626	365	F1	ug/L		58	60 - 146	1	30
Chloroform	<5.0		50.0	53.7		ug/L		107	80 - 120	1	30
Benzene	24		50.0	73.3		ug/L		99	80 - 120	1	30
1,1,1-Trichloroethane	<5.0		50.0	48.7		ug/L		97	78 - 126	2	30
2,2-Dichloropropane	<5.0		50.0	48.0		ug/L		96	61 - 141	5	30
Bromomethane	<5.0		50.0	51.7		ug/L		103	60 - 136	3	30
Chloromethane	<5.0		50.0	47.7		ug/L		95	80 - 120	1	30
Bromochloromethane	<5.0		50.0	52.5		ug/L		105	80 - 120	1	30
Chloroethane	<5.0		50.0	50.1		ug/L		100	63 - 120	3	30
2-Chlorotoluene	<5.0		50.0	50.6		ug/L		101	80 - 120	1	30
Vinyl chloride	<5.0		50.0	49.8		ug/L		100	60 - 125	3	30
Methylene Chloride	<5.0		50.0	47.8		ug/L		96	80 - 120	0	30
Carbon disulfide	<10		50.0	48.5		ug/L		97	67 - 130	2	30
4-Chlorotoluene	<5.0		50.0	51.3		ug/L		102	80 - 120	3	30
Bromoform	<10		50.0	54.9		ug/L		110	49 - 144	3	30
Bromodichloromethane	<5.0		50.0	51.6		ug/L		103	73 - 124	1	30
1,1-Dichloroethane	<5.0		50.0	47.0		ug/L		94	74 - 120	3	30
1,1-Dichloroethene	<5.0		50.0	49.7		ug/L		99	80 - 131	1	30
Trichlorofluoromethane	<5.0		50.0	52.8		ug/L		106	62 - 136	4	30
Dichlorodifluoromethane	<5.0	cn	50.0	52.1		ug/L		104	43 - 123	2	30
1,2-Dichloropropane	<5.0		50.0	49.6		ug/L		99	80 - 120	0	30
2-Butanone	<50	F1	626	357	F1	ug/L		57	59 - 141	6	30
1,1,2-Trichloroethane	<5.0		50.0	54.8		ug/L		109	80 - 120	1	30
Bromobenzene	<5.0		50.0	54.0		ug/L		108	80 - 120	2	30
Trichloroethene	<5.0		50.0	53.6		ug/L		107	80 - 120	0	30
1,1,2,2-Tetrachloroethane	<5.0		50.0	47.0		ug/L		94	75 - 123	3	30
1,2,3-Trichlorobenzene	<5.0		50.0	50.7		ug/L		101	68 - 125	3	30
1,2-Dichlorobenzene	<5.0		50.0	51.3		ug/L		103	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	<5.0		50.0	49.4		ug/L		99	56 - 148	2	30
Isopropylbenzene	55		50.0	110		ug/L		108	80 - 120	2	30
Dibromomethane	<5.0		50.0	50.5		ug/L		101	80 - 122	3	30
di-Isopropyl ether	<5.0		50.0	43.4		ug/L		87	58 - 131	5	30
Ethyl t-butyl ether	<5.0		50.0	45.7		ug/L		91	57 - 126	4	30
Hexachlorobutadiene	<5.0		50.0	53.9		ug/L		108	72 - 132	4	30
Naphthalene	260	E	50.0	303	E 4	ug/L		95	64 - 122	0	30
n-Butylbenzene	5.4		50.0	56.9		ug/L		103	74 - 123	5	30
N-Propylbenzene	110		50.0	151		ug/L		91	74 - 122	1	30
p-Isopropyltoluene	<5.0		50.0	54.6		ug/L		104	80 - 120	2	30
sec-Butylbenzene	<5.0		50.0	56.2		ug/L		103	80 - 120	3	30
t-Amyl methyl ether	<5.0		50.0	47.9		ug/L		96	65 - 125	4	30
t-Butyl alcohol	<100	F1	500	295	F1	ug/L		59	62 - 138	25	30

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

Lab Sample ID: 410-87996-2 MSD
Matrix: Groundwater
Analysis Batch: 268048

Client Sample ID: MW-2A-W-220616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
tert-Butylbenzene	<5.0		50.0	51.8		ug/L		103	79 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 410-268505/6
Matrix: Water
Analysis Batch: 268505

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			06/23/22 10:28	1
Ethylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Styrene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/23/22 10:28	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/23/22 10:28	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			06/23/22 10:28	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/23/22 10:28	1
Toluene	<0.50		0.50		ug/L			06/23/22 10:28	1
Chlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Dibromochloromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Tetrachloroethene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Xylenes, Total	<1.0		1.0		ug/L			06/23/22 10:28	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/23/22 10:28	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/23/22 10:28	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/23/22 10:28	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/23/22 10:28	1
2-Hexanone	<5.0		5.0		ug/L			06/23/22 10:28	1
Acetone	<5.0		5.0		ug/L			06/23/22 10:28	1
Chloroform	<0.50		0.50		ug/L			06/23/22 10:28	1
Benzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/23/22 10:28	1
Bromomethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Chloromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Bromochloromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Chloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1

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

Lab Sample ID: MB 410-268505/6
Matrix: Water
Analysis Batch: 268505

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.50		0.50		ug/L			06/23/22 10:28	1
Vinyl chloride	<0.50		0.50		ug/L			06/23/22 10:28	1
Methylene Chloride	<0.50		0.50		ug/L			06/23/22 10:28	1
Carbon disulfide	<1.0		1.0		ug/L			06/23/22 10:28	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/23/22 10:28	1
Bromoform	<1.0		1.0		ug/L			06/23/22 10:28	1
Bromodichloromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/23/22 10:28	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/23/22 10:28	1
2-Butanone	<5.0		5.0		ug/L			06/23/22 10:28	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Bromobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Trichloroethene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			06/23/22 10:28	1
Isopropylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Dibromomethane	<0.50		0.50		ug/L			06/23/22 10:28	1
di-Isopropyl ether	<0.50		0.50		ug/L			06/23/22 10:28	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			06/23/22 10:28	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/23/22 10:28	1
Naphthalene	<0.50		0.50		ug/L			06/23/22 10:28	1
n-Butylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
N-Propylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/23/22 10:28	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
t-Amyl methyl ether	<0.50		0.50		ug/L			06/23/22 10:28	1
t-Butyl alcohol	<10		10		ug/L			06/23/22 10:28	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*06/23/22 10:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/23/22 10:28*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*06/23/22 10:28*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/23/22 10:28*	*1*

Lab Sample ID: LCS 410-268505/4
Matrix: Water
Analysis Batch: 268505

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	4.70		ug/L		94	71 - 134		
Ethylbenzene			5.00	5.27		ug/L		105	80 - 120		
Styrene			5.00	5.13		ug/L		103	80 - 120		

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

Lab Sample ID: LCS 410-268505/4
Matrix: Water
Analysis Batch: 268505

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	5.00	4.87		ug/L		97	74 - 120
cis-1,3-Dichloropropene	5.00	5.02		ug/L		100	67 - 121
trans-1,3-Dichloropropene	5.00	5.78		ug/L		116	61 - 129
1,2,3-Trichloropropane	5.00	5.39		ug/L		108	80 - 125
1,4-Dichlorobenzene	5.00	4.88		ug/L		98	80 - 120
1,2-Dibromoethane	5.00	5.13		ug/L		103	80 - 120
1,2-Dichloroethane	5.00	4.33		ug/L		87	69 - 122
1,2,4-Trimethylbenzene	5.00	5.25		ug/L		105	80 - 120
4-Methyl-2-pentanone	62.5	77.0		ug/L		123	55 - 140
Toluene	5.00	5.25		ug/L		105	80 - 120
Chlorobenzene	5.00	4.93		ug/L		99	80 - 120
1,2,4-Trichlorobenzene	5.00	4.54		ug/L		91	68 - 122
Dibromochloromethane	5.00	4.78		ug/L		96	64 - 138
Tetrachloroethene	5.00	4.18		ug/L		84	80 - 120
1,3,5-Trimethylbenzene	5.00	5.25		ug/L		105	80 - 120
Xylenes, Total	15.0	15.2		ug/L		101	80 - 120
cis-1,2-Dichloroethene	5.00	4.82		ug/L		96	80 - 122
trans-1,2-Dichloroethene	5.00	4.69		ug/L		94	80 - 122
1,3-Dichloropropane	5.00	5.74		ug/L		115	80 - 120
Methyl tertiary butyl ether	5.00	4.84		ug/L		97	69 - 120
1,3-Dichlorobenzene	5.00	4.88		ug/L		98	80 - 120
Carbon tetrachloride	5.00	3.96		ug/L		79	64 - 141
2-Hexanone	62.5	79.3		ug/L		127	52 - 140
Acetone	62.5	60.8		ug/L		97	60 - 146
Chloroform	5.00	4.48		ug/L		90	80 - 120
Benzene	5.00	5.08		ug/L		102	80 - 120
1,1,1-Trichloroethane	5.00	4.11		ug/L		82	78 - 126
2,2-Dichloropropane	5.00	4.26		ug/L		85	61 - 141
Bromomethane	5.00	4.42		ug/L		88	60 - 136
Chloromethane	5.00	5.75		ug/L		115	56 - 124
Bromochloromethane	5.00	4.30		ug/L		86	80 - 120
Chloroethane	5.00	4.92		ug/L		98	63 - 120
2-Chlorotoluene	5.00	5.12		ug/L		102	80 - 120
Vinyl chloride	5.00	5.09		ug/L		102	60 - 125
Methylene Chloride	5.00	5.01		ug/L		100	80 - 120
Carbon disulfide	5.00	6.03		ug/L		121	67 - 130
4-Chlorotoluene	5.00	5.22		ug/L		104	80 - 120
Bromoform	5.00	4.60		ug/L		92	49 - 144
Bromodichloromethane	5.00	4.75		ug/L		95	73 - 124
1,1-Dichloroethane	5.00	4.99		ug/L		100	74 - 120
1,1-Dichloroethene	5.00	4.95		ug/L		99	80 - 131
Trichlorofluoromethane	5.00	3.77		ug/L		75	62 - 136
Dichlorodifluoromethane	5.00	4.59		ug/L		92	43 - 123
1,2-Dichloropropane	5.00	5.45		ug/L		109	80 - 120
2-Butanone	62.5	73.6		ug/L		118	59 - 141
1,1,2-Trichloroethane	5.00	5.36		ug/L		107	80 - 120
Bromobenzene	5.00	5.02		ug/L		100	80 - 120
Trichloroethene	5.00	4.51		ug/L		90	80 - 120
1,1,2,2-Tetrachloroethane	5.00	6.40	*+	ug/L		128	75 - 123

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

Lab Sample ID: LCS 410-268505/4
Matrix: Water
Analysis Batch: 268505

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	5.00	4.59		ug/L		92	68 - 125
1,2-Dichlorobenzene	5.00	4.85		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.04		ug/L		101	56 - 148
Isopropylbenzene	5.00	5.05		ug/L		101	80 - 120
Dibromomethane	5.00	4.57		ug/L		91	80 - 122
di-Isopropyl ether	5.00	5.78		ug/L		116	58 - 131
Ethyl t-butyl ether	5.00	5.24		ug/L		105	57 - 126
Hexachlorobutadiene	5.00	4.25		ug/L		85	72 - 132
Naphthalene	5.00	5.28		ug/L		106	64 - 122
n-Butylbenzene	5.00	5.51		ug/L		110	74 - 123
N-Propylbenzene	5.00	5.66		ug/L		113	74 - 122
p-Isopropyltoluene	5.00	5.17		ug/L		103	80 - 120
sec-Butylbenzene	5.00	5.48		ug/L		110	80 - 120
t-Amyl methyl ether	5.00	4.94		ug/L		99	65 - 125
t-Butyl alcohol	50.0	41.7		ug/L		83	62 - 138
tert-Butylbenzene	5.00	4.83		ug/L		97	79 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

QC Association Summary

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

Job ID: 410-87996-1

GC/MS VOA

Analysis Batch: 268048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-87996-1 - DL	MW-1A-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-2	MW-2A-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-2 - DL	MW-2A-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-3	MW-3A-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-4	MW-8-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-5	MW-10-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-6	MW-11-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-7 - DL	DUP-01-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-8	RB-01-W-220616	Total/NA	Water	8260C LL	
410-87996-9	Trip Blank	Total/NA	Water	8260C LL	
MB 410-268048/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-268048/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-268048/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	
410-87996-2 MS	MW-2A-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-2 MSD	MW-2A-W-220616	Total/NA	Groundwater	8260C LL	

Analysis Batch: 268505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-87996-1	MW-1A-W-220616	Total/NA	Groundwater	8260C LL	
410-87996-7	DUP-01-W-220616	Total/NA	Groundwater	8260C LL	
MB 410-268505/6	Method Blank	Total/NA	Water	8260C LL	
LCS 410-268505/4	Lab Control Sample	Total/NA	Water	8260C LL	

Client Sample ID: MW-1A-W-220616

Lab Sample ID: 410-87996-1

Date Collected: 06/16/22 10:30

Matrix: Groundwater

Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		5	268505	06/23/22 13:28	K4WN	ELLE
Total/NA	Analysis	8260C LL	DL	50	268048	06/22/22 19:19	DVW2	ELLE

Client Sample ID: MW-2A-W-220616

Lab Sample ID: 410-87996-2

Date Collected: 06/16/22 11:35

Matrix: Groundwater

Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		10	268048	06/22/22 15:55	DVW2	ELLE
Total/NA	Analysis	8260C LL	DL	100	268048	06/22/22 16:56	DVW2	ELLE

Client Sample ID: MW-3A-W-220616

Lab Sample ID: 410-87996-3

Date Collected: 06/16/22 12:05

Matrix: Groundwater

Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	268048	06/22/22 14:34	DVW2	ELLE

Client Sample ID: MW-8-W-220616

Lab Sample ID: 410-87996-4

Date Collected: 06/16/22 12:35

Matrix: Groundwater

Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	268048	06/22/22 14:54	DVW2	ELLE

Client Sample ID: MW-10-W-220616

Lab Sample ID: 410-87996-5

Date Collected: 06/16/22 09:05

Matrix: Groundwater

Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		5	268048	06/22/22 15:14	DVW2	ELLE

Client Sample ID: MW-11-W-220616

Lab Sample ID: 410-87996-6

Date Collected: 06/16/22 09:40

Matrix: Groundwater

Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	268048	06/22/22 15:35	DVW2	ELLE

Client Sample ID: DUP-01-W-220616

Lab Sample ID: 410-87996-7

Date Collected: 06/16/22 10:30

Matrix: Groundwater

Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		5	268505	06/23/22 13:50	K4WN	ELLE
Total/NA	Analysis	8260C LL	DL	50	268048	06/22/22 20:00	DVW2	ELLE

Lab Chronicle

Client: ARCADIS U.S., Inc.
Job ID: 410-87996-1
Project/Site: 14489 - North East, MD

Client Sample ID: RB-01-W-220616
Lab Sample ID: 410-87996-8

Date Collected: 06/16/22 11:00
Matrix: Water
Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	268048	06/22/22 12:11	DVW2	ELLE

Client Sample ID: Trip Blank
Lab Sample ID: 410-87996-9

Date Collected: 06/16/22 00:00
Matrix: Water
Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	268048	06/22/22 11:50	DVW2	ELLE

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.
Job ID: 410-87996-1
Project/Site: 14489 - North East, MD

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	06-30-23

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

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

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.
Job ID: 410-87996-1
Project/Site: 14489 - North East, MD

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: 410-87996-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-87996-1	MW-1A-W-220616	Groundwater	06/16/22 10:30	06/17/22 21:01
410-87996-2	MW-2A-W-220616	Groundwater	06/16/22 11:35	06/17/22 21:01
410-87996-3	MW-3A-W-220616	Groundwater	06/16/22 12:05	06/17/22 21:01
410-87996-4	MW-8-W-220616	Groundwater	06/16/22 12:35	06/17/22 21:01
410-87996-5	MW-10-W-220616	Groundwater	06/16/22 09:05	06/17/22 21:01
410-87996-6	MW-11-W-220616	Groundwater	06/16/22 09:40	06/17/22 21:01
410-87996-7	DUP-01-W-220616	Groundwater	06/16/22 10:30	06/17/22 21:01
410-87996-8	RB-01-W-220616	Water	06/16/22 11:00	06/17/22 21:01
410-87996-9	Trip Blank	Water	06/16/22 00:00	06/17/22 21:01

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-87996 Chain of Custody

eurofins Environment Testing America

Client Information	Sampler: Andy Feild	Lab PM: Moeller, Megan	COC No: 410-58714-12328.1
Client Contact: Courtney Pitman	Phone: 443 354 0186	E-Mail: Megan.Moeller@et.eurofinsus.com	State of Origin: Maryland
Company: ARCADIS U.S., Inc.	PWSID:		Page: Page 1 of 2
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested: Standard		Job #:
City: Fairport	TAT Requested (days): normal		
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No		
Phone: 281-355-3653(Tel)	PO #: 30067154		
Email: courtney.pitman@arcadis.com	WO #:		
Project Name: 14489 - North East, MD	Project #: 41002408		
Site: Maryland	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260C_LL - 14489 Full List 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A		
MW-1A-W-220616	6/16/22	1030	G	Water	N	N	3	
MW-2A-W-220616		1135		Water				
MW-3A-W-220616		1205		Water				
MW-8-W-220616		1235		Water				
MW-10-W-220616		0905		Water				
MW-11-W-220616		0940		Water				
DUP-01-W-220616		1030		Water				
RB-01-W-220616	6/16/22	1100	G	Water	N	N	3	
Trip Blank	-	-	-	Water			3	
				Water				
				Water				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/16/22 1630	ANA			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6-17-22 2101	Company EUL

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.1

Ver: 06/08/2021

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Andy Feild	Lab PM: Moeller, Megan	Carrier Tracking No(s):	COC No: 410-58714-12328.2
Client Contact: Courtney Pitman	Phone: 4433540186	E-Mail: Megan.Moeller@et.eurofinsus.com	State of Origin: Maryland	Page: Page 2 of 2
Company: ARCADIS U.S., Inc.	PWSID:			Job #:
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested: Standard			
City: Fairport	TAT Requested (days): Normal			
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No			
Phone: 281-355-3653(Tel)	PO #: 30067154			
Email: courtney.pitman@arcadis.com	WO #:			
Project Name: 14489 - North East, MD	Project #: 41002408			
Site: Maryland	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C_LL - 14489 Full List 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-5A-W-220616	6/16/22	1305	G	Water	N	N	3		
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 6/16/22 1620	Company ANA	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/18/22 1750	Company BMET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.1

(R) Originally received 6/17/22 2101 but not stored.

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 410-87996-1

Login Number: 87996

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Jeremiah, Cory T

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=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.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-87996-2
Client Project/Site: 14489 - North East, MD

For:
ARCADIS U.S., Inc.
2839 Paces Ferry Road SE
Suite 900
Atlanta, Georgia 30339

Attn: Ms. Kelley Sharpe

Authorized for release by:
6/24/2022 5:18:40 AM

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

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.

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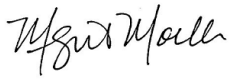

Megan Moeller
Client Services Manager
6/24/2022 5:18:40 AM

Table of Contents

Definitions/Glossary

Client: ARCADIS U.S., Inc. Job ID: 410-87996-2
Project/Site: 14489 - North East, MD

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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/Site: 14489 - North East, MD

Job ID: 410-87996-2

Job ID: 410-87996-2

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-87996-2

Receipt
The samples were received on 6/17/2022 9:01 PM. 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 0.1°C

GC/MS VOA
Method 8260C_LL: The continuing calibration verification (CCV) associated with batch 410-268505 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane and Dichlorodifluoromethane. 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: The continuing calibration verification (CCV) associated with batch 410-268505 recovered above the upper control limit for 1,1,1,2-Tetrachloroethane, trans-1,3-Dichloropropene, 4-Methyl-2-pentanone, 2-Hexanone and 2-Butanone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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.
Job ID: 410-87996-2
Project/Site: 14489 - North East, MD

Client Sample ID: MW-5A-W-220616
Lab Sample ID: 410-87996-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Toluene	12		2.5		ug/L	5		8260C LL	Total/NA
Benzene	3.9		2.5		ug/L	5		8260C LL	Total/NA
Isopropylbenzene	73		2.5		ug/L	5		8260C LL	Total/NA
n-Butylbenzene	36		2.5		ug/L	5		8260C LL	Total/NA
p-Isopropyltoluene	11		2.5		ug/L	5		8260C LL	Total/NA
sec-Butylbenzene	23		2.5		ug/L	5		8260C LL	Total/NA
Ethylbenzene - DL	370		25		ug/L	50		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	1000		25		ug/L	50		8260C LL	Total/NA
1,3,5-Trimethylbenzene - DL	240		25		ug/L	50		8260C LL	Total/NA
Xylenes, Total - DL	860		50		ug/L	50		8260C LL	Total/NA
Naphthalene - DL	130		25		ug/L	50		8260C LL	Total/NA
N-Propylbenzene - DL	200		25		ug/L	50		8260C LL	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-87996-2

Client Sample ID: MW-5A-W-220616
Date Collected: 06/16/22 13:05
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-10
Matrix: Groundwater

Method: 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	cn	2.5		ug/L			06/23/22 14:12	5
Styrene	<2.5		2.5		ug/L			06/23/22 14:12	5
1,1-Dichloropropene	<2.5		2.5		ug/L			06/23/22 14:12	5
cis-1,3-Dichloropropene	<2.5		2.5		ug/L			06/23/22 14:12	5
trans-1,3-Dichloropropene	<2.5	cn	2.5		ug/L			06/23/22 14:12	5
1,2,3-Trichloropropane	<5.0		5.0		ug/L			06/23/22 14:12	5
1,4-Dichlorobenzene	<2.5		2.5		ug/L			06/23/22 14:12	5
1,2-Dibromoethane	<2.5		2.5		ug/L			06/23/22 14:12	5
1,2-Dichloroethane	<2.5		2.5		ug/L			06/23/22 14:12	5
4-Methyl-2-pentanone	<25	cn	25		ug/L			06/23/22 14:12	5
Toluene	**12**		2.5		ug/L			06/23/22 14:12	5
Chlorobenzene	<2.5		2.5		ug/L			06/23/22 14:12	5
1,2,4-Trichlorobenzene	<2.5		2.5		ug/L			06/23/22 14:12	5
Dibromochloromethane	<2.5		2.5		ug/L			06/23/22 14:12	5
Tetrachloroethene	<2.5		2.5		ug/L			06/23/22 14:12	5
cis-1,2-Dichloroethene	<2.5		2.5		ug/L			06/23/22 14:12	5
trans-1,2-Dichloroethene	<2.5		2.5		ug/L			06/23/22 14:12	5
1,3-Dichloropropane	<2.5		2.5		ug/L			06/23/22 14:12	5
Methyl tertiary butyl ether	<2.5		2.5		ug/L			06/23/22 14:12	5
1,3-Dichlorobenzene	<2.5		2.5		ug/L			06/23/22 14:12	5
Carbon tetrachloride	<2.5		2.5		ug/L			06/23/22 14:12	5
2-Hexanone	<25	cn	25		ug/L			06/23/22 14:12	5
Acetone	<25		25		ug/L			06/23/22 14:12	5
Chloroform	<2.5		2.5		ug/L			06/23/22 14:12	5
Benzene	**3.9**		2.5		ug/L			06/23/22 14:12	5
1,1,1-Trichloroethane	<2.5		2.5		ug/L			06/23/22 14:12	5
2,2-Dichloropropane	<2.5		2.5		ug/L			06/23/22 14:12	5
Bromomethane	<2.5		2.5		ug/L			06/23/22 14:12	5
Chloromethane	<2.5		2.5		ug/L			06/23/22 14:12	5
Bromochloromethane	<2.5		2.5		ug/L			06/23/22 14:12	5
Chloroethane	<2.5		2.5		ug/L			06/23/22 14:12	5
2-Chlorotoluene	<2.5		2.5		ug/L			06/23/22 14:12	5
Vinyl chloride	<2.5		2.5		ug/L			06/23/22 14:12	5
Methylene Chloride	<2.5		2.5		ug/L			06/23/22 14:12	5
Carbon disulfide	<5.0		5.0		ug/L			06/23/22 14:12	5
4-Chlorotoluene	<2.5		2.5		ug/L			06/23/22 14:12	5
Bromoform	<5.0		5.0		ug/L			06/23/22 14:12	5
Bromodichloromethane	<2.5		2.5		ug/L			06/23/22 14:12	5
1,1-Dichloroethane	<2.5		2.5		ug/L			06/23/22 14:12	5
1,1-Dichloroethene	<2.5		2.5		ug/L			06/23/22 14:12	5
Trichlorofluoromethane	<2.5	cn	2.5		ug/L			06/23/22 14:12	5
Dichlorodifluoromethane	<2.5	cn	2.5		ug/L			06/23/22 14:12	5
1,2-Dichloropropane	<2.5		2.5		ug/L			06/23/22 14:12	5
2-Butanone	<25	cn	25		ug/L			06/23/22 14:12	5
1,1,2-Trichloroethane	<2.5		2.5		ug/L			06/23/22 14:12	5
Bromobenzene	<2.5		2.5		ug/L			06/23/22 14:12	5
Trichloroethene	<2.5		2.5		ug/L			06/23/22 14:12	5
1,1,2,2-Tetrachloroethane	<2.5	*+	2.5		ug/L			06/23/22 14:12	5
1,2,3-Trichlorobenzene	<2.5		2.5		ug/L			06/23/22 14:12	5

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

Job ID: 410-87996-2

Client Sample ID: MW-5A-W-220616
Date Collected: 06/16/22 13:05
Date Received: 06/17/22 21:01

Lab Sample ID: 410-87996-10
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<2.5		2.5		ug/L			06/23/22 14:12	5
1,2-Dibromo-3-Chloropropane	<2.5		2.5		ug/L			06/23/22 14:12	5
Isopropylbenzene	**73**		2.5		ug/L			06/23/22 14:12	5
Dibromomethane	<2.5		2.5		ug/L			06/23/22 14:12	5
di-Isopropyl ether	<2.5		2.5		ug/L			06/23/22 14:12	5
Ethyl t-butyl ether	<2.5		2.5		ug/L			06/23/22 14:12	5
Hexachlorobutadiene	<2.5		2.5		ug/L			06/23/22 14:12	5
n-Butylbenzene	**36**		2.5		ug/L			06/23/22 14:12	5
p-Isopropyltoluene	**11**		2.5		ug/L			06/23/22 14:12	5
sec-Butylbenzene	**23**		2.5		ug/L			06/23/22 14:12	5
t-Amyl methyl ether	<2.5		2.5		ug/L			06/23/22 14:12	5
t-Butyl alcohol	<50		50		ug/L			06/23/22 14:12	5
tert-Butylbenzene	<2.5		2.5		ug/L			06/23/22 14:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*06/23/22 14:12*	*5*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/23/22 14:12*	*5*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*06/23/22 14:12*	*5*
Toluene-d8 (Surr)	*111*		*80 - 120*		*06/23/22 14:12*	*5*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**370**		25		ug/L			06/22/22 20:41	50
1,2,4-Trimethylbenzene	**1000**		25		ug/L			06/22/22 20:41	50
1,3,5-Trimethylbenzene	**240**		25		ug/L			06/22/22 20:41	50
Xylenes, Total	**860**		50		ug/L			06/22/22 20:41	50
Naphthalene	**130**		25		ug/L			06/22/22 20:41	50
N-Propylbenzene	**200**		25		ug/L			06/22/22 20:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/22/22 20:41*	*50*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*06/22/22 20:41*	*50*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/22/22 20:41*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/22/22 20:41*	*50*

Surrogate Summary

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

Job ID: 410-87996-2

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

Matrix: Groundwater **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-87996-10 - DL	MW-5A-W-220616	105	97	101	97
410-87996-10	MW-5A-W-220616	95	104	86	111

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**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
LCS 410-268048/4	Lab Control Sample	100	97	100	98
LCS 410-268505/4	Lab Control Sample	103	101	88	108
LCSD 410-268048/5	Lab Control Sample Dup	104	96	101	97
MB 410-268048/7	Method Blank	104	94	103	97
MB 410-268505/6	Method Blank	96	99	88	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Job ID: 410-87996-2

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

Lab Sample ID: MB 410-268048/7
Matrix: Water
Analysis Batch: 268048

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			06/22/22 11:30	1
Ethylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Styrene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/22/22 11:30	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 11:30	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			06/22/22 11:30	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/22/22 11:30	1
Toluene	<0.50		0.50		ug/L			06/22/22 11:30	1
Chlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Dibromochloromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Tetrachloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Xylenes, Total	<1.0		1.0		ug/L			06/22/22 11:30	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/22/22 11:30	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/22/22 11:30	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/22/22 11:30	1
2-Hexanone	<5.0		5.0		ug/L			06/22/22 11:30	1
Acetone	<5.0		5.0		ug/L			06/22/22 11:30	1
Chloroform	<0.50		0.50		ug/L			06/22/22 11:30	1
Benzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 11:30	1
Bromomethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Chloromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Bromochloromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Chloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 11:30	1
Vinyl chloride	<0.50		0.50		ug/L			06/22/22 11:30	1
Methylene Chloride	<0.50		0.50		ug/L			06/22/22 11:30	1
Carbon disulfide	<1.0		1.0		ug/L			06/22/22 11:30	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/22/22 11:30	1
Bromoform	<1.0		1.0		ug/L			06/22/22 11:30	1
Bromodichloromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/22/22 11:30	1
2-Butanone	<5.0		5.0		ug/L			06/22/22 11:30	1

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

Lab Sample ID: MB 410-268048/7
Matrix: Water
Analysis Batch: 268048

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			06/22/22 11:30	1
Bromobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Trichloroethene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			06/22/22 11:30	1
Isopropylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
Dibromomethane	<0.50		0.50		ug/L			06/22/22 11:30	1
di-Isopropyl ether	<0.50		0.50		ug/L			06/22/22 11:30	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			06/22/22 11:30	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/22/22 11:30	1
Naphthalene	<0.50		0.50		ug/L			06/22/22 11:30	1
n-Butylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
N-Propylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/22/22 11:30	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1
t-Amyl methyl ether	<0.50		0.50		ug/L			06/22/22 11:30	1
t-Butyl alcohol	<10		10		ug/L			06/22/22 11:30	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/22/22 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/22/22 11:30*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*06/22/22 11:30*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/22/22 11:30*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/22/22 11:30*	*1*

Lab Sample ID: LCS 410-268048/4
Matrix: Water
Analysis Batch: 268048

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	5.08		ug/L		102	71 - 134
Ethylbenzene	5.00	4.80		ug/L		96	80 - 120
Styrene	5.00	5.20		ug/L		104	80 - 120
1,1-Dichloropropene	5.00	4.97		ug/L		99	74 - 120
cis-1,3-Dichloropropene	5.00	5.05		ug/L		101	67 - 121
trans-1,3-Dichloropropene	5.00	4.77		ug/L		95	61 - 129
1,2,3-Trichloropropane	5.00	4.69		ug/L		94	80 - 125
1,4-Dichlorobenzene	5.00	5.00		ug/L		100	80 - 120
1,2-Dibromoethane	5.00	4.96		ug/L		99	80 - 120
1,2-Dichloroethane	5.00	4.51		ug/L		90	69 - 122
1,2,4-Trimethylbenzene	5.00	4.76		ug/L		95	80 - 120
4-Methyl-2-pentanone	62.5	66.2		ug/L		106	55 - 140
Toluene	5.00	4.98		ug/L		100	80 - 120
Chlorobenzene	5.00	4.97		ug/L		99	80 - 120
1,2,4-Trichlorobenzene	5.00	4.93		ug/L		99	68 - 122
Dibromochloromethane	5.00	5.31		ug/L		106	64 - 138

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

Lab Sample ID: LCS 410-268048/4
Matrix: Water
Analysis Batch: 268048

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	5.29		ug/L		106	80 - 120
1,3,5-Trimethylbenzene	5.00	4.78		ug/L		96	80 - 120
Xylenes, Total	15.0	15.2		ug/L		101	80 - 120
cis-1,2-Dichloroethene	5.00	5.15		ug/L		103	80 - 122
trans-1,2-Dichloroethene	5.00	4.92		ug/L		98	80 - 122
1,3-Dichloropropane	5.00	4.84		ug/L		97	80 - 120
Methyl tertiary butyl ether	5.00	4.61		ug/L		92	69 - 120
1,3-Dichlorobenzene	5.00	5.04		ug/L		101	80 - 120
Carbon tetrachloride	5.00	5.03		ug/L		101	64 - 141
2-Hexanone	62.5	66.9		ug/L		107	52 - 140
Acetone	62.5	59.6		ug/L		95	60 - 146
Chloroform	5.00	4.81		ug/L		96	80 - 120
Benzene	5.00	5.10		ug/L		102	80 - 120
1,1,1-Trichloroethane	5.00	4.84		ug/L		97	78 - 126
2,2-Dichloropropane	5.00	4.77		ug/L		95	61 - 141
Bromomethane	5.00	4.68		ug/L		94	60 - 136
Chloromethane	5.00	4.39		ug/L		88	56 - 124
Bromochloromethane	5.00	5.44		ug/L		109	80 - 120
Chloroethane	5.00	4.59		ug/L		92	63 - 120
2-Chlorotoluene	5.00	4.85		ug/L		97	80 - 120
Vinyl chloride	5.00	4.60		ug/L		92	60 - 125
Methylene Chloride	5.00	5.01		ug/L		100	80 - 120
Carbon disulfide	5.00	5.50		ug/L		110	67 - 130
4-Chlorotoluene	5.00	4.98		ug/L		100	80 - 120
Bromoform	5.00	5.42		ug/L		108	49 - 144
Bromodichloromethane	5.00	5.23		ug/L		105	73 - 124
1,1-Dichloroethane	5.00	4.52		ug/L		90	74 - 120
1,1-Dichloroethene	5.00	5.24		ug/L		105	80 - 131
Trichlorofluoromethane	5.00	4.38		ug/L		88	62 - 136
Dichlorodifluoromethane	5.00	4.24		ug/L		85	43 - 123
1,2-Dichloropropane	5.00	4.96		ug/L		99	80 - 120
2-Butanone	62.5	66.1		ug/L		106	59 - 141
1,1,2-Trichloroethane	5.00	5.08		ug/L		102	80 - 120
Bromobenzene	5.00	5.24		ug/L		105	80 - 120
Trichloroethene	5.00	5.14		ug/L		103	80 - 120
1,1,2,2-Tetrachloroethane	5.00	4.61		ug/L		92	75 - 123
1,2,3-Trichlorobenzene	5.00	4.88		ug/L		98	68 - 125
1,2-Dichlorobenzene	5.00	4.94		ug/L		99	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	4.44		ug/L		89	56 - 148
Isopropylbenzene	5.00	4.96		ug/L		99	80 - 120
Dibromomethane	5.00	5.16		ug/L		103	80 - 122
di-Isopropyl ether	5.00	4.34		ug/L		87	58 - 131
Ethyl t-butyl ether	5.00	4.59		ug/L		92	57 - 126
Hexachlorobutadiene	5.00	4.81		ug/L		96	72 - 132
Naphthalene	5.00	4.51		ug/L		90	64 - 122
n-Butylbenzene	5.00	4.79		ug/L		96	74 - 123
N-Propylbenzene	5.00	4.68		ug/L		94	74 - 122
p-Isopropyltoluene	5.00	4.98		ug/L		100	80 - 120
sec-Butylbenzene	5.00	4.82		ug/L		96	80 - 120

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

Lab Sample ID: LCS 410-268048/4
Matrix: Water
Analysis Batch: 268048

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	4.77		ug/L		95	65 - 125
t-Butyl alcohol	50.0	49.6		ug/L		99	62 - 138
tert-Butylbenzene	5.00	4.87		ug/L		97	79 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 410-268048/5
Matrix: Water
Analysis Batch: 268048

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	5.11		ug/L		102	71 - 134	1	30
Ethylbenzene	5.00	4.77		ug/L		95	80 - 120	1	30
Styrene	5.00	5.16		ug/L		103	80 - 120	1	30
1,1-Dichloropropene	5.00	4.96		ug/L		99	74 - 120	0	30
cis-1,3-Dichloropropene	5.00	5.00		ug/L		100	67 - 121	1	30
trans-1,3-Dichloropropene	5.00	4.70		ug/L		94	61 - 129	1	30
1,2,3-Trichloropropane	5.00	4.74		ug/L		95	80 - 125	1	30
1,4-Dichlorobenzene	5.00	4.81		ug/L		96	80 - 120	4	30
1,2-Dibromoethane	5.00	4.94		ug/L		99	80 - 120	1	30
1,2-Dichloroethane	5.00	4.54		ug/L		91	69 - 122	1	30
1,2,4-Trimethylbenzene	5.00	4.57		ug/L		91	80 - 120	4	30
4-Methyl-2-pentanone	62.5	59.0		ug/L		94	55 - 140	12	30
Toluene	5.00	4.89		ug/L		98	80 - 120	2	30
Chlorobenzene	5.00	5.01		ug/L		100	80 - 120	1	30
1,2,4-Trichlorobenzene	5.00	4.74		ug/L		95	68 - 122	4	30
Dibromochloromethane	5.00	5.22		ug/L		104	64 - 138	2	30
Tetrachloroethene	5.00	5.22		ug/L		104	80 - 120	1	30
1,3,5-Trimethylbenzene	5.00	4.63		ug/L		93	80 - 120	3	30
Xylenes, Total	15.0	15.0		ug/L		100	80 - 120	1	30
cis-1,2-Dichloroethene	5.00	5.07		ug/L		101	80 - 122	1	30
trans-1,2-Dichloroethene	5.00	4.84		ug/L		97	80 - 122	2	30
1,3-Dichloropropane	5.00	4.79		ug/L		96	80 - 120	1	30
Methyl tertiary butyl ether	5.00	4.54		ug/L		91	69 - 120	2	30
1,3-Dichlorobenzene	5.00	4.80		ug/L		96	80 - 120	5	30
Carbon tetrachloride	5.00	5.08		ug/L		102	64 - 141	1	30
2-Hexanone	62.5	60.0		ug/L		96	52 - 140	11	30
Acetone	62.5	54.6		ug/L		87	60 - 146	9	30
Chloroform	5.00	4.82		ug/L		96	80 - 120	0	30
Benzene	5.00	5.05		ug/L		101	80 - 120	1	30
1,1,1-Trichloroethane	5.00	4.91		ug/L		98	78 - 126	1	30
2,2-Dichloropropane	5.00	4.71		ug/L		94	61 - 141	1	30
Bromomethane	5.00	4.62		ug/L		92	60 - 136	1	30
Chloromethane	5.00	4.39		ug/L		88	56 - 124	0	30

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

Lab Sample ID: LCSD 410-268048/5
Matrix: Water
Analysis Batch: 268048

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	5.24		ug/L		105	80 - 120	4	30
Chloroethane	5.00	4.45		ug/L		89	63 - 120	3	30
2-Chlorotoluene	5.00	4.76		ug/L		95	80 - 120	2	30
Vinyl chloride	5.00	4.55		ug/L		91	60 - 125	1	30
Methylene Chloride	5.00	4.88		ug/L		98	80 - 120	3	30
Carbon disulfide	5.00	5.38		ug/L		108	67 - 130	2	30
4-Chlorotoluene	5.00	4.84		ug/L		97	80 - 120	3	30
Bromoform	5.00	5.33		ug/L		107	49 - 144	2	30
Bromodichloromethane	5.00	5.11		ug/L		102	73 - 124	2	30
1,1-Dichloroethane	5.00	4.50		ug/L		90	74 - 120	0	30
1,1-Dichloroethene	5.00	5.07		ug/L		101	80 - 131	3	30
Trichlorofluoromethane	5.00	4.28		ug/L		86	62 - 136	2	30
Dichlorodifluoromethane	5.00	4.18		ug/L		84	43 - 123	1	30
1,2-Dichloropropane	5.00	4.92		ug/L		98	80 - 120	1	30
2-Butanone	62.5	59.3		ug/L		95	59 - 141	11	30
1,1,2-Trichloroethane	5.00	4.98		ug/L		100	80 - 120	2	30
Bromobenzene	5.00	5.12		ug/L		102	80 - 120	2	30
Trichloroethene	5.00	5.07		ug/L		101	80 - 120	1	30
1,1,2,2-Tetrachloroethane	5.00	4.50		ug/L		90	75 - 123	2	30
1,2,3-Trichlorobenzene	5.00	4.67		ug/L		93	68 - 125	5	30
1,2-Dichlorobenzene	5.00	4.80		ug/L		96	80 - 120	3	30
1,2-Dibromo-3-Chloropropane	5.00	4.51		ug/L		90	56 - 148	2	30
Isopropylbenzene	5.00	4.86		ug/L		97	80 - 120	2	30
Dibromomethane	5.00	5.03		ug/L		101	80 - 122	3	30
di-Isopropyl ether	5.00	4.25		ug/L		85	58 - 131	2	30
Ethyl t-butyl ether	5.00	4.47		ug/L		89	57 - 126	3	30
Hexachlorobutadiene	5.00	4.69		ug/L		94	72 - 132	3	30
Naphthalene	5.00	4.29		ug/L		86	64 - 122	5	30
n-Butylbenzene	5.00	4.62		ug/L		92	74 - 123	4	30
N-Propylbenzene	5.00	4.52		ug/L		90	74 - 122	4	30
p-Isopropyltoluene	5.00	4.85		ug/L		97	80 - 120	3	30
sec-Butylbenzene	5.00	4.69		ug/L		94	80 - 120	3	30
t-Amyl methyl ether	5.00	4.72		ug/L		94	65 - 125	1	30
t-Butyl alcohol	50.0	50.9		ug/L		102	62 - 138	3	30
tert-Butylbenzene	5.00	4.76		ug/L		95	79 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 410-268505/6
Matrix: Water
Analysis Batch: 268505

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			06/23/22 10:28	1

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

Lab Sample ID: MB 410-268505/6
Matrix: Water
Analysis Batch: 268505

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			06/23/22 10:28	1
Styrene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,1-Dichloropropene	<0.50		0.50		ug/L			06/23/22 10:28	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/23/22 10:28	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			06/23/22 10:28	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dibromoethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			06/23/22 10:28	1
Toluene	<0.50		0.50		ug/L			06/23/22 10:28	1
Chlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Dibromochloromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Tetrachloroethene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Xylenes, Total	<1.0		1.0		ug/L			06/23/22 10:28	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			06/23/22 10:28	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,3-Dichloropropane	<0.50		0.50		ug/L			06/23/22 10:28	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			06/23/22 10:28	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/23/22 10:28	1
2-Hexanone	<5.0		5.0		ug/L			06/23/22 10:28	1
Acetone	<5.0		5.0		ug/L			06/23/22 10:28	1
Chloroform	<0.50		0.50		ug/L			06/23/22 10:28	1
Benzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
2,2-Dichloropropane	<0.50		0.50		ug/L			06/23/22 10:28	1
Bromomethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Chloromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Bromochloromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Chloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
2-Chlorotoluene	<0.50		0.50		ug/L			06/23/22 10:28	1
Vinyl chloride	<0.50		0.50		ug/L			06/23/22 10:28	1
Methylene Chloride	<0.50		0.50		ug/L			06/23/22 10:28	1
Carbon disulfide	<1.0		1.0		ug/L			06/23/22 10:28	1
4-Chlorotoluene	<0.50		0.50		ug/L			06/23/22 10:28	1
Bromoform	<1.0		1.0		ug/L			06/23/22 10:28	1
Bromodichloromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,1-Dichloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,1-Dichloroethene	<0.50		0.50		ug/L			06/23/22 10:28	1
Trichlorofluoromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dichloropropane	<0.50		0.50		ug/L			06/23/22 10:28	1
2-Butanone	<5.0		5.0		ug/L			06/23/22 10:28	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
Bromobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1

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

Lab Sample ID: MB 410-268505/6
Matrix: Water
Analysis Batch: 268505

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			06/23/22 10:28	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			06/23/22 10:28	1
Isopropylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
Dibromomethane	<0.50		0.50		ug/L			06/23/22 10:28	1
di-Isopropyl ether	<0.50		0.50		ug/L			06/23/22 10:28	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			06/23/22 10:28	1
Hexachlorobutadiene	<0.50		0.50		ug/L			06/23/22 10:28	1
Naphthalene	<0.50		0.50		ug/L			06/23/22 10:28	1
n-Butylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
N-Propylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
p-Isopropyltoluene	<0.50		0.50		ug/L			06/23/22 10:28	1
sec-Butylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1
t-Amyl methyl ether	<0.50		0.50		ug/L			06/23/22 10:28	1
t-Butyl alcohol	<10		10		ug/L			06/23/22 10:28	1
tert-Butylbenzene	<0.50		0.50		ug/L			06/23/22 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*06/23/22 10:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/23/22 10:28*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*06/23/22 10:28*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/23/22 10:28*	*1*

Lab Sample ID: LCS 410-268505/4
Matrix: Water
Analysis Batch: 268505

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	4.70		ug/L		94	71 - 134
Ethylbenzene	5.00	5.27		ug/L		105	80 - 120
Styrene	5.00	5.13		ug/L		103	80 - 120
1,1-Dichloropropene	5.00	4.87		ug/L		97	74 - 120
cis-1,3-Dichloropropene	5.00	5.02		ug/L		100	67 - 121
trans-1,3-Dichloropropene	5.00	5.78		ug/L		116	61 - 129
1,2,3-Trichloropropane	5.00	5.39		ug/L		108	80 - 125
1,4-Dichlorobenzene	5.00	4.88		ug/L		98	80 - 120
1,2-Dibromoethane	5.00	5.13		ug/L		103	80 - 120
1,2-Dichloroethane	5.00	4.33		ug/L		87	69 - 122
1,2,4-Trimethylbenzene	5.00	5.25		ug/L		105	80 - 120
4-Methyl-2-pentanone	62.5	77.0		ug/L		123	55 - 140
Toluene	5.00	5.25		ug/L		105	80 - 120
Chlorobenzene	5.00	4.93		ug/L		99	80 - 120
1,2,4-Trichlorobenzene	5.00	4.54		ug/L		91	68 - 122
Dibromochloromethane	5.00	4.78		ug/L		96	64 - 138
Tetrachloroethene	5.00	4.18		ug/L		84	80 - 120
1,3,5-Trimethylbenzene	5.00	5.25		ug/L		105	80 - 120

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

Lab Sample ID: LCS 410-268505/4
Matrix: Water
Analysis Batch: 268505

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	15.2		ug/L		101	80 - 120
cis-1,2-Dichloroethene	5.00	4.82		ug/L		96	80 - 122
trans-1,2-Dichloroethene	5.00	4.69		ug/L		94	80 - 122
1,3-Dichloropropane	5.00	5.74		ug/L		115	80 - 120
Methyl tertiary butyl ether	5.00	4.84		ug/L		97	69 - 120
1,3-Dichlorobenzene	5.00	4.88		ug/L		98	80 - 120
Carbon tetrachloride	5.00	3.96		ug/L		79	64 - 141
2-Hexanone	62.5	79.3		ug/L		127	52 - 140
Acetone	62.5	60.8		ug/L		97	60 - 146
Chloroform	5.00	4.48		ug/L		90	80 - 120
Benzene	5.00	5.08		ug/L		102	80 - 120
1,1,1-Trichloroethane	5.00	4.11		ug/L		82	78 - 126
2,2-Dichloropropane	5.00	4.26		ug/L		85	61 - 141
Bromomethane	5.00	4.42		ug/L		88	60 - 136
Chloromethane	5.00	5.75		ug/L		115	56 - 124
Bromochloromethane	5.00	4.30		ug/L		86	80 - 120
Chloroethane	5.00	4.92		ug/L		98	63 - 120
2-Chlorotoluene	5.00	5.12		ug/L		102	80 - 120
Vinyl chloride	5.00	5.09		ug/L		102	60 - 125
Methylene Chloride	5.00	5.01		ug/L		100	80 - 120
Carbon disulfide	5.00	6.03		ug/L		121	67 - 130
4-Chlorotoluene	5.00	5.22		ug/L		104	80 - 120
Bromoform	5.00	4.60		ug/L		92	49 - 144
Bromodichloromethane	5.00	4.75		ug/L		95	73 - 124
1,1-Dichloroethane	5.00	4.99		ug/L		100	74 - 120
1,1-Dichloroethene	5.00	4.95		ug/L		99	80 - 131
Trichlorofluoromethane	5.00	3.77		ug/L		75	62 - 136
Dichlorodifluoromethane	5.00	4.59		ug/L		92	43 - 123
1,2-Dichloropropane	5.00	5.45		ug/L		109	80 - 120
2-Butanone	62.5	73.6		ug/L		118	59 - 141
1,1,2-Trichloroethane	5.00	5.36		ug/L		107	80 - 120
Bromobenzene	5.00	5.02		ug/L		100	80 - 120
Trichloroethene	5.00	4.51		ug/L		90	80 - 120
1,1,2,2-Tetrachloroethane	5.00	6.40	*+	ug/L		128	75 - 123
1,2,3-Trichlorobenzene	5.00	4.59		ug/L		92	68 - 125
1,2-Dichlorobenzene	5.00	4.85		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.04		ug/L		101	56 - 148
Isopropylbenzene	5.00	5.05		ug/L		101	80 - 120
Dibromomethane	5.00	4.57		ug/L		91	80 - 122
di-Isopropyl ether	5.00	5.78		ug/L		116	58 - 131
Ethyl t-butyl ether	5.00	5.24		ug/L		105	57 - 126
Hexachlorobutadiene	5.00	4.25		ug/L		85	72 - 132
Naphthalene	5.00	5.28		ug/L		106	64 - 122
n-Butylbenzene	5.00	5.51		ug/L		110	74 - 123
N-Propylbenzene	5.00	5.66		ug/L		113	74 - 122
p-Isopropyltoluene	5.00	5.17		ug/L		103	80 - 120
sec-Butylbenzene	5.00	5.48		ug/L		110	80 - 120
t-Amyl methyl ether	5.00	4.94		ug/L		99	65 - 125
t-Butyl alcohol	50.0	41.7		ug/L		83	62 - 138

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

Lab Sample ID: LCS 410-268505/4
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 268505

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
tert-Butylbenzene			5.00	4.83		ug/L		97	79 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

QC Association Summary

Client: ARCADIS U.S., Inc.
Job ID: 410-87996-2
Project/Site: 14489 - North East, MD

GC/MS VOA

Analysis Batch: 268048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-87996-10 - DL	MW-5A-W-220616	Total/NA	Groundwater	8260C LL	
MB 410-268048/7	Method Blank	Total/NA	Water	8260C LL	
LCS 410-268048/4	Lab Control Sample	Total/NA	Water	8260C LL	
LCSD 410-268048/5	Lab Control Sample Dup	Total/NA	Water	8260C LL	

Analysis Batch: 268505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-87996-10	MW-5A-W-220616	Total/NA	Groundwater	8260C LL	
MB 410-268505/6	Method Blank	Total/NA	Water	8260C LL	
LCS 410-268505/4	Lab Control Sample	Total/NA	Water	8260C LL	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Job ID: 410-87996-2
Project/Site: 14489 - North East, MD

Client Sample ID: MW-5A-W-220616
Lab Sample ID: 410-87996-10
Date Collected: 06/16/22 13:05
Matrix: Groundwater
Date Received: 06/17/22 21:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		5	268505	06/23/22 14:12	K4WN	ELLE
Total/NA	Analysis	8260C LL	DL	50	268048	06/22/22 20:41	DVW2	ELLE

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.
Job ID: 410-87996-2
Project/Site: 14489 - North East, MD

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	06-30-23

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

Client: ARCADIS U.S., Inc.
Job ID: 410-87996-2
Project/Site: 14489 - North East, MD

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

Method Summary

Client: ARCADIS U.S., Inc.
Job ID: 410-87996-2
Project/Site: 14489 - North East, MD

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: 410-87996-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-87996-10	MW-5A-W-220616	Groundwater	06/16/22 13:05	06/17/22 21:01

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-87996 Chain of Custody

eurofins Environment Testing America

Client Information	Sampler: Andy Feild	Lab PM: Moeller, Megan	COC No: 410-58714-12328.1
Client Contact: Courtney Pitman	Phone: 443 354 0186	E-Mail: Megan.Moeller@et.eurofinsus.com	State of Origin: Maryland
Company: ARCADIS U.S., Inc.	PWSID:		Page: Page 1 of 2
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested: Standard		Job #:
City: Fairport	TAT Requested (days): normal		
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No		
Phone: 281-355-3653(Tel)	PO #: 30067154		
Email: courtney.pitman@arcadis.com	WO #:		
Project Name: 14489 - North East, MD	Project #: 41002408		
Site: Maryland	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C_LL - 14489 Full List 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-1A-W-220616	6/16/22	1030	G	Water	N	N	3		
MW-2A-W-220616		1135		Water					
MW-3A-W-220616		1205		Water					
MW-8-W-220616		1235		Water					
MW-10-W-220616		0905		Water					
MW-11-W-220616		0940		Water					
DUP-01-W-220616		1030		Water					
RB-01-W-220616	6/16/22	1100	G	Water	N	N	3		
Trip Blank	-	-	-	Water			3		
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/16/22 1630	ANA			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	6-17-22 2101	EUL

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.1

Ver: 06/08/2021

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Andy Feild	Lab PM: Moeller, Megan	Carrier Tracking No(s):	COC No: 410-58714-12328.2
Client Contact: Courtney Pitman	Phone: 4433540186	E-Mail: Megan.Moeller@et.eurofinsus.com	State of Origin: Maryland	Page: Page 2 of 2
Company: ARCADIS U.S., Inc.	PWSID:			Job #:

Address: 295 Woodcliff Drive, Suite 301	Due Date Requested: Standard
City: Fairport	TAT Requested (days): Normal
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No
Phone: 281-355-3653(Tel)	PO #: 30067154
Email: courtney.pitman@arcadis.com	WO #:
Project Name: 14489 - North East, MD	Project #: 41002408
Site: Maryland	SSOW#:

Analysis Requested

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)	8260C_LL - 14489 Full List 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A		
MW-5A-W-220616	6/16/22	1305	G	Water	N	3		
				Water				

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Y - Trizma
	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 6/16/22 1620	Company ANA	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/18/22 1750	Company BMET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.1

(R) Originally received 6/17/22 2101 but not stored.

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 410-87996-2

Login Number: 87996

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Jeremiah, Cory T

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=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.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
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	

Arcadis U.S., Inc.

2839 Paces Ferry Rd, Suite 900

Atlanta, Georgia 30339

Tel 770 431 8666

www.arcadis.com