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ENVIRONMENT

Subject:
1st Semi-Annual Groundwater Monitoring Report – 2020
Former ExxonMobil Facility #14489
285 Old Bayview Road
North East, Cecil County, Maryland
MDE Case No. 1986-1205-CE

Date:
August 19, 2020

Contact:
Ray Wagner

Phone:
315-671-9173

Email:
raymond.wagner@arcadis.com

Our ref:
30007698

Dear Ms. Bull:

On behalf of ExxonMobil Environmental and Property Solutions Company (E&PS), Arcadis U.S., Inc. (Arcadis) is including three paper copies and one electronic copy on the attached CD of the 1st Semi-Annual Groundwater Monitoring Report – 2020 for the above referenced facility.

Please contact me at (315) 671-9173 with any questions or concerns regarding this submittal.

Sincerely,

Arcadis U.S., Inc.

Ray Wagner
Sr. Geologist/Project Manager

Copies:

Ms. Jewel Cox – E&PS
File – EM #14489

ARCADIS Design & Consultancy for natural and built assets

ExxonMobil Environmental and Property Solutions Company

1ST SEMI-ANNUAL GROUNDWATER MONITORING REPORT – 2020

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

August 2020

1ST SEMI-ANNAUL GROUNDWATER MONITORING REPORT - 2020

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Our Ref.:

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Date:

August 19, 2020

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1st Semi-Annual Groundwater Monitoring Report – 2020
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:	January 1, 2020 through June 30, 2020
Last Report:	2nd Semi-Annual Groundwater Monitoring Report, March 25, 2020

General Site Information

ExxonMobil Contact:	Ms. Jewel Cox
Consultant Contact:	Mr. Raymond Wagner
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

February 21, 2019:	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:	2.58 feet (MW-3A & MW-8) / 5.39 feet (MW-11)
Interpreted Groundwater Flow Direction:	South

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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) on March 6 and June 23, 2020 and 261 Bayview Road (Murtaugh) on March 16 and June 23, 2020. Dissolved-phase MTBE was the only chemical of concern (COC) detected in concentrations exceeding the applicable MEAT Standards for LUSTs as indicated below:

- Dissolved-phase concentration of MTBE was detected exceeding the applicable MEAT Groundwater Standard (20 µg/L) in 259 Bayiew Road influent stream on March 5, 2020 (41 µg/L).

Semi-Annual On-Site Sampling

On June 23, 2020, 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 November 11, 2019 to determine depth to bottom (DTB), depth to water (DTW), and depth to product (DTP), if present. DTW ranged from 2.58 feet below top of well casing (btoc) in groundwater monitoring wells MW-3A and MW-8 to 5.39 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 23, 2020 groundwater gauging event.

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 23, 2020. The maximum dissolved-phase concentrations of selected COCs detected during the June 2020 groundwater sampling event are summarized below:

Maximum Groundwater Concentrations (June 23, 2020)

Chemical of Concern	Well ID	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
Benzene	MW-2A	**38**	5.0
Toluene	MW-1A	310	1,000
Ethylbenzene	MW-2A	**1,200**	700
Xylenes (total)	MW-1A	1,800	10,000
MTBE	MW-2A	12	20
TBA	All	Non-Detect	NE
Naphthalene	MW-2A	**360**	0.7
DIPE	All	Non-Detect	NE

Notes:

Bolded concentrations exceed the applicable MEAT LUST Groundwater Standard.

µg/L = micrograms per liter

NE = Not Established

Dissolved-phase concentrations of benzene, MTBE, and naphthalene were detected in concentrations exceeding the applicable MEAT Standards for LUSTs on June 23, 2020. Overall concentrations of dissolved-phase COCs at the Site are consistent with the previous groundwater monitoring and sampling event in November 2019.

The next semi-annual groundwater monitoring and sampling event for the Site is scheduled for the fourth quarter of 2020. All 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) 8260B.

The next quarterly private water supply well sampling events are scheduled for the third quarter of 2020. 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 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 within 45 days of receipt of the 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 (RI) Report was submitted to 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 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 5 and 16 and June 23, 2020, 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 maximum detections of dissolved-phase chemicals of concern (COCs) detected during the March and June 2020 potable well sampling events are summarized in the table below:

Maximum Potable Well Concentrations (March and June 2020)

Chemical of Concern	Water Supply Well ID	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
Benzene	All	Non-Detect	5.0
Toluene	All	Non-Detect	1,000
Ethylbenzene	All	Non-Detect	700
Xylenes (total)	All	Non-Detect	10,000
MTBE	259 Bayview Road INF	**41**	20
TBA	259 Bayview Road EFF	69	NE
Naphthalene	All	Non-Detect	0.7
DIPE	259 Bayview Road INF	NA	NE

Notes:

Bolded concentrations exceed the applicable MEAT LUST Groundwater Standard.

µg/L = micrograms per liter

NE = Not Established

NA = Not Analyzed

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) on June 2020 in potable well samples collected from the influent stream of the POET system located at 259 Bayview Road.

Copies of the first and second quarters 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 23, 2020, 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. All 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 23, 2020. 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 23, 2020 ranged from 2.58 btoc in groundwater monitoring wells MW-3A and MW-8 to 5.39 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 23, 2020 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.

All 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 all groundwater monitoring wells were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, and fuel oxygenates using United States Environmental Protection Agency (USEPA) Method 8260B. 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 µg/L) in groundwater monitoring wells MW-1A (23.0 µg/L) and MW-2A (38.0µg/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 (1,200 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 (210 µg/L), MW-2A (360 µg/L), MW-5A (200 µg/L), and MW-11 (0.84 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 23, 2020)

Chemical of Concern	Well ID	Concentration (µg/L)	MEAT Groundwater Standard (µg/L)
Benzene	MW-2A	**38**	5.0
Toluene	MW-1A	310	1,000
Ethylbenzene	MW-2A	**1,200**	700
Xylenes (total)	MW-1A	1,800	10,000
MTBE	MW-2A	12	20
TBA	All	Non-Detect	NE
Naphthalene	MW-2A	**360**	0.7
DIPE	All	Non-Detect	NE

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 the ownership status of the access road connecting Old Bayview Road to the two properties. Once ownership is determined, ExxonMobil will work on an access agreement with the current owner(s) 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 March and June 2020 (Appendices A and B).

Free product was not detected in any of the groundwater monitoring wells gauged on June 23, 2020. The sampling data collected on June 23, 2020 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 since the previous groundwater monitoring and sampling event in November 2019.

Arcadis is currently coordinating a water line connection for both the 259 Bayview Road and 261 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 Town of North East to complete the water line connection activities. 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 2020. All 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) 8260B.

The next quarterly private water supply well sampling events are scheduled for September and November 2020. 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 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 2H 2020 semi-annual groundwater monitoring and sampling event will be submitted to the MDE for review and approval within 45 days of receipt of the laboratory analytical report.

References

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

Hunter Services, Inc., 1989 Remedial Investigation, Mobil Oil Corporation Retail Facility, 285 Old Bayview Road, Northeast, Maryland.

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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
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
237 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.11 J	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.11 J	<5	NA	NA	NA	NA	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	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/9/2008	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
243 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.18 J	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.18 J	<5	NA	NA	NA	NA	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	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/9/2008	<0.5	<0.5	<0.5	<0.5	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	<0.5	BRL	<0.5	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.1	<5	NA	NA	NA	NA	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	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/9/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.16 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
256 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	1.00	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.8	<5	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.67	<5	NA	NA	NA	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<0.5	BRL	0.76	<5	NA	NA	NA	<0.5	NA	NA
259 Bayview Road	3/30/2005	0.1	0.081	<0.5	<0.5	0.2	15.5	41	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	**21.1**	68.1	NA	NA	NA	NA	NA	NA
	8/29/2005	0.18 J	0.30 J	<0.5	0.15 J	0.63 J	16.8	52.8	NA	NA	NA	<0.5	NA	NA
	9/26/2005	0.083	<0.5	<0.5	0.213	0.296	16.4	44.3	NA	NA	NA	NA	NA	NA
	10/25/2005	<0.5	<0.5	<0.5	<0.5	BRL	19.3	38.6	NA	NA	NA	NA	NA	NA
	11/14/2005	<0.5	<0.5	<0.5	<0.5	BRL	5.9	16.7	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	19.8	50.0	NA	NA	NA	NA	NA	NA
	1/20/2006	<0.5	<0.5	<0.5	<0.5	BRL	13.3	44.3	NA	NA	NA	<0.5	NA	NA
	3/3/2006	0.096 J	<0.5	<0.5	<0.5	0.096 J	16.9	53.6	NA	NA	NA	<0.5	NA	NA
	4/3/2006	<0.5	<0.5	<0.5	<0.5	BRL	17.6	65.3	NA	NA	NA	<0.5	NA	NA
	5/15/2006	0.087 J	<0.5	<0.5	<0.5	0.087 J	20.0	58.9	NA	NA	NA	<0.5	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	18.4	64.5	NA	NA	NA	<0.5	NA	NA
	7/27/2006	0.083 J	<0.5	<0.5	<0.5	0.083 J	**22.1**	73.7	NA	NA	NA	<0.5	NA	NA
	8/29/2006	<0.5	<0.5	<0.5	<0.5	BRL	**23.7**	98.6	NA	NA	NA	<0.5	NA	NA
	9/26/2006	<0.5	<0.5	<0.5	<0.5	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	<0.5	BRL	**30.2**	93.0	<0.5	<0.5	1.5	<0.5	NA	NA
	11/30/2006	<0.5	<0.5	<0.5	<0.5	BRL	**30.9**	103	NA	NA	NA	<0.5	NA	NA
	12/19/2006	0.084 J	<0.5	<0.5	<0.5	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	<0.5	BRL	**33.2**	128	NA	NA	NA	<0.5	NA	NA
	2/28/2007	<0.5	<0.5	<0.5	<0.5	BRL	**38.6**	133	NA	NA	NA	<0.5	NA	NA
	3/15/2007	0.096 J	<0.5	<0.5	<0.5	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	<0.5	BRL	**32.2**	136	NA	NA	NA	<0.5	NA	NA
	4/17/2007	<0.5	<0.5	<0.5	<0.5	BRL	**29.9**	104	NA	NA	NA	<0.5	NA	NA
	5/31/2007	<0.5	<0.5	<0.5	<0.5	BRL	**38.0**	145	NA	NA	NA	<0.5	NA	NA
	6/22/2007	<0.5	<0.5	<0.5	<0.5	BRL	**36.8**	133	NA	NA	NA	<0.5	NA	NA
	9/19/2007	<0.5	<0.5	<0.5	<0.5	BRL	**39.9**	158	NA	NA	NA	<0.5	NA	NA
	10/23/2007	0.081 J	<0.5	<0.5	<0.5	0.081 J	**39.3**	142	NA	NA	NA	<0.5	NA	NA
	11/29/2007	<0.5	<0.5	<0.5	<0.5	BRL	**37.6**	189	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	**35.0**	148	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	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	<0.5	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	<0.5	BRL	**38.2**	131	0.11 J	<0.5	1.6	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	**35.8**	102	<0.5	<0.5	1.3	<0.5	NA	NA
	4/21/2009	0.079 J	<0.5	<0.5	<0.5	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	<0.5	BRL	**34.5**	134	0.075 J	<0.5	1.2	<0.5	NA	NA
	10/13/2009	<0.5	<0.5	<0.5	<0.5	BRL	**35.6**	118	0.11 J	<0.5	1.3	<0.5	NA	NA
	1/13/2010	<0.5	<0.5	<0.5	<0.5	BRL	**50.9**	173	<0.5	<0.5	1.6	<0.5	NA	NA
	4/21/2010	<0.5	<0.5	<0.5	<0.5	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	<0.5	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	<0.5	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	BRL	**43.6**	59.9	1.58	<0.5	<0.5	<5	NA	NA
	5/19/2011	<0.5	<0.5	<0.5	<1	BRL	**44.8**	86.2	<0.5	<0.5	1.63	<5	NA	NA
	7/12/2011	<1	<1	<1	<3	BRL	**43.2**	114	<1	<1	1.85	<5	NA	NA
	10/24/2011	<1	<1	<1	<3	BRL	**42.6**	99.3	1.49	<1	<1	<5	NA	NA
	2/8/2012	<1	<1	<1	<3	BRL	**39.2**	90.1	1.12	<1	<1	<5	NA	NA
	5/23/2012	<0.5	<0.5	<0.5	<1	BRL	**45.4**	65.2	<0.5	<0.5	1.68	<5	NA	NA
	8/14/2012	<1	<1	<1	<3	BRL	**36**	51.6	<1	<1	<2	<5	NA	NA
	10/4/2012	<0.5	<0.5	<0.5	<1	BRL	**47.9**	70.5	1.38	<0.5	<0.5	<5	NA	NA
	2/22/2013	<0.5	<0.5	<0.5	<1	BRL	**47.7**	64.8	1.3	<0.5	<0.5	<5	NA	NA
	5/1/2013	<0.5	<0.5	<0.5	<1	BRL	**49**	134	<0.5	<0.5	1.32	<5	NA	NA
	8/6/2013	<0.5	<0.5	<0.5	<1	BRL	**51.8**	154	<0.5	<0.5	1.49	<5	NA	NA
	10/3/2013	<0.5	<0.5	<0.5	<1	BRL	**38.4**	90.6	<0.5	<0.5	1.36	<5	NA	NA
	3/6/2014	<0.5	<0.5	<0.5	<1	BRL	**48**	117	<0.5	<0.5	1.3	<5	NA	NA
	6/12/2014	<0.5	<0.5	<0.5	<1	BRL	**52.7**	155	<0.5	<0.5	1.63	<5	NA	NA
	9/19/2014	<0.5	<0.5	<0.5	<1	BRL	**54.1**	138	<0.5	<0.5	1.45	<5	NA	NA
	11/13/2014	<0.5	<0.5	<0.5	<1	BRL	**47.9**	109	<0.5	<0.5	1.20	<5	NA	NA
	3/25/2015	<0.5	<0.5	<0.5	<1	BRL	**51.0**	187	<0.5	<0.5	1.41	<5	NA	NA
	6/25/2015	<0.5	<0.5	<0.5	<1	BRL	**59.3**	135	<0.5	<0.5	1.49	<5	NA	NA
	7/29/2015	<0.5	<0.5	<0.5	<1	BRL	**43.7**	101	<0.5	<0.5	1.15	<5	NA	NA
	10/29/2015	<0.5	<0.5	<0.5	<1	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	BRL	**54.2**	185	<0.5	<0.5	1.51	<5	NA	NA
	5/10/2016	<0.5	<0.5	<0.5	<1	BRL	**70.9**	143	<0.5	<0.5	1.43	<5	NA	NA
	8/16/2016	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	11/8/2016	<0.5	<0.5	<0.5	<1	BRL	12.7	35.2	<0.5	<0.5	0.538	<5	NA	NA
	2/9/2017	<0.5	<0.5	<0.5	<1	BRL	**48.6**	116	<0.5	<0.5	1.40	<5	NA	NA
	5/1/2017	<0.5	<0.5	<0.5	<1	BRL	**55.3**	142	<0.5	<0.5	1.40	<5	NA	NA
	8/8/2017	<0.5	<0.5	<0.5	<1	BRL	**47.7**	90.4	<0.5	<0.5	1.10	<5	NA	NA
	10/5/2017	<0.5	<0.5	<0.5	<1	BRL	**51.0**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/21/2018	<0.5	<0.5	<0.5	<0.5	BRL	**47**	100	<3.0	<3.0	1.2	<0.5	<5.0	<7.0
	5/29/2018	<0.5	<0.5	<0.5	<0.5	BRL	**51**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/27/2018	<0.5	<0.5	<0.5	<1	BRL	**24**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	10/23/2018	<0.5	<0.5	<0.5	<1	BRL	**55**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<1	BRL	**49**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<1	BRL	**51**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1	BRL	**43**	75	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1	BRL	**46**	87	NA	NA	NA	<0.5	<5.0	<7.0
	3/5/2020	<0.5	<0.5	<0.5	<1	BRL	**46**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
259 Bayview Road MID	3/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/17/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<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
	6/22/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	9/19/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	56.3	NA	NA	NA	<0.5	NA	NA
	10/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	85.5	NA	NA	NA	<0.5	NA	NA
	11/29/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	156	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.089 J	3.7 J	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	10.0	81.4	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.49 J	119	<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	4.3 J	<0.5	<0.5	<0.5	<0.5	NA	NA
	7/31/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	93.3	<0.5	<0.5	<0.5	<0.5	NA	NA
	10/13/2009	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	1/13/2010	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	58.3	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2010	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	20.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	7/22/2010	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/23/2010	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	101	<0.5	<0.5	<0.5	<0.5	NA	NA
	3/1/2011	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	5/19/2011	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	7/12/2011	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NA	NA
	10/24/2011	<1	<1	<1	<3	BRL	<1	63.4	<1	<1	<1	<5	NA	NA
	2/8/2012	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NA	NA
	5/23/2012	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	8/14/2012	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<2	<5	NA	NA
	10/4/2012	<0.5	<0.5	<0.5	<1	BRL	<0.5	27.2	<0.5	<0.5	<0.5	<5	NA	NA
	2/22/2013	<0.5	<0.5	<0.5	<1	BRL	<0.5	76.9	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2013	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA

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Table 1
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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	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	10/3/2013	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	3/6/2014	<0.5	<0.5	<0.5	<1	BRL	<0.5	75.8	<0.5	<0.5	<0.5	<5	NA	NA
	6/12/2014	<0.5	<0.5	<0.5	<1	BRL	<0.5	56.5	<0.5	<0.5	<0.5	<5	NA	NA
	9/19/2014	<0.5	<0.5	<0.5	<1	BRL	<0.5	128	<0.5	<0.5	<0.5	<5	NA	NA
	11/13/2014	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	3/25/2015	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	6/25/2015	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	7/29/2015	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	10/29/2015	<0.5	<0.5	<0.5	<1	BRL	<0.5	25.0	<0.5	<0.5	<0.5	<5	NA	NA
	2/11/2016	<0.5	<0.5	<0.5	<1	BRL	<0.5	78.2	<0.5	<0.5	<0.5	<5	NA	NA
	5/10/2016	<0.5	<0.5	<0.5	<1	BRL	<0.5	107	<0.5	<0.5	<0.5	<5	NA	NA
	8/16/2016	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	11/8/2016	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	2/9/2017	<0.5	<0.5	<0.5	<1	BRL	<0.5	37.1	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2017	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	8/8/2017	<0.5	<0.5	<0.5	<1	BRL	<0.5	32.2	<0.5	<0.5	<0.5	<5	NA	NA
	10/5/2017	<0.5	<0.5	<0.5	<1	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/21/2018	<0.5	<0.5	<0.5	<0.5	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	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/27/2018	<0.5	<0.5	<0.5	<1	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	10/23/2018	<0.5	<0.5	<0.5	<1	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	100	NA	NA	NA	<0.5	<5.0	<7.0
	11/10/2019	<0.5	<0.5	<0.5	<0	BRL	<0.4	83	NA	NA	NA	<0.4	<5.1	<7.1
	3/5/2020	<0.5	<0.5	<0.5	<1	BRL	**41.0**	49	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
259 Bayview Road EFF	3/23/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	4/17/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<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
	6/22/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	NA	NA	NA	<0.5	NA	NA
	9/19/2007	<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	4.7 J	NA	NA	NA	<0.5	NA	NA
	11/29/2007	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	22.4	NA	NA	NA	<0.5	NA	NA
	3/24/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.22 J	4.8 J	NA	NA	NA	<0.5	NA	NA
	6/30/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.18 J	100	<0.5	<0.5	<0.5	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.15 J	111	<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
	7/31/2009	<0.5	<0.5	<0.5	<0.5	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	<0.5	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	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2010	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	7/22/2010	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<5	<0.5	<0.5	<0.5	<0.5	NA	NA
	11/23/2010	<0.5	<0.5	<0.5	<0.5	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	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	5/19/2011	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	7/12/2011	<1	<1	<1	<3	BRL	<1	<20	<1	<1	<1	<5	NA	NA
	10/24/2011	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NA	NA
	2/8/2012	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<1	<5	NA	NA
	5/23/2012	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	8/14/2012	<1	<1	<1	<3	BRL	<1	<10	<1	<1	<2	<5	NA	NA
	10/4/2012	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	2/22/2013	<0.5	<0.5	<0.5	<1	BRL	<0.5	26.1	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2013	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	8/6/2013	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	10/3/2013	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	3/6/2014	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	6/12/2014	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	9/19/2014	<0.5	<0.5	<0.5	<1	BRL	<0.5	18.5	<0.5	<0.5	<0.5	<5	NA	NA
	11/13/2014	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	3/25/2015	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	6/25/2015	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	7/29/2015	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	10/29/2015	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	2/11/2016	<0.5	<0.5	<0.6	<2	BRL	<0.6	<11	<0.5	<0.5	<0.5	<6	NA	NA
	5/10/2016	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10	<0.5	<0.5	<0.5	<5	NA	NA
	8/16/2016	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	11/8/2016	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	2/9/2017	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2017	<0.5	<0.5	<0.5	<1	BRL	<0.5	<10.0	<0.5	<0.5	<0.5	<5	NA	NA
	8/8/2017	<0.5	<0.5	<0.5	<1	BRL	<0.5	<0.5	<0.5	<0.5	<0.5	<5	NA	NA
	10/5/2017	<0.5	<0.5	<0.5	<1	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/21/2018	<0.5	<0.5	<0.5	<1	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	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/27/2018	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	10/23/2018	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	3/5/2020	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	69	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
261 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	1.1	<5	NA	NA	NA	NA	NA	NA
	9/26/2005	<0.5	<0.5	<0.5	<0.5	BRL	1.2	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	1.7	2.6	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	1.6	2.8 J	NA	NA	NA	<0.5	NA	NA
	1/30/2007	<0.5	<0.5	<0.5	<0.5	BRL	2.6	6.4	NA	NA	NA	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	4.6	16.3	<0.5	<0.5	<0.5	<0.5	NA	NA
	12/9/2008	<0.5	<0.5	<0.5	<0.5	BRL	5.0	18.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	2/11/2009	<0.5	<0.5	<0.5	<0.5	BRL	4.0	12.4	<0.5	<0.5	<0.5	<0.5	NA	NA
	4/21/2009	<0.5	<0.5	<0.5	<0.5	BRL	5.1	16.0	<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**	**--**	**--**
261 Bayview Road (cont.)	7/31/2009	<0.5	<0.5	<0.5	<0.5	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	<0.5	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	<0.5	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	<0.5	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	<0.5	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	<0.5	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	BRL	7.2	11.6	<0.5	<0.5	<0.5	<5	NA	NA
	5/19/2011	<0.5	<0.5	<0.5	<1	BRL	6.8	15.0	<0.5	<0.5	<0.5	<5	NA	NA
	7/12/2011	<1	<1	<1	<3	BRL	7.41	<20	<1	<1	<1	<5	NA	NA
	10/24/2011	<1	<1	<1	<3	BRL	8.85	<10	<1	<1	<1	<5	NA	NA
	2/8/2012	<1	<1	<1	<3	BRL	6.03	<10	<1	<1	<1	<5	NA	NA
	5/23/2012	<0.5	<0.5	<0.5	<1	BRL	10.2	21.6	<0.5	<0.5	<0.5	<5	NA	NA
	8/14/2012	<1	<1	<1	<3	BRL	8.03	23.1	<1	<1	<1	<5	NA	NA
	10/4/2012	<0.5	<0.5	<0.5	<1	BRL	8.71	14.5	<0.5	<0.5	<0.5	<5	NA	NA
	2/22/2013	<0.5	<0.5	<0.5	<1	BRL	10.1	28.6	<0.5	<0.5	<0.5	<5	NA	NA
	5/1/2013	<0.5	<0.5	<0.5	<1	BRL	7.81	29.5	<0.5	<0.5	<0.5	<5	NA	NA
	8/6/2013	<0.5	<0.5	<0.5	<1	BRL	9.01	51	<0.5	<0.5	<0.5	<5	NA	NA
	10/3/2013	<0.5	<0.5	<0.5	<1	BRL	7.30	15.5	<0.5	<0.5	<0.5	<5	NA	NA
	3/6/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
	6/12/2014	<0.5	<0.5	<0.5	<1	BRL	8.24	19.4	<0.5	<0.5	<0.5	<5	NA	NA
	9/19/2014	<0.5	<0.5	<0.5	<1	BRL	10.7	31.3	<0.5	<0.5	<0.5	<5	NA	NA
	11/13/2014	<0.5	<0.5	<0.5	<1	BRL	9.09	23.8	<0.5	<0.5	<0.5	<5	NA	NA
	3/25/2015	<0.5	<0.5	<0.5	<1	BRL	10.1	36.0	<0.5	<0.5	<0.5	<5	NA	NA
	6/25/2015	<0.5	<0.5	<0.5	<1	BRL	9.79	29.6	<0.5	<0.5	<0.5	<5	NA	NA
	7/29/2015	<0.5	<0.5	<0.5	<1	BRL	8.38	14.5	<0.5	<0.5	<0.5	<5	NA	NA
	10/29/2015	<0.5	<0.5	<0.5	<1	BRL	13.6	36.6	<0.5	<0.5	<0.5	<5	NA	NA
	2/11/2016	<0.5	<0.5	<0.5	<1	BRL	9.73	33.4	<0.5	<0.5	<0.5	<5	NA	NA
	5/10/2016	<0.5	<0.5	<0.5	<1	BRL	13.6	32.5	<0.5	<0.5	<0.5	<5	NA	NA
	8/16/2016	<0.5	<0.5	<0.5	<1	BRL	12.4	19.2	<0.5	<0.5	<0.5	<5	NA	NA
	11/8/2016	<0.5	<0.5	<0.5	<1	BRL	<0.5	51.7	<0.5	<0.5	<0.5	<5	NA	NA
	2/9/2017	<0.5	<0.5	<0.5	<1	BRL	14.2	37.8	<0.5	<0.5	0.561	<5	NA	NA
	5/1/2017	<0.5	<0.5	<0.5	<1	BRL	16.5	51.5	<0.5	<0.5	<0.5	<5	NA	NA
	8/8/2017	<0.5	<0.5	<0.5	<1	BRL	12.6	31.7	<0.5	<0.5	<0.5	<5	NA	NA
	10/5/2017	<0.5	<0.5	<0.5	<1	BRL	17	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/21/2018	<0.5	<0.5	<0.5	<0.5	BRL	17	34	<3.0	<3.0	0.5	<0.5	<5.0	<7.0
	5/29/2018	<0.5	<0.5	<0.5	<0.5	BRL	19	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/27/2018	<0.5	<0.5	<0.5	<1	BRL	15	NA	NA	NA	NA	<0.5	<5.0	<7.0
	10/23/2018	<0.5	<0.5	<0.5	<1	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	<0.5	BRL	**22**	NA	NA	NA	NA	<0.5	2,000	2,800
	12/28/2018	<0.5	<0.5	<0.5	<0.5	BRL	19	NA	NA	NA	NA	<0.5	<5.0	<7.0
	1/25/2019	<0.5	<0.5	<0.5	<0.5	BRL	18	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<0.5	BRL	**21**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	3/18/2019	<0.5	<0.5	<0.5	<0.5	BRL	**24**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<0.5	BRL	**27**	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1	BRL	20	48	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1	BRL	**21**	46	NA	NA	NA	<0.5	<5.0	<7.0
	3/16/2020	<0.5	<0.5	<0.5	<0.5	BRL	14	38	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1	BRL	17	39	NA	NA	NA	<0.5	<5.0	<7.0

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Table 1
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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**	**--**	**--**
261 Bayview Road MID	11/28/2018	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	310	380
	12/28/2018	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	1/25/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	3/18/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	56	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	51	NA	NA	NA	<0.5	<5.0	<7.0
	3/16/2020	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
261 Bayview Road EFF	11/28/2018	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	1,800	2,700
	12/28/2018	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	1/25/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	2/22/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	19
	3/18/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	5/30/2019	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	NA	NA	NA	NA	<0.5	<5.0	<7.0
	8/28/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	50	NA	NA	NA	<0.5	<5.0	<7.0
	11/11/2019	<0.5	<0.5	<0.5	<1	BRL	<0.5	51	NA	NA	NA	<0.5	<5.0	<7.0
	3/16/2020	<0.5	<0.5	<0.5	<0.5	BRL	<0.5	<25	NA	NA	NA	<0.5	<5.0	<7.0
	6/23/2020	<0.5	<0.5	<0.5	<1	BRL	<0.50	<25	NA	NA	NA	<0.5	<5.0	<7.0
265 Bayview Road	6/23/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.57	<5	NA	NA	NA	NA	NA	NA
	12/19/2005	<0.5	<0.5	<0.5	<0.5	BRL	0.47	<5	NA	NA	NA	NA	NA	NA
	6/12/2006	<0.5	<0.5	<0.5	<0.5	BRL	0.57	<5	NA	NA	NA	<0.5	NA	NA
	9/23/2008	<0.5	<0.5	<0.5	<0.5	BRL	0.35 J	<5	<0.5	<0.5	<0.5	<0.5	NA	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

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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**	**--**	**--**
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**

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-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**

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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	54.5	<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	74.43	**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

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Table 2
Groundwater Monitoring and Analytical Data

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

ARCADIS Design & Consultancy for natural and built assets

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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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-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]**
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

ARCADIS Design & Consultancy for natural and built assets

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
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

See Notes on Page 13.

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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-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
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

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-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**
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

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						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

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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-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 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
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

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

See Notes on Page 6.

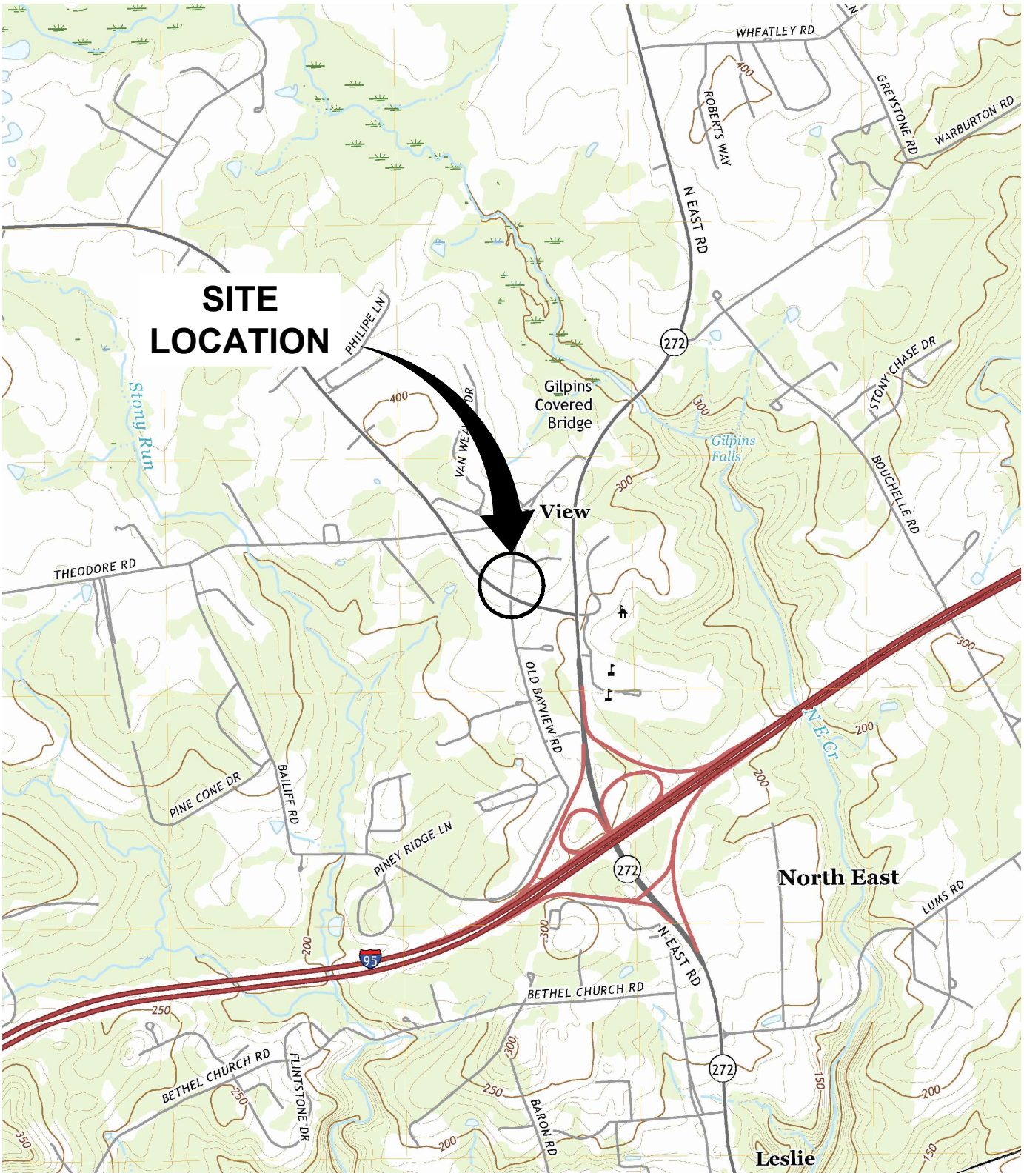
Table 3
Monitored Natural Attenuation Data

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

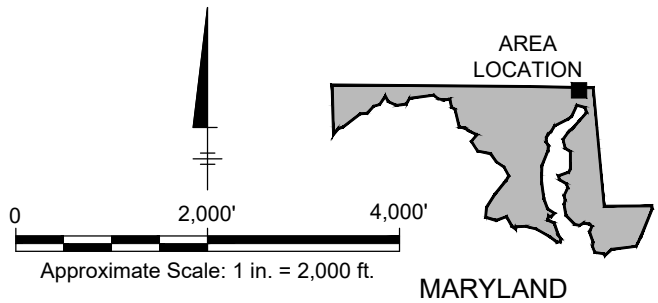
Well ID	Date	Laboratory Analytical				Field Parameters				
		Sulfate (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Nitrate/Nitrite (mg/L)	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)
MEAT Groundwater Standard:		--	***2,600***	--	--	--	--	--	--	--
MW-16 (cont.)	3/7/2017	NS	NS	NS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

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

FIGURES



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 Design & Consultancy for natural and built assets

FIGURE
1

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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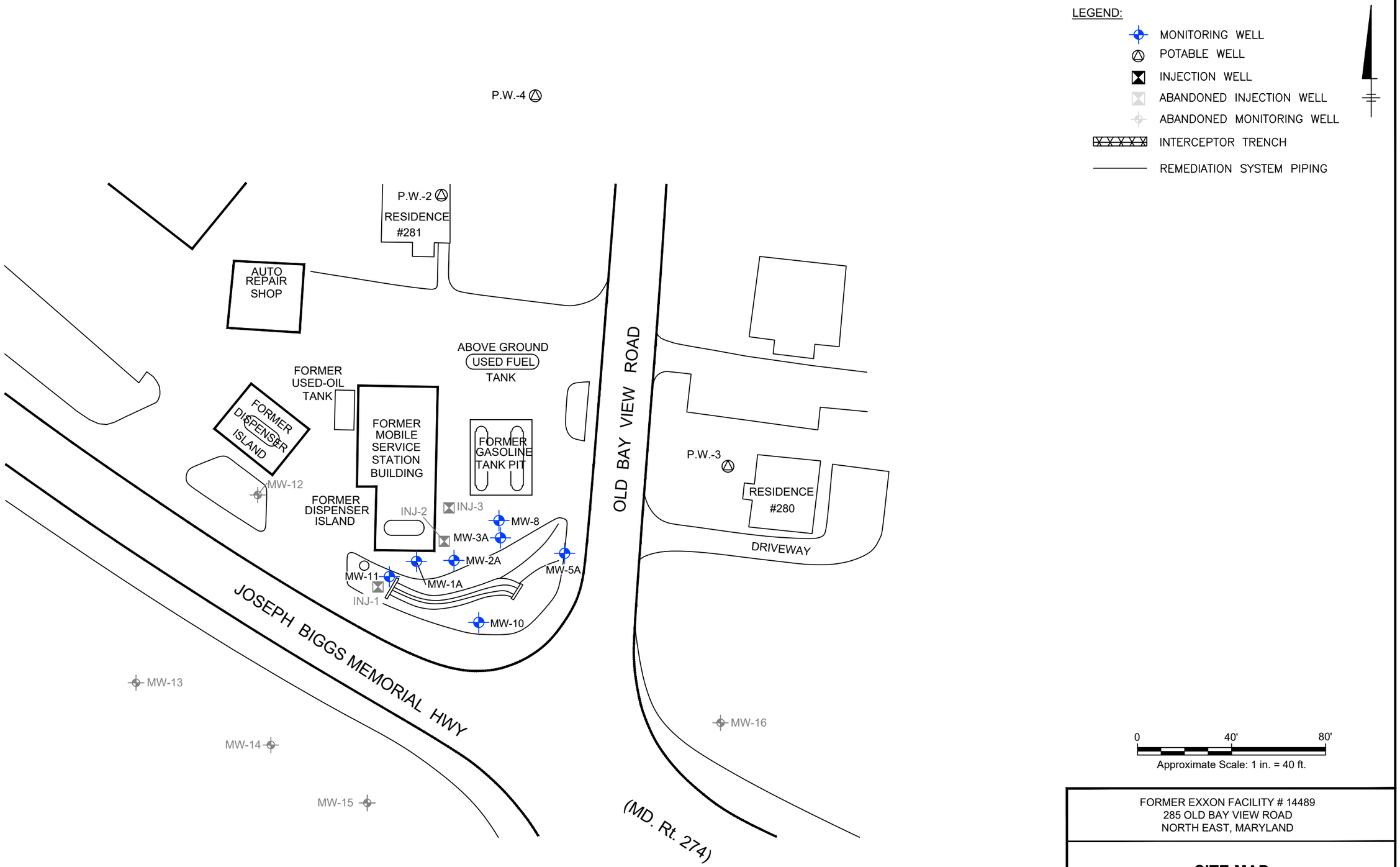
1/9/2020 12:30 PM BY: CHANDREGOWDA, VIKRAM
XREFS:
PROJECTNAME: ----

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
(LMS TECH) C:\Users\machchir1256\BIM 360\Arcadis\ANA - EXXON MOBIL\Project Files\14489 - 285 OLD BAYVIEW ROAD, MD\2020\30007698\01-DWG\14489-Fig2-SM_2020.dwg LAYOUT: 2 SAVED: 7/31/2020 4:29 PM ACADVER: 23.1S
PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 7/31/2020 4:31 PM BY: MACHCHIWAR, RAVANEELA
XREFS: PROJECTNAME: ----

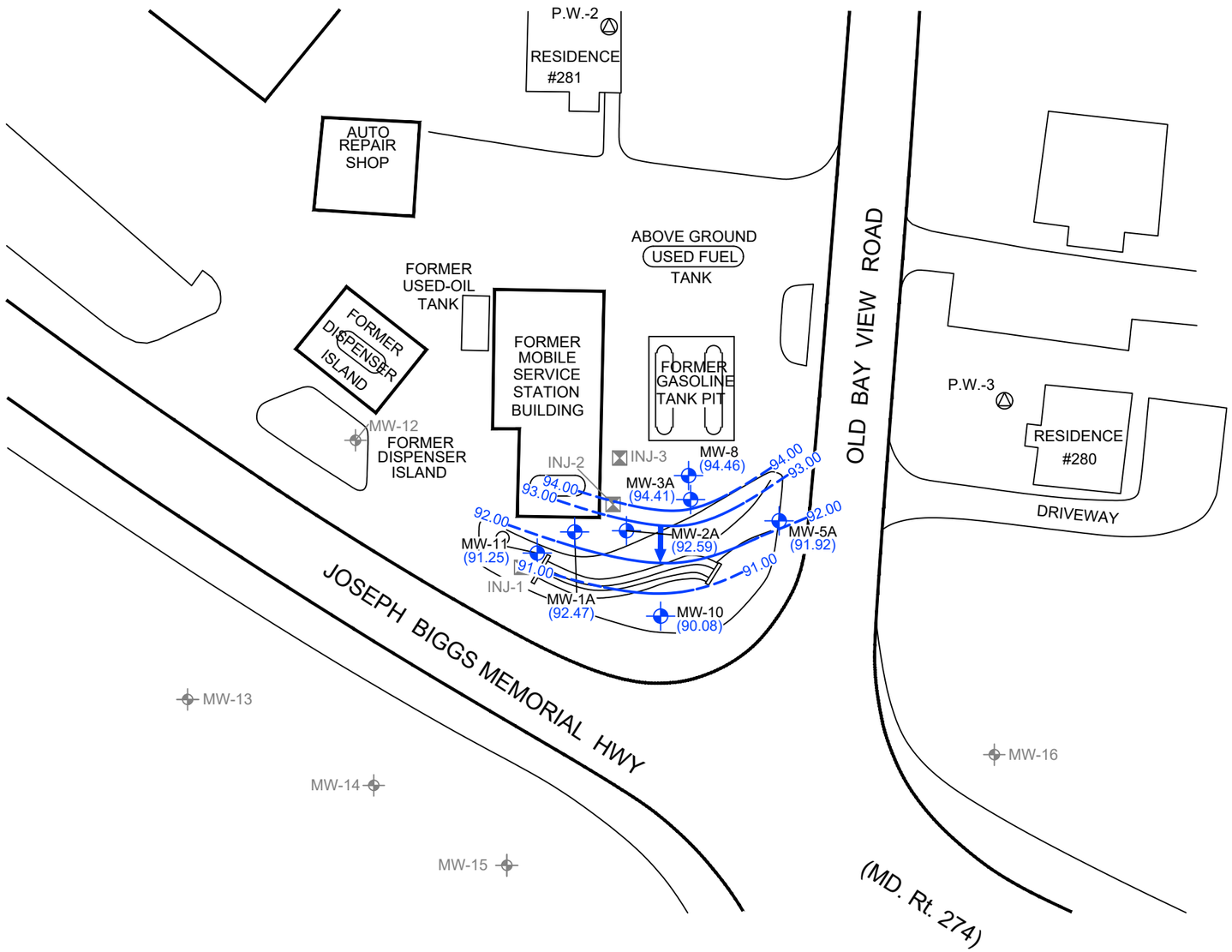


FORMER EXXON FACILITY # 14489
285 OLD BAY VIEW ROAD
NORTH EAST, MARYLAND

SITE MAP

ARCADIS Design & Consultancy for natural and built assets

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)
- (94.46) GROUND WATER 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 23, 2020

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF* ACADVER: 23.1S
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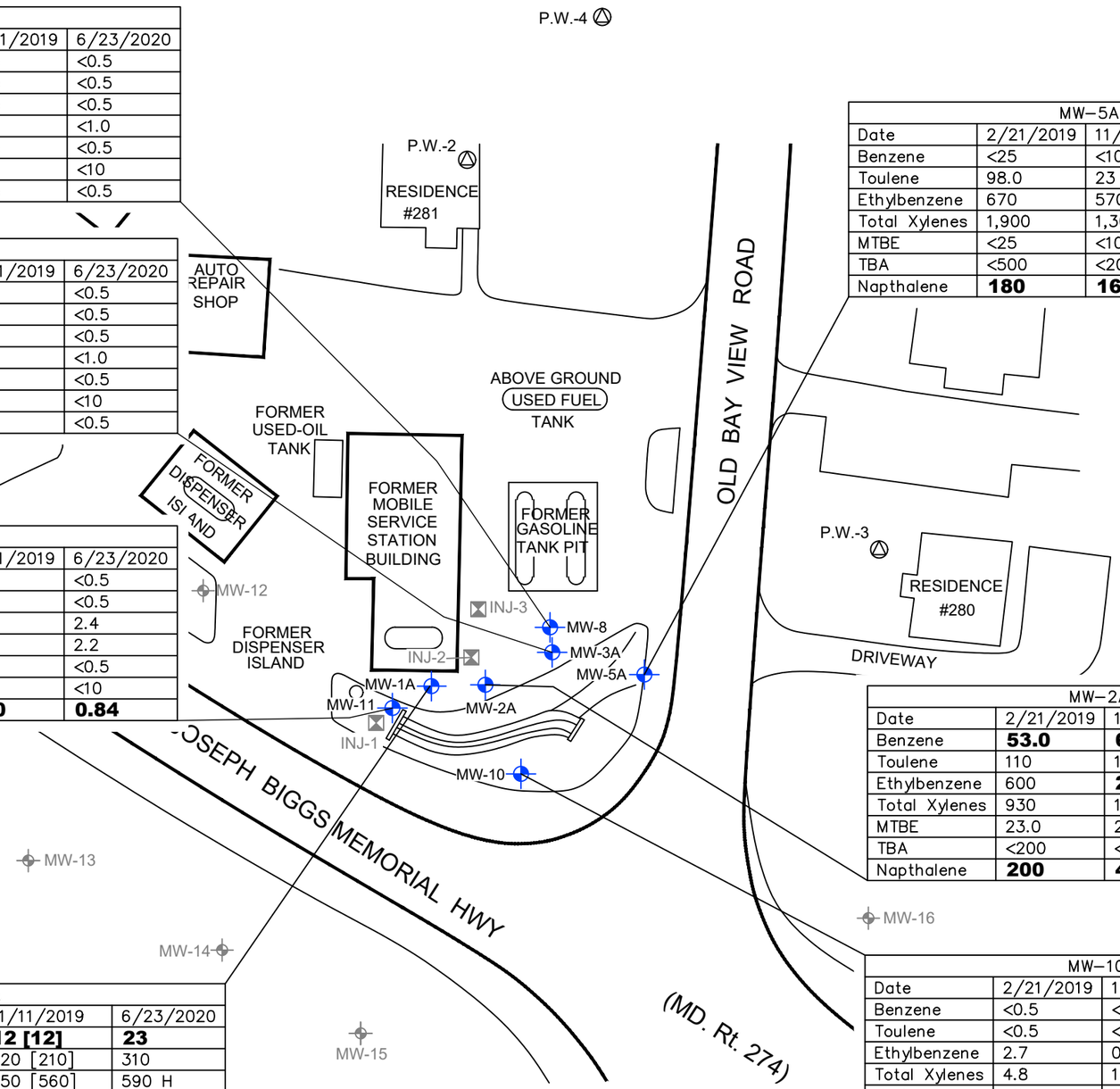
PROJECTNAME: ----



LEGEND:

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

MW–8			
Date	2/21/2019	11/11/2019	6/23/2020
Benzene	<0.5	<0.5	<0.5
Toulene	<0.5	<0.5	<0.5
Ethylbenzene	<0.5	<0.5	<0.5
Total Xylenes	<0.5	<1.0	<1.0
MTBE	<0.5	<0.5	<0.5
TBA	<10	<10	<10
Napthalene	<0.5	<0.5	<0.5

MW–3A			
Date	2/21/2019	11/11/2019	6/23/2020
Benzene	<0.5	<0.5	<0.5
Toulene	<0.5	<0.5	<0.5
Ethylbenzene	<0.5	<0.5	<0.5
Total Xylenes	0.8	<1.0	<1.0
MTBE	<0.5	<0.5	<0.5
TBA	<10	<10	<10
Napthalene	<0.5	<0.5	<0.5

MW–11			
Date	2/21/2019	11/11/2019	6/23/2020
Benzene	<0.5	<0.5	<0.5
Toulene	<0.5	<0.5	<0.5
Ethylbenzene	2.70	2.3	2.4
Total Xylenes	0.7	1.7	2.2
MTBE	<0.5	0.8	<0.5
TBA	<10	<10	<10
Napthalene	**1.70**	**2.30**	**0.84**

MW–1A			
Date	2/21/2019	11/11/2019	6/23/2020
Benzene	**25 [25]**	**12 [12]**	**23**
Toulene	550 [520]	220 [210]	310
Ethylbenzene	390 [350]	550 [560]	590 H
Total Xylenes	2,000 [1,900]	1,600 [1,600]	1,800 H
MTBE	<10 [<5.0]	<2.5 [<2.5]	<10
TBA	<200 [<100]	<50 [<50]	<200
Napthalene	**150 [160]**	**180 [180]**	**210**

MW–5A			
Date	2/21/2019	11/11/2019	6/23/2020
Benzene	<25	<10	4.5 F1 [4.5]
Toulene	98.0	23	15 [16]
Ethylbenzene	670	570	490 [490]
Total Xylenes	1,900	1,300	1,200 [1,200]
MTBE	<25	<10	<2.5 [<2.5]
TBA	<500	<200	<50 F1 [<50]
Napthalene	**180**	**160**	**200 [190]**

MW–2A			
Date	2/21/2019	11/11/2019	6/23/2020
Benzene	**53.0**	**69**	**38**
Toulene	110	140	180
Ethylbenzene	600	**2,000**	**1,200 H**
Total Xylenes	930	1,400	1,600
MTBE	23.0	20	12
TBA	<200	<100	<50
Napthalene	**200**	**410**	**360**

MW–10			
Date	2/21/2019	11/11/2019	6/23/2020
Benzene	<0.5	<0.5	<0.5
Toulene	<0.5	<0.5	<0.5
Ethylbenzene	2.7	0.6	<0.5
Total Xylenes	4.8	1.5	<1.0
MTBE	<0.5	4.4	4.2
TBA	<10	<10	<10
Napthalene	0.9	<0.5	<0.5

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. H - SAMPLE WAS PREPPED OR ANALYZED BEYOND THE SPECIFIED.
4. 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
FEBRUARY 2019 - JUNE 2020

ARCADIS Design & Consultancy for natural and built assets

FIGURE
4

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF* OUT=*;VP=*;PIC=*
C:\Users\machchir1256\BIM 360\Arcadis\ANA - EXXON MOBIL\Project Files\14489 - 285 OLD BAYVIEW ROAD, MD\2020\3000769B\01-DWG\14489-Fig4-GWAM_2Q20.dwg LAYOUT: 4 SAVED: 7/31/2020 5:04 PM ACADVER: 23.1S
(LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 7/31/2020 5:04 PM BY: MACHCHIWAR, RAVANEELA
XREFS: PROJECTNAME: ----

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

Arcadis of New York, Inc.
110 West Fayette Street
Suite 300
Syracuse
New York 13202
Tel 315 671 9171
www.arcadis.com

Subject:
Potable Well Sampling Results
259 Old Bayview Road
North East, Maryland 21901

ENVIRONMENT

Date:
April 20, 2020

Contact:
Raymond Wagner

Phone:
315-671-9173

Email:
raymond.wagner@arcadis.com

Our ref:
30007698

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 5, 2020. 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 follow: 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 5, 2020 potable well sampling indicated the following:

- Influent: Dissolved-phase concentrations of methyl tert-butyl ether (MTBE) were detected above the minimum laboratory detection limit. The dissolved-phase detection of MTBE 41 micrograms per liter (µg/L) is equivalent to the applicable MDE Generic Numeric Cleanup Standard for MTBE of 20 µg/L. Dissolved-phase concentrations of t-Butyl Alcohol (TBA) (49 µg/L) were detected above the minimum laboratory detection limit.
- Midfluent: Dissolved-phase concentrations of TBA (89 µg/L) were detected above the minimum laboratory detection limit.

- Effluent: Dissolved-phase concentrations of TBA (69 µg/L) were detected above the minimum laboratory detection limit.

The next quarterly GAC POET system sampling event is scheduled for June 23, 2020. Arcadis will contact you in advance of the sampling date to confirm that access to the GAC POET system can be granted.

Thank you for your cooperation. If you have any questions regarding the sampling results or investigation in your area, please contact Mr. Raymond Wagner (Arcadis) at 315-671-9173, Ms. Susan Bull (MDE) at 410-537-3499, or Ms. Jewel Cox (E&PS) at 201-341-4687.

Sincerely,

Arcadis U.S., Inc.

Raymond Wagner
Certified Project Manager

Attachments:
Laboratory Analytical Report (259 Old Bayview Road) – April 9, 2020

Copies:
Ms. Jewel Cox – E&PS
Ms. Susan Bull – MDE
File – EM 14489

ATTACHMENT

Laboratory Analytical Report

eurofins
Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

REVISED

ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ExxonMobil c/o Arcadis
5420 Wade Park Blvd
Suite 350
Raleigh NC 27607

Report Date: April 09, 2020 15:16

Project: 14489 - North East, MD

Account #: 42309
Group Number: 2091157
PO Number: 30007698
Release Number: CAMPBELL
State of Sample Origin: MD

Electronic Copy To	ARCADIS	Attn: Jerome Oertling
Electronic Copy To	Arcadis	Attn: Nicholle Griffith

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

A previous version of this report was generated on 03/12/2020 09:24.

To view our laboratory's current scopes of accreditation please go to https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/ . Historical copies may be requested through your project manager.

eurofins
Lancaster Laboratories
Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

REVISED

SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
259 Bayview-Influent Grab Potable Water	03/05/2020 09:30	1274710
259 Bayview-Midfluent Grab Potable Water	03/05/2020 09:30	1274711
259 Bayview-Effluent Grab Potable Water	03/05/2020 09:30	1274712
Trip Blank Water	03/05/2020	1274713

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

Analysis Report

REVISED

Sample Description: **259 Bayview-Influent Grab Potable Water**
EM# 14489
259 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1274710
ELLE Group #: 2091157
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/06/2020 19:21
Collection Date/Time: 03/05/2020 09:30

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Acetone	67-64-1	< 10	10	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	Allyl Chloride	107-05-1	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromobenzene	108-86-1	< 0.5	0.5	1
03648	Bromochloromethane	74-97-5	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	49	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Disulfide	75-15-0	< 2.0	2.0	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chloroacetonitrile	107-14-2	< 50	50	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	1-Chlorobutane	109-69-3	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	2-Chlorotoluene	95-49-8	< 0.5	0.5	1
03648	4-Chlorotoluene	106-43-4	< 0.5	0.5	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	< 1.0	1.0	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dibromoethane	106-93-4	< 0.5	0.5	1
03648	Dibromomethane	74-95-3	< 0.5	0.5	1
03648	trans-1,4-Dichloro-2-butene	110-57-6	< 5.0	5.0	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	Dichlorodifluoromethane	75-71-8	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	1,3-Dichloropropane	142-28-9	< 0.5	0.5	1
03648	2,2-Dichloropropane	594-20-7	< 0.5	0.5	1
03648	1,1-Dichloropropanone	513-88-2	< 50	50	1
03648	1,1-Dichloropropene	563-58-6	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl Ether	60-29-7	< 0.5	0.5	1
03648	Ethyl Methacrylate	97-63-2	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	Hexachlorobutadiene	87-68-3	< 0.5	0.5	1

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-6766 • www.EurofinsUS.com/LancLabsEnv

Analysis Report

REVISED

Sample Description: **259 Bayview-Influent Grab Potable Water**
EM# 14489
259 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1274710
ELLE Group #: 2091157
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/06/2020 19:21
Collection Date/Time: 03/05/2020 09:30

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Hexachloroethane	67-72-1	< 0.5	0.5	1
03648	2-Hexanone	591-78-6	< 5.0	5.0	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methacrylonitrile	126-98-7	< 5.0	5.0	1
03648	Methyl Acrylate	96-33-3	< 5.0	5.0	1
03648	Methyl Iodide	74-88-4	< 0.5	0.5	1
03648	Methyl Methacrylate	80-62-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	41	0.5	1
03648	4-Methyl-2-pentanone	108-10-1	< 5.0	5.0	1
03648	Methylene Chloride	75-09-2	< 1.0	1.0	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	Nitrobenzene	98-95-3	< 50	50	1
03648	2-Nitropropane	79-46-9	< 53	53	1
03648	Pentachloroethane	76-01-7	< 0.5	0.5	1
03648	Propionitrile	107-12-0	< 10	10	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	Styrene	100-42-5	< 0.5	0.5	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Tetrahydrofuran	109-99-9	< 7.0	7.0	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,2,3-Trichlorobenzene	87-61-6	< 0.5	0.5	1
03648	1,2,4-Trichlorobenzene	120-82-1	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,3-Trichloropropane	96-18-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	m+p-Xylene	179601-23-1	< 0.5	0.5	1
03648	o-Xylene	95-47-6	< 0.5	0.5	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs by EPA 524.2	EPA 524.2	1	K200691AA	03/09/2020 18:32	Don V Viray	1

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Analysis Report

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Sample Description: **259 Bayview-Midfluent Grab Potable Water**
EM# 14489
259 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1274711
ELLE Group #: 2091157
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/06/2020 19:21
Collection Date/Time: 03/05/2020 09:30

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Acetone	67-64-1	< 10	10	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	Allyl Chloride	107-05-1	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromobenzene	108-86-1	< 0.5	0.5	1
03648	Bromochloromethane	74-97-5	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	89	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Disulfide	75-15-0	< 2.0	2.0	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chloroacetonitrile	107-14-2	< 50	50	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	1-Chlorobutane	109-69-3	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	2-Chlorotoluene	95-49-8	< 0.5	0.5	1
03648	4-Chlorotoluene	106-43-4	< 0.5	0.5	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	< 1.0	1.0	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dibromoethane	106-93-4	< 0.5	0.5	1
03648	Dibromomethane	74-95-3	< 0.5	0.5	1
03648	trans-1,4-Dichloro-2-butene	110-57-6	< 5.0	5.0	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	Dichlorodifluoromethane	75-71-8	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	1,3-Dichloropropane	142-28-9	< 0.5	0.5	1
03648	2,2-Dichloropropane	594-20-7	< 0.5	0.5	1
03648	1,1-Dichloropropanone	513-88-2	< 50	50	1
03648	1,1-Dichloropropene	563-58-6	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl Ether	60-29-7	< 0.5	0.5	1
03648	Ethyl Methacrylate	97-63-2	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	Hexachlorobutadiene	87-68-3	< 0.5	0.5	1

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Analysis Report

REVISED

Sample Description: **259 Bayview-Midfluent Grab Potable Water**
EM# 14489
259 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1274711
ELLE Group #: 2091157
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/06/2020 19:21
Collection Date/Time: 03/05/2020 09:30

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Hexachloroethane	67-72-1	< 0.5	0.5	1
03648	2-Hexanone	591-78-6	< 5.0	5.0	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methacrylonitrile	126-98-7	< 5.0	5.0	1
03648	Methyl Acrylate	96-33-3	< 5.0	5.0	1
03648	Methyl Iodide	74-88-4	< 0.5	0.5	1
03648	Methyl Methacrylate	80-62-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	< 0.5	0.5	1
03648	4-Methyl-2-pentanone	108-10-1	< 5.0	5.0	1
03648	Methylene Chloride	75-09-2	< 1.0	1.0	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	Nitrobenzene	98-95-3	< 50	50	1
03648	2-Nitropropane	79-46-9	< 53	53	1
03648	Pentachloroethane	76-01-7	< 0.5	0.5	1
03648	Propionitrile	107-12-0	< 10	10	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	Styrene	100-42-5	< 0.5	0.5	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Tetrahydrofuran	109-99-9	< 7.0	7.0	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,2,3-Trichlorobenzene	87-61-6	< 0.5	0.5	1
03648	1,2,4-Trichlorobenzene	120-82-1	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,3-Trichloropropane	96-18-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	m+p-Xylene	179601-23-1	< 0.5	0.5	1
03648	o-Xylene	95-47-6	< 0.5	0.5	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs by EPA 524.2	EPA 524.2	1	K200691AA	03/09/2020 18:57	Don V Viray	1

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Analysis Report

REVISED

Sample Description: **259 Bayview-Effluent Grab Potable Water**
EM# 14489
259 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1274712
ELLE Group #: 2091157
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/06/2020 19:21
Collection Date/Time: 03/05/2020 09:30

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Acetone	67-64-1	< 10	10	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	Allyl Chloride	107-05-1	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromobenzene	108-86-1	< 0.5	0.5	1
03648	Bromochloromethane	74-97-5	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	69	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Disulfide	75-15-0	< 2.0	2.0	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chloroacetonitrile	107-14-2	< 50	50	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	1-Chlorobutane	109-69-3	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	2-Chlorotoluene	95-49-8	< 0.5	0.5	1
03648	4-Chlorotoluene	106-43-4	< 0.5	0.5	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	< 1.0	1.0	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dibromoethane	106-93-4	< 0.5	0.5	1
03648	Dibromomethane	74-95-3	< 0.5	0.5	1
03648	trans-1,4-Dichloro-2-butene	110-57-6	< 5.0	5.0	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	Dichlorodifluoromethane	75-71-8	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	1,3-Dichloropropane	142-28-9	< 0.5	0.5	1
03648	2,2-Dichloropropane	594-20-7	< 0.5	0.5	1
03648	1,1-Dichloropropanone	513-88-2	< 50	50	1
03648	1,1-Dichloropropene	563-58-6	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl Ether	60-29-7	< 0.5	0.5	1
03648	Ethyl Methacrylate	97-63-2	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	Hexachlorobutadiene	87-68-3	< 0.5	0.5	1

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Analysis Report

REVISED

Sample Description: **259 Bayview-Effluent Grab Potable Water**
EM# 14489
259 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1274712
ELLE Group #: 2091157
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/06/2020 19:21
Collection Date/Time: 03/05/2020 09:30

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Hexachloroethane	67-72-1	< 0.5	0.5	1
03648	2-Hexanone	591-78-6	< 5.0	5.0	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methacrylonitrile	126-98-7	< 5.0	5.0	1
03648	Methyl Acrylate	96-33-3	< 5.0	5.0	1
03648	Methyl Iodide	74-88-4	< 0.5	0.5	1
03648	Methyl Methacrylate	80-62-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	< 0.5	0.5	1
03648	4-Methyl-2-pentanone	108-10-1	< 5.0	5.0	1
03648	Methylene Chloride	75-09-2	< 1.0	1.0	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	Nitrobenzene	98-95-3	< 50	50	1
03648	2-Nitropropane	79-46-9	< 53	53	1
03648	Pentachloroethane	76-01-7	< 0.5	0.5	1
03648	Propionitrile	107-12-0	< 10	10	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	Styrene	100-42-5	< 0.5	0.5	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Tetrahydrofuran	109-99-9	< 7.0	7.0	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,2,3-Trichlorobenzene	87-61-6	< 0.5	0.5	1
03648	1,2,4-Trichlorobenzene	120-82-1	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,3-Trichloropropane	96-18-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	m+p-Xylene	179601-23-1	< 0.5	0.5	1
03648	o-Xylene	95-47-6	< 0.5	0.5	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs by EPA 524.2	EPA 524.2	1	K200691AA	03/09/2020 19:23	Don V Viray	1

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Analysis Report

REVISED

Sample Description: **Trip Blank Water**
EM# 14489
259 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1274713
ELLE Group #: 2091157
Matrix: Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/06/2020 19:21
Collection Date/Time: 03/05/2020

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Acetone	67-64-1	< 10	10	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	Allyl Chloride	107-05-1	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromobenzene	108-86-1	< 0.5	0.5	1
03648	Bromochloromethane	74-97-5	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Disulfide	75-15-0	< 2.0	2.0	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chloroacetonitrile	107-14-2	< 50	50	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	1-Chlorobutane	109-69-3	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	2-Chlorotoluene	95-49-8	< 0.5	0.5	1
03648	4-Chlorotoluene	106-43-4	< 0.5	0.5	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	< 1.0	1.0	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dibromoethane	106-93-4	< 0.5	0.5	1
03648	Dibromomethane	74-95-3	< 0.5	0.5	1
03648	trans-1,4-Dichloro-2-butene	110-57-6	< 5.0	5.0	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	Dichlorodifluoromethane	75-71-8	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	1,3-Dichloropropane	142-28-9	< 0.5	0.5	1
03648	2,2-Dichloropropane	594-20-7	< 0.5	0.5	1
03648	1,1-Dichloropropanone	513-88-2	< 50	50	1
03648	1,1-Dichloropropene	563-58-6	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl Ether	60-29-7	< 0.5	0.5	1
03648	Ethyl Methacrylate	97-63-2	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	Hexachlorobutadiene	87-68-3	< 0.5	0.5	1

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Analysis Report

REVISED

Sample Description: **Trip Blank Water**
EM# 14489
259 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1274713
ELLE Group #: 2091157
Matrix: Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/06/2020 19:21
Collection Date/Time: 03/05/2020

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Hexachloroethane	67-72-1	< 0.5	0.5	1
03648	2-Hexanone	591-78-6	< 5.0	5.0	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methacrylonitrile	126-98-7	< 5.0	5.0	1
03648	Methyl Acrylate	96-33-3	< 5.0	5.0	1
03648	Methyl Iodide	74-88-4	< 0.5	0.5	1
03648	Methyl Methacrylate	80-62-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	< 0.5	0.5	1
03648	4-Methyl-2-pentanone	108-10-1	< 5.0	5.0	1
03648	Methylene Chloride	75-09-2	< 1.0	1.0	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	Nitrobenzene	98-95-3	< 50	50	1
03648	2-Nitropropane	79-46-9	< 53	53	1
03648	Pentachloroethane	76-01-7	< 0.5	0.5	1
03648	Propionitrile	107-12-0	< 10	10	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	Styrene	100-42-5	< 0.5	0.5	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Tetrahydrofuran	109-99-9	< 7.0	7.0	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,2,3-Trichlorobenzene	87-61-6	< 0.5	0.5	1
03648	1,2,4-Trichlorobenzene	120-82-1	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,3-Trichloropropane	96-18-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	m+p-Xylene	179601-23-1	< 0.5	0.5	1
03648	o-Xylene	95-47-6	< 0.5	0.5	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs by EPA 524.2	EPA 524.2	1	K200691AA	03/09/2020 18:07	Don V Viray	1

REVISED

Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 04/09/2020 15:16

Group Number: 2091157

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 was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: K200691AA	Sample number(s): 1274710-1274713	
Acetone	< 10	10
Acrylonitrile	< 10	10
Allyl Chloride	< 0.5	0.5
Benzene	< 0.5	0.5
Bromobenzene	< 0.5	0.5
Bromochloromethane	< 0.5	0.5
Bromodichloromethane	< 0.5	0.5
Bromoform	< 0.5	0.5
Bromomethane	< 0.5	0.5
2-Butanone	< 5.0	5.0
t-Butyl Alcohol	< 25	25
n-Butylbenzene	< 0.5	0.5
sec-Butylbenzene	< 0.5	0.5
tert-Butylbenzene	< 0.5	0.5
Carbon Disulfide	< 2.0	2.0
Carbon Tetrachloride	< 0.5	0.5
Chloroacetonitrile	< 50	50
Chlorobenzene	< 0.5	0.5
1-Chlorobutane	< 0.5	0.5
Chloroethane	< 0.5	0.5
Chloroform	< 0.5	0.5
Chloromethane	< 0.5	0.5
2-Chlorotoluene	< 0.5	0.5
4-Chlorotoluene	< 0.5	0.5
1,2-Dibromo-3-chloropropane	< 1.0	1.0
Dibromochloromethane	< 0.5	0.5
1,2-Dibromoethane	< 0.5	0.5
Dibromomethane	< 0.5	0.5
trans-1,4-Dichloro-2-butene	< 5.0	5.0
1,2-Dichlorobenzene	< 0.5	0.5
1,3-Dichlorobenzene	< 0.5	0.5
1,4-Dichlorobenzene	< 0.5	0.5
Dichlorodifluoromethane	< 0.5	0.5
1,1-Dichloroethane	< 0.5	0.5
1,2-Dichloroethane	< 0.5	0.5
1,1-Dichloroethene	< 0.5	0.5
cis-1,2-Dichloroethene	< 0.5	0.5
trans-1,2-Dichloroethene	< 0.5	0.5
1,2-Dichloropropane	< 0.5	0.5

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 04/09/2020 15:16

Group Number: 2091157

Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l
1,3-Dichloropropane	< 0.5	0.5
2,2-Dichloropropane	< 0.5	0.5
1,1-Dichloropropanone	< 50	50
1,1-Dichloropropene	< 0.5	0.5
cis-1,3-Dichloropropene	< 0.5	0.5
trans-1,3-Dichloropropene	< 0.5	0.5
Ethyl Ether	< 0.5	0.5
Ethyl Methacrylate	< 0.5	0.5
Ethylbenzene	< 0.5	0.5
Hexachlorobutadiene	< 0.5	0.5
Hexachloroethane	< 0.5	0.5
2-Hexanone	< 5.0	5.0
Isopropylbenzene	< 0.5	0.5
p-Isopropyltoluene	< 0.5	0.5
Methacrylonitrile	< 5.0	5.0
Methyl Acrylate	< 5.0	5.0
Methyl Iodide	< 0.5	0.5
Methyl Methacrylate	< 0.5	0.5
Methyl Tertiary Butyl Ether	< 0.5	0.5
4-Methyl-2-pentanone	< 5.0	5.0
Methylene Chloride	< 1.0	1.0
Naphthalene	< 0.5	0.5
Nitrobenzene	< 50	50
2-Nitropropane	< 53	53
Pentachloroethane	< 0.5	0.5
Propionitrile	< 10	10
n-Propylbenzene	< 0.5	0.5
Styrene	< 0.5	0.5
1,1,1,2-Tetrachloroethane	< 0.5	0.5
1,1,2,2-Tetrachloroethane	< 0.5	0.5
Tetrachloroethene	< 0.5	0.5
Tetrahydrofuran	< 7.0	7.0
Toluene	< 0.5	0.5
1,2,3-Trichlorobenzene	< 0.5	0.5
1,2,4-Trichlorobenzene	< 0.5	0.5
1,1,1-Trichloroethane	< 0.5	0.5
1,1,2-Trichloroethane	< 0.5	0.5
Trichloroethene	< 0.5	0.5
Trichlorofluoromethane	< 0.5	0.5
1,2,3-Trichloropropane	< 0.5	0.5
1,2,4-Trimethylbenzene	< 0.5	0.5
1,3,5-Trimethylbenzene	< 0.5	0.5
Vinyl Chloride	< 0.5	0.5
m+p-Xylene	< 0.5	0.5
o-Xylene	< 0.5	0.5

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 04/09/2020 15:16

Group Number: 2091157

Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: K200691AA	Sample number(s): 1274710-1274713								
Acetone	37.5	32.22			86		70-130		
Acrylonitrile	112.5	103.79			92		70-130		
Allyl Chloride	5.00	4.61			92		70-130		
Benzene	5.00	4.95			99		70-130		
Bromobenzene	5.00	5.03			101		70-130		
Bromochloromethane	5.00	4.60			92		70-130		
Bromodichloromethane	5.00	5.28			106		70-130		
Bromoform	5.00	5.34			107		70-130		
Bromomethane	2.00	1.92			96		70-130		
2-Butanone	37.5	35.35			94		70-130		
t-Butyl Alcohol	50	54.14			108		70-130		
n-Butylbenzene	5.00	5.14			103		70-130		
sec-Butylbenzene	5.00	5.19			104		70-130		
tert-Butylbenzene	5.00	5.14			103		70-130		
Carbon Disulfide	5.00	5.19			104		70-130		
Carbon Tetrachloride	5.00	5.39			108		70-130		
Chloroacetonitrile	250	235.87			94		70-130		
Chlorobenzene	5.00	5.16			103		70-130		
1-Chlorobutane	5.00	4.75			95		70-130		
Chloroethane	2.00	1.88			94		70-130		
Chloroform	5.00	5.36			107		70-130		
Chloromethane	2.00	1.87			93		70-130		
2-Chlorotoluene	5.00	5.13			103		70-130		
4-Chlorotoluene	5.00	5.06			101		70-130		
1,2-Dibromo-3-chloropropane	5.00	4.92			98		70-130		
Dibromochloromethane	5.00	5.24			105		70-130		
1,2-Dibromoethane	5.00	4.92			98		70-130		
Dibromomethane	5.00	5.08			102		70-130		
trans-1,4-Dichloro-2-butene	25	25.54			102		70-130		
1,2-Dichlorobenzene	5.00	4.85			97		70-130		
1,3-Dichlorobenzene	5.00	5.10			102		70-130		
1,4-Dichlorobenzene	5.00	5.20			104		70-130		
Dichlorodifluoromethane	2.00	1.52			76		70-130		
1,1-Dichloroethane	5.00	4.74			95		70-130		
1,2-Dichloroethane	5.00	5.26			105		70-130		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 04/09/2020 15:16

Group Number: 2091157

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1-Dichloroethene	5.00	4.81			96		70-130		
cis-1,2-Dichloroethene	5.00	5.41			108		70-130		
trans-1,2-Dichloroethene	5.00	5.04			101		70-130		
1,2-Dichloropropane	5.00	4.90			98		70-130		
1,3-Dichloropropane	5.00	4.83			97		70-130		
2,2-Dichloropropane	5.00	5.32			106		70-130		
1,1-Dichloropropanone	500	493.37			99		70-130		
1,1-Dichloropropene	5.00	5.05			101		70-130		
cis-1,3-Dichloropropene	5.00	4.84			97		70-130		
trans-1,3-Dichloropropene	5.00	4.97			99		70-130		
Ethyl Ether	5.00	4.68			94		70-130		
Ethyl Methacrylate	5.00	4.30			86		70-130		
Ethylbenzene	5.00	5.12			102		70-130		
Hexachlorobutadiene	5.00	5.34			107		70-130		
Hexachloroethane	5.00	5.37			107		70-130		
2-Hexanone	25	23.25			93		70-130		
Isopropylbenzene	5.00	5.06			101		70-130		
p-Isopropyltoluene	5.00	5.24			105		70-130		
Methacrylonitrile	37.5	37.17			99		70-130		
Methyl Acrylate	25	24.18			97		70-130		
Methyl Iodide	5.00	4.76			95		70-130		
Methyl Methacrylate	5.00	5.01			100		70-130		
Methyl Tertiary Butyl Ether	5.00	4.98			100		70-130		
4-Methyl-2-pentanone	25	23.3			93		70-130		
Methylene Chloride	5.00	5.02			100		70-130		
Naphthalene	5.00	4.33			87		70-130		
Nitrobenzene	250	223.02			89		70-130		
2-Nitropropane	500	432.12			86		70-130		
Pentachloroethane	5.00	4.95			99		70-130		
Propionitrile	100	97.13			97		70-130		
n-Propylbenzene	5.00	5.10			102		70-130		
Styrene	5.00	5.22			104		70-130		
1,1,1,2-Tetrachloroethane	5.00	5.08			102		70-130		
1,1,2,2-Tetrachloroethane	5.00	4.61			92		70-130		
Tetrachloroethene	5.00	5.15			103		70-130		
Tetrahydrofuran	45	43.54			97		70-130		
Toluene	5.00	5.04			101		70-130		
1,2,3-Trichlorobenzene	5.00	4.62			92		70-130		
1,2,4-Trichlorobenzene	5.00	4.91			98		70-130		
1,1,1-Trichloroethane	5.00	5.20			104		70-130		
1,1,2-Trichloroethane	5.00	4.98			100		70-130		
Trichloroethene	5.00	5.15			103		70-130		
Trichlorofluoromethane	2.00	2.12			106		70-130		
1,2,3-Trichloropropane	5.00	5.13			103		70-130		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 04/09/2020 15:16

Group Number: 2091157

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2,4-Trimethylbenzene	5.00	5.15			103		70-130		
1,3,5-Trimethylbenzene	5.00	5.16			103		70-130		
Vinyl Chloride	2.00	1.86			93		70-130		
m+p-Xylene	10	10.33			103		70-130		
o-Xylene	5.00	5.08			102		70-130		

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs by EPA 524.2
Batch number: K200691AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
1274710	85	94
1274711	83	95
1274712	84	96
1274713	84	96
Blank	87	93
LCS	101	95
Limits:	80-120	80-120

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Nicholle Griffith - nicholle.griffith@arcadis.com Jerome Oertling - jerome.oertling@arcadis.com

ExxonMobil Analysis Request/Chain of Custody

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Acct. # 42309 Group # 1209157 Sample # 12747010-13

Consultant Company: Arcadis			
Site Address: 259 Bayview Rd.	Site ID #: 14489		
Consultant PM: ~~Calista Campbell~~	P.O. #: 30007698		
Sampler: Andy Feild	XOM PM: Calista Campbell		
Bill to : ☐ XOM ☒ Consultant	Contract # A2604415		
State where samples were collected: MD	For Compliance: Yes ☐ No ☐		

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	Sediment	Tissue	Potable Water	Ground Water	Surface Water	NPDES	Other:	Total # of Containers	VOCs by EPA 524.2										Remarks
259 Bayview - Influent	3-5-20	0930	G						Pwl				3	3										
259 Bayview - Midflowent	3-5-20	0930	G						Pwl				3	3										
259 Bayview - Effluent	3-5-20	0930	G						PW				3	3										
Trip Blank	3-5-20	—											2	2										

Preservation and Filtration Codes

For Lab Use Only
SF #:
SCR #: 256461

Preservation Codes
H = HCl, T = Thiosulfate
N = HNO_3, B = NaOH
S = H_2SO_4, P = H_3PO_4
F = Field Filtered, O = Other

Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

RUSH (Please circle one): 5 day 4 day 72 hour 48 hour 24 hour

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	3-6-20	1332	[signature]	3-6-20	13:32
[signature]	3-6-20	18:35			
			[signature]	3/6/20	1921

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐
Type III (Reduced non-CLP/NJ Reduced) ☐
TX TRRP-13 ☐
NJ DKQP ☐
NYSDEC Category ☐ A ☐ B

OTHER _____

EDD Format(s) Needed: _____

Relinquished by Commercial Carrier:
UPS _____ FedEx _____ Other _____

Temperature upon receipt 1.3 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 278093

Group Number(s): 2091157

Client: Arcadis

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Date:	03/06/2020
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Melvin Sanchez

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Matrix	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	Water	DT131	1.3	DT	Wet	Y	Loose	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

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

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

Tests 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.

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

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is less than the LOQ
K2	Continuing Calibration Blank is above the QC limit and the sample result is less than the LOQ
K3	Initial Calibration Verification is above the QC limit and the sample result is less than the LOQ
K4	Continuing Calibration Verification is above the QC limit and the sample result is less than the LOQ
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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

Arcadis of New York, Inc.
110 West Fayette Street
Suite 300
Syracuse
New York 13202
Tel 315 671 9171
www.arcadis.com

Subject:
Potable Well Sampling Results
261 Old Bayview Road
North East, Maryland 21901

ENVIRONMENT

Date:
April 20, 2020

Contact:
Raymond Wagner

Phone:
315-671-9173

Email:
raymond.wagner@arcadis.com

Our ref:
30007698

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 16, 2020. 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 follow: 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 16, 2020 potable well sampling indicated the following:

- Influent: Dissolved-phase concentrations of Methyl Tertiary Butyl Ether (MTBE) were detected above the minimum laboratory detection limit. The dissolved-phase detection of MTBE was 14 micrograms per liter (µg/L) which is below the applicable MDE Generic Numeric Cleanup Standard for MTBE of 20 µg/L. Dissolved-phase concentrations of tert-Butyl Alcohol (TBA), 38 µg/L, were detected above the minimum laboratory detection limit. There are no MDE Generic Cleanup Standards for TBA.

- Midfluent: There were no detections above the minimum laboratory detection limit.
- Effluent: There were no detections above the minimum laboratory detection limit.

The next quarterly GAC POET system sampling event is scheduled for June 23, 2020. Arcadis will contact you in advance of the sampling date to confirm that access to the GAC POET system can be granted.

Thank you for your cooperation. If you have any questions regarding the sampling results or investigation in your area, please contact Mr. Raymond Wagner (Arcadis) at 315-671-9173, Ms. Susan Bull (MDE) at 410-537-3499, or Ms. Jewel Cox (E&PS) at 201-341-4687.

Sincerely,

Arcadis U.S., Inc.

Raymond Wagner
Certified Project Manager

Attachments:
Laboratory Analytical Report (261 Old Bayview Road) – March 27, 2020

Copies:
Ms. Jewel Cox – E&PS
Ms. Susan Bull – MDE
File – EM 14489

ATTACHMENT

Laboratory Analytical Report

ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ExxonMobil c/o Arcadis
5420 Wade Park Blvd
Suite 350
Raleigh NC 27607

Report Date: March 27, 2020 06:37

Project: 14489 - North East, MD

Account #: 42309
Group Number: 2093577
PO Number: 30007698
Release Number: CAMPBELL
State of Sample Origin: MD

Electronic Copy To	Arcadis	Attn: Francisco Corella
Electronic Copy To	ExxonMobil c/o Arcadis	Attn: Kim Abbott
Electronic Copy To	ARCADIS	Attn: Jerome Oertling

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

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Environmental

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
261 Bayview-Influent Grab Potable Water	03/16/2020 11:40	1287028
261 Bayview-Midfluent Grab Potable Water	03/16/2020 11:45	1287029
261 Bayview-Effluent Grab Potable Water	03/16/2020 11:50	1287030
Trip Blank Water	03/16/2020	1287031

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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Analysis Report

Sample Description: **261 Bayview-Influent Grab Potable Water**
EM# 14489
261 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1287028
ELLE Group #: 2093577
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/17/2020 16:41
Collection Date/Time: 03/16/2020 11:40

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Acetone	67-64-1	< 10	10	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	Allyl Chloride	107-05-1	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromobenzene	108-86-1	< 0.5	0.5	1
03648	Bromochloromethane	74-97-5	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	38	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Disulfide	75-15-0	< 2.0	2.0	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chloroacetonitrile	107-14-2	< 50	50	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	1-Chlorobutane	109-69-3	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	2-Chlorotoluene	95-49-8	< 0.5	0.5	1
03648	4-Chlorotoluene	106-43-4	< 0.5	0.5	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	< 1.0	1.0	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dibromoethane	106-93-4	< 0.5	0.5	1
03648	Dibromomethane	74-95-3	< 0.5	0.5	1
03648	trans-1,4-Dichloro-2-butene	110-57-6	< 5.0	5.0	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	Dichlorodifluoromethane	75-71-8	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	1,3-Dichloropropane	142-28-9	< 0.5	0.5	1
03648	2,2-Dichloropropane	594-20-7	< 0.5	0.5	1
03648	1,1-Dichloropropanone	513-88-2	< 50	50	1
03648	1,1-Dichloropropene	563-58-6	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl Ether	60-29-7	< 0.5	0.5	1
03648	Ethyl Methacrylate	97-63-2	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	Hexachlorobutadiene	87-68-3	< 0.5	0.5	1

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Analysis Report

Sample Description: **261 Bayview-Influent Grab Potable Water**
EM# 14489
261 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1287028
ELLE Group #: 2093577
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/17/2020 16:41
Collection Date/Time: 03/16/2020 11:40

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Hexachloroethane	67-72-1	< 0.5	0.5	1
03648	2-Hexanone	591-78-6	< 5.0	5.0	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methacrylonitrile	126-98-7	< 5.0	5.0	1
03648	Methyl Acrylate	96-33-3	< 5.0	5.0	1
03648	Methyl Iodide	74-88-4	< 0.5	0.5	1
03648	Methyl Methacrylate	80-62-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	14	0.5	1
03648	4-Methyl-2-pentanone	108-10-1	< 5.0	5.0	1
03648	Methylene Chloride	75-09-2	< 1.0	1.0	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	Nitrobenzene	98-95-3	< 50	50	1
03648	2-Nitropropane	79-46-9	< 53	53	1
03648	Pentachloroethane	76-01-7	< 0.5	0.5	1
03648	Propionitrile	107-12-0	< 10	10	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	Styrene	100-42-5	< 0.5	0.5	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Tetrahydrofuran	109-99-9	< 7.0	7.0	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,2,3-Trichlorobenzene	87-61-6	< 0.5	0.5	1
03648	1,2,4-Trichlorobenzene	120-82-1	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,3-Trichloropropane	96-18-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	m+p-Xylene	179601-23-1	< 0.5	0.5	1
03648	o-Xylene	95-47-6	< 0.5	0.5	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs by EPA 524.2	EPA 524.2	1	K200861AA	03/26/2020 12:39	Don V Viray	1

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Analysis Report

Sample Description: **261 Bayview-Midfluent Grab Potable Water**
EM# 14489
261 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1287029
ELLE Group #: 2093577
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/17/2020 16:41
Collection Date/Time: 03/16/2020 11:45

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Acetone	67-64-1	< 10	10	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	Allyl Chloride	107-05-1	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromobenzene	108-86-1	< 0.5	0.5	1
03648	Bromochloromethane	74-97-5	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Disulfide	75-15-0	< 2.0	2.0	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chloroacetonitrile	107-14-2	< 50	50	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	1-Chlorobutane	109-69-3	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	2-Chlorotoluene	95-49-8	< 0.5	0.5	1
03648	4-Chlorotoluene	106-43-4	< 0.5	0.5	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	< 1.0	1.0	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dibromoethane	106-93-4	< 0.5	0.5	1
03648	Dibromomethane	74-95-3	< 0.5	0.5	1
03648	trans-1,4-Dichloro-2-butene	110-57-6	< 5.0	5.0	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	Dichlorodifluoromethane	75-71-8	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	1,3-Dichloropropane	142-28-9	< 0.5	0.5	1
03648	2,2-Dichloropropane	594-20-7	< 0.5	0.5	1
03648	1,1-Dichloropropanone	513-88-2	< 50	50	1
03648	1,1-Dichloropropene	563-58-6	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl Ether	60-29-7	< 0.5	0.5	1
03648	Ethyl Methacrylate	97-63-2	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	Hexachlorobutadiene	87-68-3	< 0.5	0.5	1

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Analysis Report

Sample Description: **261 Bayview-Midfluent Grab Potable Water**
EM# 14489
261 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1287029
ELLE Group #: 2093577
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/17/2020 16:41
Collection Date/Time: 03/16/2020 11:45

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Hexachloroethane	67-72-1	< 0.5	0.5	1
03648	2-Hexanone	591-78-6	< 5.0	5.0	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methacrylonitrile	126-98-7	< 5.0	5.0	1
03648	Methyl Acrylate	96-33-3	< 5.0	5.0	1
03648	Methyl Iodide	74-88-4	< 0.5	0.5	1
03648	Methyl Methacrylate	80-62-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	< 0.5	0.5	1
03648	4-Methyl-2-pentanone	108-10-1	< 5.0	5.0	1
03648	Methylene Chloride	75-09-2	< 1.0	1.0	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	Nitrobenzene	98-95-3	< 50	50	1
03648	2-Nitropropane	79-46-9	< 53	53	1
03648	Pentachloroethane	76-01-7	< 0.5	0.5	1
03648	Propionitrile	107-12-0	< 10	10	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	Styrene	100-42-5	< 0.5	0.5	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Tetrahydrofuran	109-99-9	< 7.0	7.0	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,2,3-Trichlorobenzene	87-61-6	< 0.5	0.5	1
03648	1,2,4-Trichlorobenzene	120-82-1	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,3-Trichloropropane	96-18-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	m+p-Xylene	179601-23-1	< 0.5	0.5	1
03648	o-Xylene	95-47-6	< 0.5	0.5	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs by EPA 524.2	EPA 524.2	1	K200852AA	03/26/2020 04:52	Jason M Long	1

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Analysis Report

Sample Description: **261 Bayview-Effluent Grab Potable Water**
EM# 14489
261 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1287030
ELLE Group #: 2093577
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/17/2020 16:41
Collection Date/Time: 03/16/2020 11:50

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Acetone	67-64-1	< 10	10	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	Allyl Chloride	107-05-1	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromobenzene	108-86-1	< 0.5	0.5	1
03648	Bromochloromethane	74-97-5	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Disulfide	75-15-0	< 2.0	2.0	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chloroacetonitrile	107-14-2	< 50	50	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	1-Chlorobutane	109-69-3	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	2-Chlorotoluene	95-49-8	< 0.5	0.5	1
03648	4-Chlorotoluene	106-43-4	< 0.5	0.5	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	< 1.0	1.0	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dibromoethane	106-93-4	< 0.5	0.5	1
03648	Dibromomethane	74-95-3	< 0.5	0.5	1
03648	trans-1,4-Dichloro-2-butene	110-57-6	< 5.0	5.0	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	Dichlorodifluoromethane	75-71-8	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	1,3-Dichloropropane	142-28-9	< 0.5	0.5	1
03648	2,2-Dichloropropane	594-20-7	< 0.5	0.5	1
03648	1,1-Dichloropropanone	513-88-2	< 50	50	1
03648	1,1-Dichloropropene	563-58-6	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl Ether	60-29-7	< 0.5	0.5	1
03648	Ethyl Methacrylate	97-63-2	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	Hexachlorobutadiene	87-68-3	< 0.5	0.5	1

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Analysis Report

Sample Description: **261 Bayview-Effluent Grab Potable Water**
EM# 14489
261 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1287030
ELLE Group #: 2093577
Matrix: Potable Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/17/2020 16:41
Collection Date/Time: 03/16/2020 11:50

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Hexachloroethane	67-72-1	< 0.5	0.5	1
03648	2-Hexanone	591-78-6	< 5.0	5.0	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methacrylonitrile	126-98-7	< 5.0	5.0	1
03648	Methyl Acrylate	96-33-3	< 5.0	5.0	1
03648	Methyl Iodide	74-88-4	< 0.5	0.5	1
03648	Methyl Methacrylate	80-62-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	< 0.5	0.5	1
03648	4-Methyl-2-pentanone	108-10-1	< 5.0	5.0	1
03648	Methylene Chloride	75-09-2	< 1.0	1.0	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	Nitrobenzene	98-95-3	< 50	50	1
03648	2-Nitropropane	79-46-9	< 53	53	1
03648	Pentachloroethane	76-01-7	< 0.5	0.5	1
03648	Propionitrile	107-12-0	< 10	10	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	Styrene	100-42-5	< 0.5	0.5	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Tetrahydrofuran	109-99-9	< 7.0	7.0	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,2,3-Trichlorobenzene	87-61-6	< 0.5	0.5	1
03648	1,2,4-Trichlorobenzene	120-82-1	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,3-Trichloropropane	96-18-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	m+p-Xylene	179601-23-1	< 0.5	0.5	1
03648	o-Xylene	95-47-6	< 0.5	0.5	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs by EPA 524.2	EPA 524.2	1	K200852AA	03/26/2020 05:17	Jason M Long	1

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Analysis Report

Sample Description: **Trip Blank Water**
EM# 14489
261 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1287031
ELLE Group #: 2093577
Matrix: Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/17/2020 16:41
Collection Date/Time: 03/16/2020

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Acetone	67-64-1	< 10	10	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	Allyl Chloride	107-05-1	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromobenzene	108-86-1	< 0.5	0.5	1
03648	Bromochloromethane	74-97-5	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Disulfide	75-15-0	< 2.0	2.0	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chloroacetonitrile	107-14-2	< 50	50	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	1-Chlorobutane	109-69-3	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	2-Chlorotoluene	95-49-8	< 0.5	0.5	1
03648	4-Chlorotoluene	106-43-4	< 0.5	0.5	1
03648	1,2-Dibromo-3-chloropropane	96-12-8	< 1.0	1.0	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dibromoethane	106-93-4	< 0.5	0.5	1
03648	Dibromomethane	74-95-3	< 0.5	0.5	1
03648	trans-1,4-Dichloro-2-butene	110-57-6	< 5.0	5.0	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	Dichlorodifluoromethane	75-71-8	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	1,3-Dichloropropane	142-28-9	< 0.5	0.5	1
03648	2,2-Dichloropropane	594-20-7	< 0.5	0.5	1
03648	1,1-Dichloropropanone	513-88-2	< 50	50	1
03648	1,1-Dichloropropene	563-58-6	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl Ether	60-29-7	< 0.5	0.5	1
03648	Ethyl Methacrylate	97-63-2	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	Hexachlorobutadiene	87-68-3	< 0.5	0.5	1

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Analysis Report

Sample Description: **Trip Blank Water**
EM# 14489
261 Old Bayview Rd - North East, MD

ExxonMobil c/o Arcadis
ELLE Sample #: PW 1287031
ELLE Group #: 2093577
Matrix: Water

Project Name: **14489 - North East, MD**

Submittal Date/Time: 03/17/2020 16:41
Collection Date/Time: 03/16/2020

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**EPA 524.2**		**ug/l**	**ug/l**	
03648	Hexachloroethane	67-72-1	< 0.5	0.5	1
03648	2-Hexanone	591-78-6	< 5.0	5.0	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methacrylonitrile	126-98-7	< 5.0	5.0	1
03648	Methyl Acrylate	96-33-3	< 5.0	5.0	1
03648	Methyl Iodide	74-88-4	< 0.5	0.5	1
03648	Methyl Methacrylate	80-62-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	< 0.5	0.5	1
03648	4-Methyl-2-pentanone	108-10-1	< 5.0	5.0	1
03648	Methylene Chloride	75-09-2	< 1.0	1.0	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	Nitrobenzene	98-95-3	< 50	50	1
03648	2-Nitropropane	79-46-9	< 53	53	1
03648	Pentachloroethane	76-01-7	< 0.5	0.5	1
03648	Propionitrile	107-12-0	< 10	10	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	Styrene	100-42-5	< 0.5	0.5	1
03648	1,1,1,2-Tetrachloroethane	630-20-6	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Tetrahydrofuran	109-99-9	< 7.0	7.0	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,2,3-Trichlorobenzene	87-61-6	< 0.5	0.5	1
03648	1,2,4-Trichlorobenzene	120-82-1	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,3-Trichloropropane	96-18-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	m+p-Xylene	179601-23-1	< 0.5	0.5	1
03648	o-Xylene	95-47-6	< 0.5	0.5	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs by EPA 524.2	EPA 524.2	1	K200852AA	03/26/2020 04:02	Jason M Long	1

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 03/27/2020 06:37

Group Number: 2093577

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 was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: K200852AA	Sample number(s): 1287029-1287031	
Acetone	< 10	10
Acrylonitrile	< 10	10
Allyl Chloride	< 0.5	0.5
Benzene	< 0.5	0.5
Bromobenzene	< 0.5	0.5
Bromochloromethane	< 0.5	0.5
Bromodichloromethane	< 0.5	0.5
Bromoform	< 0.5	0.5
Bromomethane	< 0.5	0.5
2-Butanone	< 5.0	5.0
t-Butyl Alcohol	< 25	25
n-Butylbenzene	< 0.5	0.5
sec-Butylbenzene	< 0.5	0.5
tert-Butylbenzene	< 0.5	0.5
Carbon Disulfide	< 2.0	2.0
Carbon Tetrachloride	< 0.5	0.5
Chloroacetonitrile	< 50	50
Chlorobenzene	< 0.5	0.5
1-Chlorobutane	< 0.5	0.5
Chloroethane	< 0.5	0.5
Chloroform	< 0.5	0.5
Chloromethane	< 0.5	0.5
2-Chlorotoluene	< 0.5	0.5
4-Chlorotoluene	< 0.5	0.5
1,2-Dibromo-3-chloropropane	< 1.0	1.0
Dibromochloromethane	< 0.5	0.5
1,2-Dibromoethane	< 0.5	0.5
Dibromomethane	< 0.5	0.5
trans-1,4-Dichloro-2-butene	< 5.0	5.0
1,2-Dichlorobenzene	< 0.5	0.5
1,3-Dichlorobenzene	< 0.5	0.5
1,4-Dichlorobenzene	< 0.5	0.5
Dichlorodifluoromethane	< 0.5	0.5
1,1-Dichloroethane	< 0.5	0.5
1,2-Dichloroethane	< 0.5	0.5
1,1-Dichloroethene	< 0.5	0.5
cis-1,2-Dichloroethene	< 0.5	0.5
trans-1,2-Dichloroethene	< 0.5	0.5
1,2-Dichloropropane	< 0.5	0.5

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 03/27/2020 06:37

Group Number: 2093577

Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l
1,3-Dichloropropane	< 0.5	0.5
2,2-Dichloropropane	< 0.5	0.5
1,1-Dichloropropanone	< 50	50
1,1-Dichloropropene	< 0.5	0.5
cis-1,3-Dichloropropene	< 0.5	0.5
trans-1,3-Dichloropropene	< 0.5	0.5
Ethyl Ether	< 0.5	0.5
Ethyl Methacrylate	< 0.5	0.5
Ethylbenzene	< 0.5	0.5
Hexachlorobutadiene	< 0.5	0.5
Hexachloroethane	< 0.5	0.5
2-Hexanone	< 5.0	5.0
Isopropylbenzene	< 0.5	0.5
p-Isopropyltoluene	< 0.5	0.5
Methacrylonitrile	< 5.0	5.0
Methyl Acrylate	< 5.0	5.0
Methyl Iodide	< 0.5	0.5
Methyl Methacrylate	< 0.5	0.5
Methyl Tertiary Butyl Ether	< 0.5	0.5
4-Methyl-2-pentanone	< 5.0	5.0
Methylene Chloride	< 1.0	1.0
Naphthalene	< 0.5	0.5
Nitrobenzene	< 50	50
2-Nitropropane	< 53	53
Pentachloroethane	< 0.5	0.5
Propionitrile	< 10	10
n-Propylbenzene	< 0.5	0.5
Styrene	< 0.5	0.5
1,1,1,2-Tetrachloroethane	< 0.5	0.5
1,1,2,2-Tetrachloroethane	< 0.5	0.5
Tetrachloroethene	< 0.5	0.5
Tetrahydrofuran	< 7.0	7.0
Toluene	< 0.5	0.5
1,2,3-Trichlorobenzene	< 0.5	0.5
1,2,4-Trichlorobenzene	< 0.5	0.5
1,1,1-Trichloroethane	< 0.5	0.5
1,1,2-Trichloroethane	< 0.5	0.5
Trichloroethene	< 0.5	0.5
Trichlorofluoromethane	< 0.5	0.5
1,2,3-Trichloropropane	< 0.5	0.5
1,2,4-Trimethylbenzene	< 0.5	0.5
1,3,5-Trimethylbenzene	< 0.5	0.5
Vinyl Chloride	< 0.5	0.5
m+p-Xylene	< 0.5	0.5
o-Xylene	< 0.5	0.5

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 03/27/2020 06:37

Group Number: 2093577

Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l
Batch number: K200861AA	Sample number(s): 1287028	
Acetone	< 10	10
Acrylonitrile	< 10	10
Allyl Chloride	< 0.5	0.5
Benzene	< 0.5	0.5
Bromobenzene	< 0.5	0.5
Bromochloromethane	< 0.5	0.5
Bromodichloromethane	< 0.5	0.5
Bromoform	< 0.5	0.5
Bromomethane	< 0.5	0.5
2-Butanone	< 5.0	5.0
t-Butyl Alcohol	< 25	25
n-Butylbenzene	< 0.5	0.5
sec-Butylbenzene	< 0.5	0.5
tert-Butylbenzene	< 0.5	0.5
Carbon Disulfide	< 2.0	2.0
Carbon Tetrachloride	< 0.5	0.5
Chloroacetonitrile	< 50	50
Chlorobenzene	< 0.5	0.5
1-Chlorobutane	< 0.5	0.5
Chloroethane	< 0.5	0.5
Chloroform	< 0.5	0.5
Chloromethane	< 0.5	0.5
2-Chlorotoluene	< 0.5	0.5
4-Chlorotoluene	< 0.5	0.5
1,2-Dibromo-3-chloropropane	< 1.0	1.0
Dibromochloromethane	< 0.5	0.5
1,2-Dibromoethane	< 0.5	0.5
Dibromomethane	< 0.5	0.5
trans-1,4-Dichloro-2-butene	< 5.0	5.0
1,2-Dichlorobenzene	< 0.5	0.5
1,3-Dichlorobenzene	< 0.5	0.5
1,4-Dichlorobenzene	< 0.5	0.5
Dichlorodifluoromethane	< 0.5	0.5
1,1-Dichloroethane	< 0.5	0.5
1,2-Dichloroethane	< 0.5	0.5
1,1-Dichloroethene	< 0.5	0.5
cis-1,2-Dichloroethene	< 0.5	0.5
trans-1,2-Dichloroethene	< 0.5	0.5
1,2-Dichloropropane	< 0.5	0.5
1,3-Dichloropropane	< 0.5	0.5
2,2-Dichloropropane	< 0.5	0.5
1,1-Dichloropropanone	< 50	50
1,1-Dichloropropene	< 0.5	0.5

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 03/27/2020 06:37

Group Number: 2093577

Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l
cis-1,3-Dichloropropene	< 0.5	0.5
trans-1,3-Dichloropropene	< 0.5	0.5
Ethyl Ether	< 0.5	0.5
Ethyl Methacrylate	< 0.5	0.5
Ethylbenzene	< 0.5	0.5
Hexachlorobutadiene	< 0.5	0.5
Hexachloroethane	< 0.5	0.5
2-Hexanone	< 5.0	5.0
Isopropylbenzene	< 0.5	0.5
p-Isopropyltoluene	< 0.5	0.5
Methacrylonitrile	< 5.0	5.0
Methyl Acrylate	< 5.0	5.0
Methyl Iodide	< 0.5	0.5
Methyl Methacrylate	< 0.5	0.5
Methyl Tertiary Butyl Ether	< 0.5	0.5
4-Methyl-2-pentanone	< 5.0	5.0
Methylene Chloride	< 1.0	1.0
Naphthalene	< 0.5	0.5
Nitrobenzene	< 50	50
2-Nitropropane	< 53	53
Pentachloroethane	< 0.5	0.5
Propionitrile	< 10	10
n-Propylbenzene	< 0.5	0.5
Styrene	< 0.5	0.5
1,1,1,2-Tetrachloroethane	< 0.5	0.5
1,1,2,2-Tetrachloroethane	< 0.5	0.5
Tetrachloroethene	< 0.5	0.5
Tetrahydrofuran	< 7.0	7.0
Toluene	< 0.5	0.5
1,2,3-Trichlorobenzene	< 0.5	0.5
1,2,4-Trichlorobenzene	< 0.5	0.5
1,1,1-Trichloroethane	< 0.5	0.5
1,1,2-Trichloroethane	< 0.5	0.5
Trichloroethene	< 0.5	0.5
Trichlorofluoromethane	< 0.5	0.5
1,2,3-Trichloropropane	< 0.5	0.5
1,2,4-Trimethylbenzene	< 0.5	0.5
1,3,5-Trimethylbenzene	< 0.5	0.5
Vinyl Chloride	< 0.5	0.5
m+p-Xylene	< 0.5	0.5
o-Xylene	< 0.5	0.5

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 03/27/2020 06:37

Group Number: 2093577

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: K200852AA	Sample number(s): 1287029-1287031								
Acetone	37.5	40.32			108		70-130		
Acrylonitrile	112.5	102.66			91		70-130		
Allyl Chloride	5.00	4.14			83		70-130		
Benzene	5.00	4.69			94		70-130		
Bromobenzene	5.00	5.52			110		70-130		
Bromochloromethane	5.00	5.25			105		70-130		
Bromodichloromethane	5.00	5.28			106		70-130		
Bromoform	5.00	6.17			123		70-130		
Bromomethane	2.00	1.94			97		70-130		
2-Butanone	37.5	39.17			104		70-130		
t-Butyl Alcohol	50	67.96			136*		70-130		
n-Butylbenzene	5.00	5.04			101		70-130		
sec-Butylbenzene	5.00	5.40			108		70-130		
tert-Butylbenzene	5.00	5.29			106		70-130		
Carbon Disulfide	5.00	4.19			84		70-130		
Carbon Tetrachloride	5.00	5.27			105		70-130		
Chloroacetonitrile	250	273.65			109		70-130		
Chlorobenzene	5.00	5.27			105		70-130		
1-Chlorobutane	5.00	4.32			86		70-130		
Chloroethane	2.00	1.78			89		70-130		
Chloroform	5.00	5.27			105		70-130		
Chloromethane	2.00	1.65			82		70-130		
2-Chlorotoluene	5.00	5.24			105		70-130		
4-Chlorotoluene	5.00	5.35			107		70-130		
1,2-Dibromo-3-chloropropane	5.00	5.81			116		70-130		
Dibromochloromethane	5.00	5.89			118		70-130		
1,2-Dibromoethane	5.00	5.42			108		70-130		
Dibromomethane	5.00	5.36			107		70-130		
trans-1,4-Dichloro-2-butene	25	21.6			86		70-130		
1,2-Dichlorobenzene	5.00	5.33			107		70-130		
1,3-Dichlorobenzene	5.00	5.49			110		70-130		
1,4-Dichlorobenzene	5.00	5.63			113		70-130		
Dichlorodifluoromethane	2.00	1.62			81		70-130		
1,1-Dichloroethane	5.00	4.27			85		70-130		
1,2-Dichloroethane	5.00	5.04			101		70-130		
1,1-Dichloroethene	5.00	4.19			84		70-130		
cis-1,2-Dichloroethene	5.00	5.38			108		70-130		
trans-1,2-Dichloroethene	5.00	4.46			89		70-130		
1,2-Dichloropropane	5.00	4.78			96		70-130		
1,3-Dichloropropane	5.00	5.11			102		70-130		
2,2-Dichloropropane	5.00	5.07			101		70-130		
1,1-Dichloropropanone	500	587.15			117		70-130		
1,1-Dichloropropene	5.00	4.79			96		70-130		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 03/27/2020 06:37

Group Number: 2093577

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
cis-1,3-Dichloropropene	5.00	4.83			97		70-130		
trans-1,3-Dichloropropene	5.00	5.09			102		70-130		
Ethyl Ether	5.00	4.39			88		70-130		
Ethyl Methacrylate	5.00	4.76			95		70-130		
Ethylbenzene	5.00	5.09			102		70-130		
Hexachlorobutadiene	5.00	5.60			112		70-130		
Hexachloroethane	5.00	5.36			107		70-130		
2-Hexanone	25	26.48			106		70-130		
Isopropylbenzene	5.00	5.19			104		70-130		
p-Isopropyltoluene	5.00	5.29			106		70-130		
Methacrylonitrile	37.5	40.39			108		70-130		
Methyl Acrylate	25	26.58			106		70-130		
Methyl Iodide	5.00	4.52			90		70-130		
Methyl Methacrylate	5.00	5.47			109		70-130		
Methyl Tertiary Butyl Ether	5.00	4.83			97		70-130		
4-Methyl-2-pentanone	25	25.88			104		70-130		
Methylene Chloride	5.00	4.49			90		70-130		
Naphthalene	5.00	4.58			92		70-130		
Nitrobenzene	250	182.54			73		70-130		
2-Nitropropane	500	459.45			92		70-130		
Pentachloroethane	5.00	5.52			110		70-130		
Propionitrile	100	109.69			110		70-130		
n-Propylbenzene	5.00	5.29			106		70-130		
Styrene	5.00	5.35			107		70-130		
1,1,1,2-Tetrachloroethane	5.00	5.45			109		70-130		
1,1,2,2-Tetrachloroethane	5.00	5.12			102		70-130		
Tetrachloroethene	5.00	5.44			109		70-130		
Tetrahydrofuran	45	50.41			112		70-130		
Toluene	5.00	4.89			98		70-130		
1,2,3-Trichlorobenzene	5.00	4.97			99		70-130		
1,2,4-Trichlorobenzene	5.00	5.24			105		70-130		
1,1,1-Trichloroethane	5.00	4.94			99		70-130		
1,1,2-Trichloroethane	5.00	5.40			108		70-130		
Trichloroethene	5.00	4.92			98		70-130		
Trichlorofluoromethane	2.00	2.35			117		70-130		
1,2,3-Trichloropropane	5.00	5.63			113		70-130		
1,2,4-Trimethylbenzene	5.00	5.11			102		70-130		
1,3,5-Trimethylbenzene	5.00	5.14			103		70-130		
Vinyl Chloride	2.00	1.74			87		70-130		
m+p-Xylene	10	10.45			104		70-130		
o-Xylene	5.00	5.06			101		70-130		
Batch number: K200861AA	Sample number(s): 1287028								
Acetone	37.5	37.24			99		70-130		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 03/27/2020 06:37

Group Number: 2093577

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acrylonitrile	112.5	104.84			93		70-130		
Allyl Chloride	5.00	4.16			83		70-130		
Benzene	5.00	4.71			94		70-130		
Bromobenzene	5.00	5.57			111		70-130		
Bromochloromethane	5.00	5.32			106		70-130		
Bromodichloromethane	5.00	5.28			106		70-130		
Bromoform	5.00	6.28			126		70-130		
Bromomethane	2.00	1.95			98		70-130		
2-Butanone	37.5	38.02			101		70-130		
t-Butyl Alcohol	50	61.68			123		70-130		
n-Butylbenzene	5.00	4.94			99		70-130		
sec-Butylbenzene	5.00	5.20			104		70-130		
tert-Butylbenzene	5.00	5.33			107		70-130		
Carbon Disulfide	5.00	4.28			86		70-130		
Carbon Tetrachloride	5.00	5.28			106		70-130		
Chloroacetonitrile	250	269.42			108		70-130		
Chlorobenzene	5.00	5.21			104		70-130		
1-Chlorobutane	5.00	5.07			101		70-130		
Chloroethane	2.00	1.78			89		70-130		
Chloroform	5.00	5.40			108		70-130		
Chloromethane	2.00	1.67			83		70-130		
2-Chlorotoluene	5.00	5.30			106		70-130		
4-Chlorotoluene	5.00	5.25			105		70-130		
1,2-Dibromo-3-chloropropane	5.00	6.01			120		70-130		
Dibromochloromethane	5.00	5.84			117		70-130		
1,2-Dibromoethane	5.00	5.50			110		70-130		
Dibromomethane	5.00	5.41			108		70-130		
trans-1,4-Dichloro-2-butene	25	22.22			89		70-130		
1,2-Dichlorobenzene	5.00	5.34			107		70-130		
1,3-Dichlorobenzene	5.00	5.46			109		70-130		
1,4-Dichlorobenzene	5.00	5.58			112		70-130		
Dichlorodifluoromethane	2.00	1.66			83		70-130		
1,1-Dichloroethane	5.00	4.29			86		70-130		
1,2-Dichloroethane	5.00	5.08			102		70-130		
1,1-Dichloroethene	5.00	4.25			85		70-130		
cis-1,2-Dichloroethene	5.00	5.48			110		70-130		
trans-1,2-Dichloroethene	5.00	4.55			91		70-130		
1,2-Dichloropropane	5.00	4.81			96		70-130		
1,3-Dichloropropane	5.00	5.09			102		70-130		
2,2-Dichloropropane	5.00	4.72			94		70-130		
1,1-Dichloropropanone	500	591.34			118		70-130		
1,1-Dichloropropene	5.00	4.75			95		70-130		
cis-1,3-Dichloropropene	5.00	4.93			99		70-130		
trans-1,3-Dichloropropene	5.00	5.10			102		70-130		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 03/27/2020 06:37

Group Number: 2093577

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethyl Ether	5.00	4.48			90		70-130		
Ethyl Methacrylate	5.00	4.79			96		70-130		
Ethylbenzene	5.00	5.11			102		70-130		
Hexachlorobutadiene	5.00	5.33			107		70-130		
Hexachloroethane	5.00	5.43			109		70-130		
2-Hexanone	25	26.62			106		70-130		
Isopropylbenzene	5.00	5.16			103		70-130		
p-Isopropyltoluene	5.00	5.16			103		70-130		
Methacrylonitrile	37.5	39.92			106		70-130		
Methyl Acrylate	25	26.44			106		70-130		
Methyl Iodide	5.00	4.59			92		70-130		
Methyl Methacrylate	5.00	5.49			110		70-130		
Methyl Tertiary Butyl Ether	5.00	4.84			97		70-130		
4-Methyl-2-pentanone	25	25.91			104		70-130		
Methylene Chloride	5.00	4.61			92		70-130		
Naphthalene	5.00	4.62			92		70-130		
Nitrobenzene	250	213.3			85		70-130		
2-Nitropropane	500	450.91			90		70-130		
Pentachloroethane	5.00	5.42			108		70-130		
Propionitrile	100	108.18			108		70-130		
n-Propylbenzene	5.00	5.18			104		70-130		
Styrene	5.00	5.29			106		70-130		
1,1,1,2-Tetrachloroethane	5.00	5.43			109		70-130		
1,1,2,2-Tetrachloroethane	5.00	5.25			105		70-130		
Tetrachloroethene	5.00	5.32			106		70-130		
Tetrahydrofuran	45	49.13			109		70-130		
Toluene	5.00	4.82			96		70-130		
1,2,3-Trichlorobenzene	5.00	4.95			99		70-130		
1,2,4-Trichlorobenzene	5.00	5.21			104		70-130		
1,1,1-Trichloroethane	5.00	4.97			99		70-130		
1,1,2-Trichloroethane	5.00	5.33			107		70-130		
Trichloroethene	5.00	4.91			98		70-130		
Trichlorofluoromethane	2.00	2.36			118		70-130		
1,2,3-Trichloropropane	5.00	5.86			117		70-130		
1,2,4-Trimethylbenzene	5.00	5.11			102		70-130		
1,3,5-Trimethylbenzene	5.00	5.08			102		70-130		
Vinyl Chloride	2.00	1.73			86		70-130		
m+p-Xylene	10	10.31			103		70-130		
o-Xylene	5.00	5.06			101		70-130		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 03/27/2020 06:37

Group Number: 2093577

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs by EPA 524.2
Batch number: K200852AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
1287029	88	100
1287030	87	98
1287031	88	99
Blank	88	96
LCS	107	104
Limits:	80-120	80-120

Analysis Name: VOCs by EPA 524.2
Batch number: K200861AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
1287028	89	100
Blank	86	98
LCS	106	105
Limits:	80-120	80-120

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

ExxonMobil Analysis Request/Chain of Custody

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Acct. # 42309 Group # 2093577 Sample # 1287028-31

Consultant Company: Arcadis
Site Address: 261 Bayview | Site ID #: 14489
Consultant PM: Ray Wagner | P.O. #: 30007698.BB00.C
Sampler: Jordan Butkovsky | XOM PM: Calista Campbell
Bill to: ☐ XOM ☒ Consultant | Contract # A2604415
State where samples were collected: MD | For Compliance: Yes ☐ No ☐

Matrix: Soil ☐ Sediment ☐ Tissue ☐ | Water: Potable ☐ Ground ☒ Surface ☐ NPDES ☐ | Other:

Analyses Requested / Preservation and Filtration Codes: Full List VOCs + tox 8260 (H)

For Lab Use Only: SF #: ____ SCR #: ____

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; F = Field Filtered; O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Total # of Containers	Full List VOCs + tox 8260	Remarks
261 Bayview - Influent	3/16/20	1140	☒		3	3	
261 Bayview - Midfluent	3/16/20	1145	☒		3	3	
261 Bayview - Effluent	3/16/20	1150	☒		3	3	
Trip Blank					2	2	

Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

RUSH (Please circle one): 5 day 4 day 72 hour 48 hour 24 hour

Data Package Options (please check if required)
Type I (Validation/non-CLP) ☐
Type III (Reduced non-CLP/NJ Reduced) ☐
TX TRRP-13 ☐
NJ DKQP ☐
NYSDEC Category ☐ A ☐ B
OTHER _____

EDD Format(s) Needed: _____

Relinquished by:	Date	Time	Received by:	Date	Time
Jordan Butkovsky	3/17/20	1030	[illegible]	3/17/20	1014
[illegible]	3/17/20	16:31			
			[illegible]	3-17-20	1641

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Temperature upon receipt 0.4 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 279252

Group Number(s): 2093577

Client: Arcadis

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Date:	03/17/2020
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Cory Jeremiah

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Matrix	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	Water	DT42-01	0.4	DT	Wet	Y	Loose	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

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

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

Tests 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.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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. 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. 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.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is less than the LOQ
K2	Continuing Calibration Blank is above the QC limit and the sample result is less than the LOQ
K3	Initial Calibration Verification is above the QC limit and the sample result is less than the LOQ
K4	Continuing Calibration Verification is above the QC limit and the sample result is less than the LOQ
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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

Arcadis of New York, Inc.
110 West Fayette Street
Suite 300
SyracuseMiddletown
New York 13202
Tel 315 671 9171
www.arcadis.com

Subject:
Potable Well Sampling Results
259 Old Bayview Road
North East, Maryland 21901

ENVIRONMENT

Date:
July 24, 2020

Contact:
Raymond Wagner

Phone:
315-671-9173

Email:
raymond.wagner@arcadis.com

Our ref:
30007698

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 23, 2020. 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 follow: 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 23, 2020 potable well sampling indicated the following:

- Influent: There were no detections above the minimum laboratory detection limits.
- Midfluent: There were no detections above the minimum laboratory detection limits.
- Effluent: There were no detections above the minimum laboratory detection limits.

The next quarterly GAC POET system sampling event is scheduled for September 2020. Arcadis will contact you in advance of the sampling date to confirm that access to the GAC POET system can be granted.

Thank you for your cooperation. If you have any questions regarding the sampling results or investigation in your area, please contact Mr. Raymond Wagner (Arcadis) at 315-671-9173, Ms. Susan Bull (MDE) at 410-537-3499, or Ms. Jewel Cox (E&PS) at 201-341-4687.

Sincerely,

Arcadis U.S., Inc.

Raymond Wagner
Certified Project Manager

Attachments:
Laboratory Analytical Report (259 Old Bayview Road) – July 15, 2020

Copies:
Ms. Jewel Cox – E&PS
Ms. Susan Bull – MDE
File – EM 14489

Attachment

Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 410-5571-1
Client Project/Site: 14489 - North East, MD

For:
ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, New York 13202

Attn: Mr. Raymond Wagner

Authorized for release by:
7/15/2020 12:09:09 PM

Megan Moeller, Client Services Group Leader
(717)556-7261
meganmoeller@eurofinsus.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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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 data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. 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 Group Leader
7/15/2020 12:09:09 PM

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 410-5571-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-5571-1

Comments
No additional comments.

Receipt
The samples were received on 6/24/2020 4:15 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.4º C.

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

Detection Summary

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

Job ID: 410-5571-1

Client Sample ID: Influent (200623) — Lab Sample ID: 410-5571-1

No Detections.

Client Sample ID: Midfluent (200623) — Lab Sample ID: 410-5571-2

No Detections.

Client Sample ID: Effluent (200623) — Lab Sample ID: 410-5571-3

No Detections.

Client Sample ID: Trip Blank (200623) — Lab Sample ID: 410-5571-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	110		10		ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 410-5571-1

Client Sample ID: Influent (200623)

Date Collected: 06/23/20 14:05
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5571-1

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			07/04/20 13:25	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 13:25	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 13:25	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 13:25	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 13:25	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 13:25	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 13:25	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 13:25	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 13:25	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 13:25	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 13:25	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 13:25	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 13:25	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 13:25	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 13:25	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 13:25	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 13:25	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 13:25	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 13:25	1
Acetone	<10		10		ug/L			07/04/20 13:25	1
Benzene	<0.50		0.50		ug/L			07/04/20 13:25	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 13:25	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 13:25	1
Bromoform	<0.50		0.50		ug/L			07/04/20 13:25	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 13:25	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 13:25	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 13:25	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 13:25	1
Chloroform	<0.50		0.50		ug/L			07/04/20 13:25	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 13:25	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 13:25	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 13:25	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 13:25	1
Dibromomethane	<0.50		0.50		ug/L			07/04/20 13:25	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/04/20 13:25	1
Ethylbenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/04/20 13:25	1
Isopropylbenzene	<0.50		0.50		ug/L			07/04/20 13:25	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/04/20 13:25	1
Methylene Chloride	<1.0		1.0		ug/L			07/04/20 13:25	1

Client Sample Results

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

Job ID: 410-5571-1

Client Sample ID: Influent (200623)

Date Collected: 06/23/20 14:05
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5571-1

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.50		0.50	ug/L			07/04/20 13:25	1
n-Butylbenzene	<0.50		0.50	ug/L			07/04/20 13:25	1
N-Propylbenzene	<0.50		0.50	ug/L			07/04/20 13:25	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/04/20 13:25	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/04/20 13:25	1
Styrene	<0.50		0.50	ug/L			07/04/20 13:25	1
Tetrachloroethene	<0.50		0.50	ug/L			07/04/20 13:25	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/04/20 13:25	1
Toluene	<0.50		0.50	ug/L			07/04/20 13:25	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/04/20 13:25	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/04/20 13:25	1
t-Butyl alcohol	<25		25	ug/L			07/04/20 13:25	1
Trichloroethene	<0.50		0.50	ug/L			07/04/20 13:25	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/04/20 13:25	1
Vinyl chloride	<0.50		0.50	ug/L			07/04/20 13:25	1
2-Nitropropane	<53		53	ug/L			07/04/20 13:25	1
Methyl acrylate	<5.0		5.0	ug/L			07/04/20 13:25	1
Hexachloroethane	<0.50		0.50	ug/L			07/04/20 13:25	1
Ethyl ether	<0.50		0.50	ug/L			07/04/20 13:25	1
Propionitrile	<10		10	ug/L			07/04/20 13:25	1
Chloroacetonitrile	<50		50	ug/L			07/04/20 13:25	1
Pentachloroethane	<0.50		0.50	ug/L			07/04/20 13:25	1
Tetrahydrofuran	<7.0		7.0	ug/L			07/04/20 13:25	1
Methyl methacrylate	<0.50		0.50	ug/L			07/04/20 13:25	1
o-Xylene	<0.50		0.50	ug/L			07/04/20 13:25	1
Nitrobenzene	<50		50	ug/L			07/04/20 13:25	1
Methyl iodide	<0.50		0.50	ug/L			07/04/20 13:25	1
Allyl chloride	<0.50		0.50	ug/L			07/04/20 13:25	1
Acrylonitrile	<10		10	ug/L			07/04/20 13:25	1
Ethyl methacrylate	<0.50		0.50	ug/L			07/04/20 13:25	1
trans-1,4-Dichloro-2-butene	<5.0		5.0	ug/L			07/04/20 13:25	1
Methacrylonitrile	<5.0		5.0	ug/L			07/04/20 13:25	1
1,1-Dichloropropanone	<50		50	ug/L			07/04/20 13:25	1
1-Chlorobutane	<0.50		0.50	ug/L			07/04/20 13:25	1
m&p-Xylene	<1.0		1.0	ug/L			07/04/20 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*103*		*80 - 120*		*07/04/20 13:25*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/04/20 13:25*	*1*

Client Sample Results

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

Job ID: 410-5571-1

Client Sample ID: Midfluent (200623)

Date Collected: 06/23/20 14:10
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5571-2

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			07/04/20 13:49	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 13:49	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 13:49	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 13:49	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 13:49	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 13:49	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 13:49	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 13:49	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 13:49	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 13:49	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 13:49	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 13:49	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 13:49	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 13:49	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 13:49	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 13:49	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 13:49	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 13:49	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 13:49	1
Acetone	<10		10		ug/L			07/04/20 13:49	1
Benzene	<0.50		0.50		ug/L			07/04/20 13:49	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 13:49	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 13:49	1
Bromoform	<0.50		0.50		ug/L			07/04/20 13:49	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 13:49	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 13:49	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 13:49	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 13:49	1
Chloroform	<0.50		0.50		ug/L			07/04/20 13:49	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 13:49	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 13:49	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 13:49	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 13:49	1
Dibromomethane	<0.50		0.50		ug/L			07/04/20 13:49	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/04/20 13:49	1
Ethylbenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/04/20 13:49	1
Isopropylbenzene	<0.50		0.50		ug/L			07/04/20 13:49	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/04/20 13:49	1
Methylene Chloride	<1.0		1.0		ug/L			07/04/20 13:49	1

Client Sample Results

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

Job ID: 410-5571-1

Client Sample ID: Midfluent (200623)

Date Collected: 06/23/20 14:10
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5571-2

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.50		0.50	ug/L			07/04/20 13:49	1
n-Butylbenzene	<0.50		0.50	ug/L			07/04/20 13:49	1
N-Propylbenzene	<0.50		0.50	ug/L			07/04/20 13:49	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/04/20 13:49	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/04/20 13:49	1
Styrene	<0.50		0.50	ug/L			07/04/20 13:49	1
Tetrachloroethene	<0.50		0.50	ug/L			07/04/20 13:49	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/04/20 13:49	1
Toluene	<0.50		0.50	ug/L			07/04/20 13:49	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/04/20 13:49	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/04/20 13:49	1
t-Butyl alcohol	<25		25	ug/L			07/04/20 13:49	1
Trichloroethene	<0.50		0.50	ug/L			07/04/20 13:49	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/04/20 13:49	1
Vinyl chloride	<0.50		0.50	ug/L			07/04/20 13:49	1
2-Nitropropane	<53		53	ug/L			07/04/20 13:49	1
Methyl acrylate	<5.0		5.0	ug/L			07/04/20 13:49	1
Hexachloroethane	<0.50		0.50	ug/L			07/04/20 13:49	1
Ethyl ether	<0.50		0.50	ug/L			07/04/20 13:49	1
Propionitrile	<10		10	ug/L			07/04/20 13:49	1
Chloroacetonitrile	<50		50	ug/L			07/04/20 13:49	1
Pentachloroethane	<0.50		0.50	ug/L			07/04/20 13:49	1
Tetrahydrofuran	<7.0		7.0	ug/L			07/04/20 13:49	1
Methyl methacrylate	<0.50		0.50	ug/L			07/04/20 13:49	1
o-Xylene	<0.50		0.50	ug/L			07/04/20 13:49	1
Nitrobenzene	<50		50	ug/L			07/04/20 13:49	1
Methyl iodide	<0.50		0.50	ug/L			07/04/20 13:49	1
Allyl chloride	<0.50		0.50	ug/L			07/04/20 13:49	1
Acrylonitrile	<10		10	ug/L			07/04/20 13:49	1
Ethyl methacrylate	<0.50		0.50	ug/L			07/04/20 13:49	1
trans-1,4-Dichloro-2-butene	<5.0		5.0	ug/L			07/04/20 13:49	1
Methacrylonitrile	<5.0		5.0	ug/L			07/04/20 13:49	1
1,1-Dichloropropanone	<50		50	ug/L			07/04/20 13:49	1
1-Chlorobutane	<0.50		0.50	ug/L			07/04/20 13:49	1
m&p-Xylene	<1.0		1.0	ug/L			07/04/20 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*80 - 120*		*07/04/20 13:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/04/20 13:49*	*1*

Client Sample Results

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

Job ID: 410-5571-1

Client Sample ID: Effluent (200623)

Date Collected: 06/23/20 14:15
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5571-3

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			07/04/20 14:14	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 14:14	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 14:14	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 14:14	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 14:14	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 14:14	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 14:14	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 14:14	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 14:14	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 14:14	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 14:14	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 14:14	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 14:14	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 14:14	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 14:14	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 14:14	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 14:14	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 14:14	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 14:14	1
Acetone	<10		10		ug/L			07/04/20 14:14	1
Benzene	<0.50		0.50		ug/L			07/04/20 14:14	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 14:14	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 14:14	1
Bromoform	<0.50		0.50		ug/L			07/04/20 14:14	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 14:14	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 14:14	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 14:14	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 14:14	1
Chloroform	<0.50		0.50		ug/L			07/04/20 14:14	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 14:14	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 14:14	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 14:14	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 14:14	1
Dibromomethane	<0.50		0.50		ug/L			07/04/20 14:14	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/04/20 14:14	1
Ethylbenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/04/20 14:14	1
Isopropylbenzene	<0.50		0.50		ug/L			07/04/20 14:14	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/04/20 14:14	1
Methylene Chloride	<1.0		1.0		ug/L			07/04/20 14:14	1

Client Sample ID: Effluent (200623)

Date Collected: 06/23/20 14:15
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5571-3

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.50		0.50	ug/L			07/04/20 14:14	1
n-Butylbenzene	<0.50		0.50	ug/L			07/04/20 14:14	1
N-Propylbenzene	<0.50		0.50	ug/L			07/04/20 14:14	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/04/20 14:14	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/04/20 14:14	1
Styrene	<0.50		0.50	ug/L			07/04/20 14:14	1
Tetrachloroethene	<0.50		0.50	ug/L			07/04/20 14:14	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/04/20 14:14	1
Toluene	<0.50		0.50	ug/L			07/04/20 14:14	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/04/20 14:14	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/04/20 14:14	1
t-Butyl alcohol	<25		25	ug/L			07/04/20 14:14	1
Trichloroethene	<0.50		0.50	ug/L			07/04/20 14:14	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/04/20 14:14	1
Vinyl chloride	<0.50		0.50	ug/L			07/04/20 14:14	1
2-Nitropropane	<53		53	ug/L			07/04/20 14:14	1
Methyl acrylate	<5.0		5.0	ug/L			07/04/20 14:14	1
Hexachloroethane	<0.50		0.50	ug/L			07/04/20 14:14	1
Ethyl ether	<0.50		0.50	ug/L			07/04/20 14:14	1
Propionitrile	<10		10	ug/L			07/04/20 14:14	1
Chloroacetonitrile	<50		50	ug/L			07/04/20 14:14	1
Pentachloroethane	<0.50		0.50	ug/L			07/04/20 14:14	1
Tetrahydrofuran	<7.0		7.0	ug/L			07/04/20 14:14	1
Methyl methacrylate	<0.50		0.50	ug/L			07/04/20 14:14	1
o-Xylene	<0.50		0.50	ug/L			07/04/20 14:14	1
Nitrobenzene	<50		50	ug/L			07/04/20 14:14	1
Methyl iodide	<0.50		0.50	ug/L			07/04/20 14:14	1
Allyl chloride	<0.50		0.50	ug/L			07/04/20 14:14	1
Acrylonitrile	<10		10	ug/L			07/04/20 14:14	1
Ethyl methacrylate	<0.50		0.50	ug/L			07/04/20 14:14	1
trans-1,4-Dichloro-2-butene	<5.0		5.0	ug/L			07/04/20 14:14	1
Methacrylonitrile	<5.0		5.0	ug/L			07/04/20 14:14	1
1,1-Dichloropropanone	<50		50	ug/L			07/04/20 14:14	1
1-Chlorobutane	<0.50		0.50	ug/L			07/04/20 14:14	1
m&p-Xylene	<1.0		1.0	ug/L			07/04/20 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*102*		*80 - 120*		*07/04/20 14:14*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*07/04/20 14:14*	*1*

Client Sample Results

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

Job ID: 410-5571-1

Client Sample ID: Trip Blank (200623)

Date Collected: 06/23/20 00:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5571-4

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			07/04/20 13:00	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 13:00	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 13:00	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 13:00	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 13:00	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 13:00	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 13:00	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 13:00	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 13:00	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 13:00	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 13:00	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 13:00	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 13:00	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 13:00	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 13:00	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 13:00	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 13:00	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 13:00	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 13:00	1
Acetone	**110**		10		ug/L			07/04/20 13:00	1
Benzene	<0.50		0.50		ug/L			07/04/20 13:00	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 13:00	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 13:00	1
Bromoform	<0.50		0.50		ug/L			07/04/20 13:00	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 13:00	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 13:00	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 13:00	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 13:00	1
Chloroform	<0.50		0.50		ug/L			07/04/20 13:00	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 13:00	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 13:00	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 13:00	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 13:00	1
Dibromomethane	<0.50		0.50		ug/L			07/04/20 13:00	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/04/20 13:00	1
Ethylbenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/04/20 13:00	1
Isopropylbenzene	<0.50		0.50		ug/L			07/04/20 13:00	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/04/20 13:00	1
Methylene Chloride	<1.0		1.0		ug/L			07/04/20 13:00	1

Client Sample Results

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

Job ID: 410-5571-1

Client Sample ID: Trip Blank (200623)

Date Collected: 06/23/20 00:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5571-4

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.50		0.50	ug/L			07/04/20 13:00	1
n-Butylbenzene	<0.50		0.50	ug/L			07/04/20 13:00	1
N-Propylbenzene	<0.50		0.50	ug/L			07/04/20 13:00	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/04/20 13:00	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/04/20 13:00	1
Styrene	<0.50		0.50	ug/L			07/04/20 13:00	1
Tetrachloroethene	<0.50		0.50	ug/L			07/04/20 13:00	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/04/20 13:00	1
Toluene	<0.50		0.50	ug/L			07/04/20 13:00	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/04/20 13:00	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/04/20 13:00	1
t-Butyl alcohol	<25		25	ug/L			07/04/20 13:00	1
Trichloroethene	<0.50		0.50	ug/L			07/04/20 13:00	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/04/20 13:00	1
Vinyl chloride	<0.50		0.50	ug/L			07/04/20 13:00	1
2-Nitropropane	<53		53	ug/L			07/04/20 13:00	1
Methyl acrylate	<5.0		5.0	ug/L			07/04/20 13:00	1
Hexachloroethane	<0.50		0.50	ug/L			07/04/20 13:00	1
Ethyl ether	<0.50		0.50	ug/L			07/04/20 13:00	1
Propionitrile	<10		10	ug/L			07/04/20 13:00	1
Chloroacetonitrile	<50		50	ug/L			07/04/20 13:00	1
Pentachloroethane	<0.50		0.50	ug/L			07/04/20 13:00	1
Tetrahydrofuran	<7.0		7.0	ug/L			07/04/20 13:00	1
Methyl methacrylate	<0.50		0.50	ug/L			07/04/20 13:00	1
o-Xylene	<0.50		0.50	ug/L			07/04/20 13:00	1
Nitrobenzene	<50		50	ug/L			07/04/20 13:00	1
Methyl iodide	<0.50		0.50	ug/L			07/04/20 13:00	1
Allyl chloride	<0.50		0.50	ug/L			07/04/20 13:00	1
Acrylonitrile	<10		10	ug/L			07/04/20 13:00	1
Ethyl methacrylate	<0.50		0.50	ug/L			07/04/20 13:00	1
trans-1,4-Dichloro-2-butene	<5.0		5.0	ug/L			07/04/20 13:00	1
Methacrylonitrile	<5.0		5.0	ug/L			07/04/20 13:00	1
1,1-Dichloropropanone	<50		50	ug/L			07/04/20 13:00	1
1-Chlorobutane	<0.50		0.50	ug/L			07/04/20 13:00	1
m&p-Xylene	<1.0		1.0	ug/L			07/04/20 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*102*		*80 - 120*		*07/04/20 13:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/04/20 13:00*	*1*

Surrogate Summary

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

Job ID: 410-5571-1

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)**
410-5571-1	Influent (200623)	103	99
410-5571-2	Midfluent (200623)	101	97
410-5571-3	Effluent (200623)	102	95
410-5571-4	Trip Blank (200623)	102	99
LCS 410-19315/4	Lab Control Sample	101	101
MB 410-19315/6	Method Blank	101	96

Surrogate Legend

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

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

Lab Sample ID: MB 410-19315/6
Matrix: Drinking Water
Analysis Batch: 19315

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 08:52	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 08:52	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 08:52	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 08:52	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 08:52	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 08:52	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 08:52	1
Acetone	<10		10		ug/L			07/04/20 08:52	1
Benzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromoform	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 08:52	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 08:52	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Chloroform	<0.50		0.50		ug/L			07/04/20 08:52	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 08:52	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Dibromomethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Ethylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/04/20 08:52	1
Isopropylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/04/20 08:52	1

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

Lab Sample ID: MB 410-19315/6
Matrix: Drinking Water
Analysis Batch: 19315

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<1.0		1.0		ug/L			07/04/20 08:52	1
Naphthalene	<0.50		0.50		ug/L			07/04/20 08:52	1
n-Butylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
N-Propylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/04/20 08:52	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Styrene	<0.50		0.50		ug/L			07/04/20 08:52	1
Tetrachloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Toluene	<0.50		0.50		ug/L			07/04/20 08:52	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 08:52	1
t-Butyl alcohol	<25		25		ug/L			07/04/20 08:52	1
Trichloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Vinyl chloride	<0.50		0.50		ug/L			07/04/20 08:52	1
2-Nitropropane	<53		53		ug/L			07/04/20 08:52	1
Methyl acrylate	<5.0		5.0		ug/L			07/04/20 08:52	1
Hexachloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Ethyl ether	<0.50		0.50		ug/L			07/04/20 08:52	1
Propionitrile	<10		10		ug/L			07/04/20 08:52	1
Chloroacetonitrile	<50		50		ug/L			07/04/20 08:52	1
Pentachloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Tetrahydrofuran	<7.0		7.0		ug/L			07/04/20 08:52	1
Methyl methacrylate	<0.50		0.50		ug/L			07/04/20 08:52	1
o-Xylene	<0.50		0.50		ug/L			07/04/20 08:52	1
Nitrobenzene	<50		50		ug/L			07/04/20 08:52	1
Methyl iodide	<0.50		0.50		ug/L			07/04/20 08:52	1
Allyl chloride	<0.50		0.50		ug/L			07/04/20 08:52	1
Acrylonitrile	<10		10		ug/L			07/04/20 08:52	1
Ethyl methacrylate	<0.50		0.50		ug/L			07/04/20 08:52	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			07/04/20 08:52	1
Methacrylonitrile	<5.0		5.0		ug/L			07/04/20 08:52	1
1,1-Dichloropropanone	<50		50		ug/L			07/04/20 08:52	1
1-Chlorobutane	<0.50		0.50		ug/L			07/04/20 08:52	1
m&p-Xylene	<1.0		1.0		ug/L			07/04/20 08:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*80 - 120*		*07/04/20 08:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*07/04/20 08:52*	*1*

Lab Sample ID: LCS 410-19315/4
Matrix: Drinking Water
Analysis Batch: 19315

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	5.56		ug/L		111	70 - 130
1,1,1-Trichloroethane	5.00	5.60		ug/L		112	70 - 130

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

Lab Sample ID: LCS 410-19315/4
Matrix: Drinking Water
Analysis Batch: 19315

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	5.66		ug/L		113	70 - 130
1,1,2-Trichloroethane	5.00	5.92		ug/L		118	70 - 130
1,1-Dichloroethane	5.00	5.44		ug/L		109	70 - 130
1,1-Dichloroethene	5.00	5.36		ug/L		107	70 - 130
1,1-Dichloropropene	5.00	5.64		ug/L		113	70 - 130
1,2,3-Trichlorobenzene	5.00	5.65		ug/L		113	70 - 130
1,2,3-Trichloropropane	5.00	5.77		ug/L		115	70 - 130
1,2,4-Trichlorobenzene	5.00	5.76		ug/L		115	70 - 130
1,2,4-Trimethylbenzene	5.00	5.57		ug/L		111	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	5.42		ug/L		108	70 - 130
1,2-Dibromoethane	5.00	5.82		ug/L		116	70 - 130
1,2-Dichlorobenzene	5.00	5.72		ug/L		114	70 - 130
1,2-Dichloroethane	5.00	6.21		ug/L		124	70 - 130
1,2-Dichloropropane	5.00	5.76		ug/L		115	70 - 130
1,3,5-Trimethylbenzene	5.00	5.62		ug/L		112	70 - 130
1,3-Dichlorobenzene	5.00	5.70		ug/L		114	70 - 130
1,3-Dichloropropane	5.00	5.70		ug/L		114	70 - 130
1,4-Dichlorobenzene	5.00	5.74		ug/L		115	70 - 130
2,2-Dichloropropane	5.00	5.41		ug/L		108	70 - 130
2-Butanone	37.5	39.4		ug/L		105	70 - 130
2-Chlorotoluene	5.00	5.60		ug/L		112	70 - 130
2-Hexanone	25.0	26.2		ug/L		105	70 - 130
4-Chlorotoluene	5.00	5.64		ug/L		113	70 - 130
4-Methyl-2-pentanone	25.0	26.4		ug/L		106	70 - 130
Acetone	37.5	38.1		ug/L		102	70 - 130
Benzene	5.00	5.50		ug/L		110	70 - 130
Bromobenzene	5.00	5.60		ug/L		112	70 - 130
Bromochloromethane	5.00	4.92		ug/L		98	70 - 130
Bromodichloromethane	5.00	5.78		ug/L		116	70 - 130
Bromoform	5.00	5.33		ug/L		107	70 - 130
Bromomethane	2.00	2.00		ug/L		100	70 - 130
Carbon disulfide	5.00	4.13		ug/L		83	70 - 130
Carbon tetrachloride	5.00	5.55		ug/L		111	70 - 130
Chlorobenzene	5.00	5.61		ug/L		112	70 - 130
Chloroethane	2.00	2.01		ug/L		100	70 - 130
Chloroform	5.00	5.81		ug/L		116	70 - 130
Chloromethane	2.00	1.94		ug/L		97	70 - 130
cis-1,2-Dichloroethene	5.00	5.82		ug/L		116	70 - 130
cis-1,3-Dichloropropene	5.00	5.60		ug/L		112	70 - 130
Dibromochloromethane	5.00	5.67		ug/L		113	70 - 130
Dibromomethane	5.00	5.81		ug/L		116	70 - 130
Dichlorodifluoromethane	2.00	1.78		ug/L		89	70 - 130
Ethylbenzene	5.00	5.54		ug/L		111	70 - 130
Hexachlorobutadiene	5.00	5.56		ug/L		111	70 - 130
Isopropylbenzene	5.00	5.54		ug/L		111	70 - 130
Methyl tertiary butyl ether	5.00	4.86		ug/L		97	70 - 130
Methylene Chloride	5.00	5.19		ug/L		104	70 - 130
Naphthalene	5.00	5.60		ug/L		112	70 - 130
n-Butylbenzene	5.00	5.75		ug/L		115	70 - 130

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

Lab Sample ID: LCS 410-19315/4
Matrix: Drinking Water
Analysis Batch: 19315

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	5.00	5.62		ug/L		112	70 - 130
p-Isopropyltoluene	5.00	5.66		ug/L		113	70 - 130
sec-Butylbenzene	5.00	5.68		ug/L		114	70 - 130
Styrene	5.00	5.62		ug/L		112	70 - 130
Tetrachloroethene	5.00	5.47		ug/L		109	70 - 130
tert-Butylbenzene	5.00	5.41		ug/L		108	70 - 130
Toluene	5.00	5.57		ug/L		111	70 - 130
trans-1,2-Dichloroethene	5.00	5.35		ug/L		107	70 - 130
trans-1,3-Dichloropropene	5.00	5.58		ug/L		112	70 - 130
t-Butyl alcohol	50.0	48.3		ug/L		97	70 - 130
Trichloroethene	5.00	5.42		ug/L		108	70 - 130
Trichlorofluoromethane	2.00	2.34		ug/L		117	70 - 130
Vinyl chloride	2.00	2.01		ug/L		101	70 - 130
2-Nitropropane	505	540		ug/L		107	70 - 130
Methyl acrylate	25.0	27.8		ug/L		111	70 - 130
Hexachloroethane	5.00	4.68		ug/L		94	70 - 130
Ethyl ether	5.00	5.67		ug/L		113	70 - 130
Propionitrile	100	103		ug/L		103	70 - 130
Chloroacetonitrile	250	241		ug/L		96	70 - 130
Pentachloroethane	5.00	4.92		ug/L		98	70 - 130
Tetrahydrofuran	46.9	45.3		ug/L		97	70 - 130
Methyl methacrylate	5.00	5.19		ug/L		104	70 - 130
o-Xylene	5.00	5.50		ug/L		110	70 - 130
Nitrobenzene	250	189		ug/L		76	70 - 130
Methyl iodide	5.00	4.46		ug/L		89	70 - 130
Allyl chloride	5.00	5.49		ug/L		110	70 - 130
Acrylonitrile	113	121		ug/L		108	70 - 130
Ethyl methacrylate	5.00	5.31		ug/L		106	70 - 130
trans-1,4-Dichloro-2-butene	25.0	26.0		ug/L		104	70 - 130
Methacrylonitrile	37.5	39.7		ug/L		106	70 - 130
1,1-Dichloropropanone	500	540		ug/L		108	70 - 130
1-Chlorobutane	5.00	5.70		ug/L		114	70 - 130
m&p-Xylene	10.0	11.3		ug/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

QC Association Summary

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

Job ID: 410-5571-1

GC/MS VOA

Analysis Batch: 19315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5571-1	Influent (200623)	Total/NA	Drinking Water	524.2	
410-5571-2	Midfluent (200623)	Total/NA	Drinking Water	524.2	
410-5571-3	Effluent (200623)	Total/NA	Drinking Water	524.2	
410-5571-4	Trip Blank (200623)	Total/NA	Drinking Water	524.2	
MB 410-19315/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-19315/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

Lab Chronicle

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

Job ID: 410-5571-1

Client Sample ID: Influent (200623)
Lab Sample ID: 410-5571-1
Date Collected: 06/23/20 14:05
Matrix: Drinking Water
Date Received: 06/24/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	19315	07/04/20 13:25	MJ8R	ELLE

Client Sample ID: Midfluent (200623)
Lab Sample ID: 410-5571-2
Date Collected: 06/23/20 14:10
Matrix: Drinking Water
Date Received: 06/24/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	19315	07/04/20 13:49	MJ8R	ELLE

Client Sample ID: Effluent (200623)
Lab Sample ID: 410-5571-3
Date Collected: 06/23/20 14:15
Matrix: Drinking Water
Date Received: 06/24/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	19315	07/04/20 14:14	MJ8R	ELLE

Client Sample ID: Trip Blank (200623)
Lab Sample ID: 410-5571-4
Date Collected: 06/23/20 00:00
Matrix: Drinking Water
Date Received: 06/24/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	19315	07/04/20 13:00	MJ8R	ELLE

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 410-5571-1

Laboratory: Eurofins Lancaster Laboratories Env, 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	09-30-20

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 Env, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	09-30-20
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: 410-5571-1

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 Env, 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: 410-5571-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-5571-1	Influent (200623)	Drinking Water	06/23/20 14:05	06/24/20 16:15	
410-5571-2	Midfluent (200623)	Drinking Water	06/23/20 14:10	06/24/20 16:15	
410-5571-3	Effluent (200623)	Drinking Water	06/23/20 14:15	06/24/20 16:15	
410-5571-4	Trip Blank (200623)	Drinking Water	06/23/20 00:00	06/24/20 16:15	

copy Nicholle Griffith = nicholle.griffith@arcadis.com & Ray Wagner = ray.wagner@arcadis.com

ExxonMo[illegible]est/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # ____

410-5571 Chain of Custody

Consultant Company: Arcadis

Site Address: 259 Old Bayview Rd | Site ID #: 14489

Consultant PM: Ray Wagner | P.O. #: 30007698

Sampler: Andy Feild | XOM PM:

Bill to: ☐ XOM ☒ Consultant | Contract # A2604415

State where samples were collected: ____ | For Compliance: Yes ☒ No ☐

For Lab Use Only: SF #: ____ SCR #: 260738

Preservation Codes: H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, P = H_3PO_4, F = Field Filtered, O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	Sediment	Tissue	Water: Potable	Water: Ground	Water: Surface	Water: NPDES	Other:	Total # of Containers	Full list VOCs	524.2	Remarks
Influent (200623)	6-23-20	1405	G					PW					3	3		
Midflvent (200623)	6-23-20	1410	G					PW					3	3		
Effluent (200623)	6-23-20	1415	G					PW					3	3		
Trip Blank													2	2		

Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

RUSH (Please circle one): 5 day 4 day 72 hour 48 hour 24 hour

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐

Type III (Reduced non-CLP/NJ Reduced) ☐

TX TRRP-13 ☐

NJ DKQP ☐

NYSDEC Category ☐ A ☐ B

OTHER ____

EDD Format(s) Needed: Locus Simplified

Relinquished by:	Date	Time	Received by:	Date	Time
			[signature]	6-24-20	13:30
[signature]	6-24-20	1558			
			W Mathus	6/24/20	1615

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.4 °C

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7053 1017

WM

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ExxonM[illegible]uest/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # ___ 410-5570 Chain of Custody ___ File # ___

Consultant Company: Arcadis			
Site Address: 261 Old Bayview Rd	Site ID #: 14489		
Consultant PM: Ray Wagner	P.O. #: 30007698		
Sampler: Andy Feild	XOM PM:		
Bill to: ☐ XOM ☒ Consultant	Contract # A2604415		
State where samples were collected: MD	For Compliance: Yes ☒ No ☐		

Matrix: Soil ☐ Sediment ☐ Tissue ☐ Water: Potable ☐ Ground ☒ Surface ☐ NPDES ☐ Other:

Analyses Requested / Preservation and Filtration Codes: Full list VOCs by 524.2 (H)

For Lab Use Only: SF #: ___ SCR #: 260740

Preservation Codes: H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, P = H_3PO_4, F = Field Filtered, O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix	Total # of Containers	Full list VOCs by 524.2	Remarks
Influent (200623)	6-23-20	1420	G		PW	3	3	
Midfluent (200623)	6-23-20	1425	G		PW	3	3	
Effluent (200623)	6-23-20	1430	G		PW	3	3	
Trip Blank	-	-				2	2	

Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

RUSH (Please circle one): 5 day 4 day 72 hour 48 hour 24 hour

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐
Type III (Reduced non-CLP/NJ Reduced) ☐
TX TRRP-13 ☐
NJ DKQP ☐
NYSDEC Category ☐ A ☐ B

OTHER ___

EDD Format(s) Needed: Locus Simplified

Relinquished by:	Date	Time	Received by:	Date	Time
			[signature]	6/24-20	13:30
[signature]	6/24/20	15:58			
			W Mathus	6/24/20	1615

Relinquished by Commercial Carrier: UPS ___ FedEx ___ Other ___

Temperature upon receipt 0.7 °C

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WM

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 410-5571-1

Login Number: 5571
List Number: 1
Creator: Mathers, William

List Source: Eurofins Lancaster Laboratories Env

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	

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

Arcadis of New York, Inc.
110 West Fayette Street
Suite 300
Syracuse
New York 13202
Tel 315 671 9171
www.arcadis.com

Subject:
Potable Well Sampling Results
261 Old Bayview Road
North East, Maryland 21901

ENVIRONMENT

Date:
July 24, 2020

Contact:
Raymond Wagner

Phone:
315-671-9173

Email:
raymond.wagner@arcadis.com

Our ref:
30007698

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 23, 2020. 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 follow: 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 23, 2020 potable well sampling indicated the following:

- Influent: Dissolved-phase concentrations of Methyl Tertiary Butyl Ether (MTBE) were detected above the minimum laboratory detection limit. The dissolved-phase detection of MTBE was 17 micrograms per liter (µg/L) which is below the applicable MDE Generic Numeric Cleanup Standard for MTBE of 20 µg/L. Dissolved-phase concentrations of tert-Butyl Alcohol (TBA), 39 µg/L, were detected above the minimum laboratory detection limit. There are no MDE Generic Cleanup Standards for TBA.

- Midfluent: There were no detections above the minimum laboratory detection limit.
- Effluent: There were no detections above the minimum laboratory detection limit.

The next quarterly GAC POET system sampling event is scheduled for September 2020. Arcadis will contact you in advance of the sampling date to confirm that access to the GAC POET system can be granted.

Thank you for your cooperation. If you have any questions regarding the sampling results or investigation in your area, please contact Mr. Raymond Wagner (Arcadis) at 315-671-9173, Ms. Susan Bull (MDE) at 410-537-3499, or Ms. Jewel Cox (E&PS) at 201-341-4687.

Sincerely,

Arcadis U.S., Inc.

Raymond Wagner
Certified Project Manager

Attachments:
Laboratory Analytical Report (261 Old Bayview Road) – July 15, 2020

Copies:
Ms. Jewel Cox – E&PS
Ms. Susan Bull – MDE
File – EM 14489

Attachment

Laboratory Analytical Report

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ANALYTICAL REPORT

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

Laboratory Job ID: 410-5570-1
Client Project/Site: 14489 - North East, MD

For:
ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, New York 13202

Attn: Mr. Raymond Wagner

Authorized for release by:
7/15/2020 12:05:32 PM

Megan Moeller, Client Services Group Leader
(717)556-7261
meganmoeller@eurofinsus.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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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 data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. 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 Group Leader
7/15/2020 12:05:32 PM

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 410-5570-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-5570-1

Receipt
The samples were received on 6/24/2020 4:15 PM; the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°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: 410-5570-1

Client Sample ID: Influent (200623) — Lab Sample ID: 410-5570-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	17		0.50		ug/L	1		524.2	Total/NA
t-Butyl alcohol	39		25		ug/L	1		524.2	Total/NA

Client Sample ID: Midfluent (200623) — Lab Sample ID: 410-5570-2

No Detections.

Client Sample ID: Effluent (200623) — Lab Sample ID: 410-5570-3

No Detections.

Client Sample ID: Trip Blank (200623) — Lab Sample ID: 410-5570-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	83		10		ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 410-5570-1

Client Sample ID: Influent (200623)

Date Collected: 06/23/20 14:20
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5570-1

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			07/04/20 11:46	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 11:46	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 11:46	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 11:46	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 11:46	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 11:46	1
1,1-Dichloropropanone	<50		50		ug/L			07/04/20 11:46	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 11:46	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:46	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 11:46	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:46	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 11:46	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 11:46	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 11:46	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:46	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 11:46	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 11:46	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 11:46	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:46	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 11:46	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:46	1
1-Chlorobutane	<0.50		0.50		ug/L			07/04/20 11:46	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 11:46	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 11:46	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 11:46	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 11:46	1
2-Nitropropane	<53		53		ug/L			07/04/20 11:46	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 11:46	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 11:46	1
Acetone	<10		10		ug/L			07/04/20 11:46	1
Acrylonitrile	<10		10		ug/L			07/04/20 11:46	1
Allyl chloride	<0.50		0.50		ug/L			07/04/20 11:46	1
Benzene	<0.50		0.50		ug/L			07/04/20 11:46	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 11:46	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 11:46	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 11:46	1
Bromoform	<0.50		0.50		ug/L			07/04/20 11:46	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 11:46	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 11:46	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 11:46	1
Chloroacetonitrile	<50		50		ug/L			07/04/20 11:46	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 11:46	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 11:46	1
Chloroform	<0.50		0.50		ug/L			07/04/20 11:46	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 11:46	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 11:46	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 11:46	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 11:46	1
Dibromomethane	<0.50		0.50		ug/L			07/04/20 11:46	1

Client Sample ID: Influent (200623)

Date Collected: 06/23/20 14:20
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5570-1

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			07/04/20 11:46	1
Ethyl ether	<0.50		0.50	ug/L			07/04/20 11:46	1
Ethyl methacrylate	<0.50		0.50	ug/L			07/04/20 11:46	1
Ethylbenzene	<0.50		0.50	ug/L			07/04/20 11:46	1
Hexachlorobutadiene	<0.50		0.50	ug/L			07/04/20 11:46	1
Hexachloroethane	<0.50		0.50	ug/L			07/04/20 11:46	1
Isopropylbenzene	<0.50		0.50	ug/L			07/04/20 11:46	1
m&p-Xylene	<1.0		1.0	ug/L			07/04/20 11:46	1
Methacrylonitrile	<5.0		5.0	ug/L			07/04/20 11:46	1
Methyl acrylate	<5.0		5.0	ug/L			07/04/20 11:46	1
Methyl iodide	<0.50		0.50	ug/L			07/04/20 11:46	1
Methyl methacrylate	<0.50		0.50	ug/L			07/04/20 11:46	1
Methyl tertiary butyl ether	**17**		0.50	ug/L			07/04/20 11:46	1
Methylene Chloride	<1.0		1.0	ug/L			07/04/20 11:46	1
Naphthalene	<0.50		0.50	ug/L			07/04/20 11:46	1
n-Butylbenzene	<0.50		0.50	ug/L			07/04/20 11:46	1
N-Propylbenzene	<0.50		0.50	ug/L			07/04/20 11:46	1
Nitrobenzene	<50		50	ug/L			07/04/20 11:46	1
o-Xylene	<0.50		0.50	ug/L			07/04/20 11:46	1
Pentachloroethane	<0.50		0.50	ug/L			07/04/20 11:46	1
Propionitrile	<10		10	ug/L			07/04/20 11:46	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/04/20 11:46	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/04/20 11:46	1
Styrene	<0.50		0.50	ug/L			07/04/20 11:46	1
Tetrachloroethene	<0.50		0.50	ug/L			07/04/20 11:46	1
Tetrahydrofuran	<7.0		7.0	ug/L			07/04/20 11:46	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/04/20 11:46	1
Toluene	<0.50		0.50	ug/L			07/04/20 11:46	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/04/20 11:46	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/04/20 11:46	1
trans-1,4-Dichloro-2-butene	<5.0		5.0	ug/L			07/04/20 11:46	1
t-Butyl alcohol	**39**		25	ug/L			07/04/20 11:46	1
Trichloroethene	<0.50		0.50	ug/L			07/04/20 11:46	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/04/20 11:46	1
Vinyl chloride	<0.50		0.50	ug/L			07/04/20 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*102*		*80 - 120*		*07/04/20 11:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*07/04/20 11:46*	*1*

Client Sample Results

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

Job ID: 410-5570-1

Client Sample ID: Midfluent (200623)

Date Collected: 06/23/20 14:25
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5570-2

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			07/04/20 12:11	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 12:11	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 12:11	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 12:11	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 12:11	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 12:11	1
1,1-Dichloropropanone	<50		50		ug/L			07/04/20 12:11	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 12:11	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:11	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 12:11	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:11	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 12:11	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 12:11	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 12:11	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:11	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 12:11	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 12:11	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 12:11	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:11	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 12:11	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:11	1
1-Chlorobutane	<0.50		0.50		ug/L			07/04/20 12:11	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 12:11	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 12:11	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 12:11	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 12:11	1
2-Nitropropane	<53		53		ug/L			07/04/20 12:11	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 12:11	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 12:11	1
Acetone	<10		10		ug/L			07/04/20 12:11	1
Acrylonitrile	<10		10		ug/L			07/04/20 12:11	1
Allyl chloride	<0.50		0.50		ug/L			07/04/20 12:11	1
Benzene	<0.50		0.50		ug/L			07/04/20 12:11	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 12:11	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 12:11	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 12:11	1
Bromoform	<0.50		0.50		ug/L			07/04/20 12:11	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 12:11	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 12:11	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 12:11	1
Chloroacetonitrile	<50		50		ug/L			07/04/20 12:11	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 12:11	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 12:11	1
Chloroform	<0.50		0.50		ug/L			07/04/20 12:11	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 12:11	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 12:11	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 12:11	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 12:11	1
Dibromomethane	<0.50		0.50		ug/L			07/04/20 12:11	1

Client Sample Results

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

Job ID: 410-5570-1

Client Sample ID: Midfluent (200623)

Date Collected: 06/23/20 14:25
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5570-2

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			07/04/20 12:11	1
Ethyl ether	<0.50		0.50	ug/L			07/04/20 12:11	1
Ethyl methacrylate	<0.50		0.50	ug/L			07/04/20 12:11	1
Ethylbenzene	<0.50		0.50	ug/L			07/04/20 12:11	1
Hexachlorobutadiene	<0.50		0.50	ug/L			07/04/20 12:11	1
Hexachloroethane	<0.50		0.50	ug/L			07/04/20 12:11	1
Isopropylbenzene	<0.50		0.50	ug/L			07/04/20 12:11	1
m&p-Xylene	<1.0		1.0	ug/L			07/04/20 12:11	1
Methacrylonitrile	<5.0		5.0	ug/L			07/04/20 12:11	1
Methyl acrylate	<5.0		5.0	ug/L			07/04/20 12:11	1
Methyl iodide	<0.50		0.50	ug/L			07/04/20 12:11	1
Methyl methacrylate	<0.50		0.50	ug/L			07/04/20 12:11	1
Methyl tertiary butyl ether	<0.50		0.50	ug/L			07/04/20 12:11	1
Methylene Chloride	<1.0		1.0	ug/L			07/04/20 12:11	1
Naphthalene	<0.50		0.50	ug/L			07/04/20 12:11	1
n-Butylbenzene	<0.50		0.50	ug/L			07/04/20 12:11	1
N-Propylbenzene	<0.50		0.50	ug/L			07/04/20 12:11	1
Nitrobenzene	<50		50	ug/L			07/04/20 12:11	1
o-Xylene	<0.50		0.50	ug/L			07/04/20 12:11	1
Pentachloroethane	<0.50		0.50	ug/L			07/04/20 12:11	1
Propionitrile	<10		10	ug/L			07/04/20 12:11	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/04/20 12:11	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/04/20 12:11	1
Styrene	<0.50		0.50	ug/L			07/04/20 12:11	1
Tetrachloroethene	<0.50		0.50	ug/L			07/04/20 12:11	1
Tetrahydrofuran	<7.0		7.0	ug/L			07/04/20 12:11	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/04/20 12:11	1
Toluene	<0.50		0.50	ug/L			07/04/20 12:11	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/04/20 12:11	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/04/20 12:11	1
trans-1,4-Dichloro-2-butene	<5.0		5.0	ug/L			07/04/20 12:11	1
t-Butyl alcohol	<25		25	ug/L			07/04/20 12:11	1
Trichloroethene	<0.50		0.50	ug/L			07/04/20 12:11	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/04/20 12:11	1
Vinyl chloride	<0.50		0.50	ug/L			07/04/20 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*80 - 120*		*07/04/20 12:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*07/04/20 12:11*	*1*

Client Sample Results

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

Job ID: 410-5570-1

Client Sample ID: Effluent (200623)

Date Collected: 06/23/20 14:30
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5570-3

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			07/04/20 12:35	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 12:35	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 12:35	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 12:35	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 12:35	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 12:35	1
1,1-Dichloropropanone	<50		50		ug/L			07/04/20 12:35	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 12:35	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 12:35	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 12:35	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 12:35	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 12:35	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 12:35	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 12:35	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
1-Chlorobutane	<0.50		0.50		ug/L			07/04/20 12:35	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 12:35	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 12:35	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 12:35	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 12:35	1
2-Nitropropane	<53		53		ug/L			07/04/20 12:35	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 12:35	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 12:35	1
Acetone	<10		10		ug/L			07/04/20 12:35	1
Acrylonitrile	<10		10		ug/L			07/04/20 12:35	1
Allyl chloride	<0.50		0.50		ug/L			07/04/20 12:35	1
Benzene	<0.50		0.50		ug/L			07/04/20 12:35	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 12:35	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 12:35	1
Bromoform	<0.50		0.50		ug/L			07/04/20 12:35	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 12:35	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 12:35	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 12:35	1
Chloroacetonitrile	<50		50		ug/L			07/04/20 12:35	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 12:35	1
Chloroform	<0.50		0.50		ug/L			07/04/20 12:35	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 12:35	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 12:35	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 12:35	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 12:35	1
Dibromomethane	<0.50		0.50		ug/L			07/04/20 12:35	1

Client Sample Results

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

Job ID: 410-5570-1

Client Sample ID: Effluent (200623)

Date Collected: 06/23/20 14:30
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5570-3

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			07/04/20 12:35	1
Ethyl ether	<0.50		0.50		ug/L			07/04/20 12:35	1
Ethyl methacrylate	<0.50		0.50		ug/L			07/04/20 12:35	1
Ethylbenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/04/20 12:35	1
Hexachloroethane	<0.50		0.50		ug/L			07/04/20 12:35	1
Isopropylbenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
m&p-Xylene	<1.0		1.0		ug/L			07/04/20 12:35	1
Methacrylonitrile	<5.0		5.0		ug/L			07/04/20 12:35	1
Methyl acrylate	<5.0		5.0		ug/L			07/04/20 12:35	1
Methyl iodide	<0.50		0.50		ug/L			07/04/20 12:35	1
Methyl methacrylate	<0.50		0.50		ug/L			07/04/20 12:35	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/04/20 12:35	1
Methylene Chloride	<1.0		1.0		ug/L			07/04/20 12:35	1
Naphthalene	<0.50		0.50		ug/L			07/04/20 12:35	1
n-Butylbenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
N-Propylbenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
Nitrobenzene	<50		50		ug/L			07/04/20 12:35	1
o-Xylene	<0.50		0.50		ug/L			07/04/20 12:35	1
Pentachloroethane	<0.50		0.50		ug/L			07/04/20 12:35	1
Propionitrile	<10		10		ug/L			07/04/20 12:35	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/04/20 12:35	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
Styrene	<0.50		0.50		ug/L			07/04/20 12:35	1
Tetrachloroethene	<0.50		0.50		ug/L			07/04/20 12:35	1
Tetrahydrofuran	<7.0		7.0		ug/L			07/04/20 12:35	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/04/20 12:35	1
Toluene	<0.50		0.50		ug/L			07/04/20 12:35	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 12:35	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 12:35	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			07/04/20 12:35	1
t-Butyl alcohol	<25		25		ug/L			07/04/20 12:35	1
Trichloroethene	<0.50		0.50		ug/L			07/04/20 12:35	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/04/20 12:35	1
Vinyl chloride	<0.50		0.50		ug/L			07/04/20 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*80 - 120*		*07/04/20 12:35*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/04/20 12:35*	*1*

Client Sample Results

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

Job ID: 410-5570-1

Client Sample ID: Trip Blank (200623)

Date Collected: 06/23/20 00:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5570-4

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			07/04/20 11:21	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 11:21	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 11:21	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 11:21	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 11:21	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 11:21	1
1,1-Dichloropropanone	<50		50		ug/L			07/04/20 11:21	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 11:21	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:21	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 11:21	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:21	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 11:21	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 11:21	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 11:21	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:21	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 11:21	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 11:21	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 11:21	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:21	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 11:21	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 11:21	1
1-Chlorobutane	<0.50		0.50		ug/L			07/04/20 11:21	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 11:21	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 11:21	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 11:21	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 11:21	1
2-Nitropropane	<53		53		ug/L			07/04/20 11:21	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 11:21	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 11:21	1
Acetone	**83**		10		ug/L			07/04/20 11:21	1
Acrylonitrile	<10		10		ug/L			07/04/20 11:21	1
Allyl chloride	<0.50		0.50		ug/L			07/04/20 11:21	1
Benzene	<0.50		0.50		ug/L			07/04/20 11:21	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 11:21	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 11:21	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 11:21	1
Bromoform	<0.50		0.50		ug/L			07/04/20 11:21	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 11:21	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 11:21	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 11:21	1
Chloroacetonitrile	<50		50		ug/L			07/04/20 11:21	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 11:21	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 11:21	1
Chloroform	<0.50		0.50		ug/L			07/04/20 11:21	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 11:21	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 11:21	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 11:21	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 11:21	1
Dibromomethane	<0.50		0.50		ug/L			07/04/20 11:21	1

Client Sample Results

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

Job ID: 410-5570-1

Client Sample ID: Trip Blank (200623)

Date Collected: 06/23/20 00:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5570-4

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			07/04/20 11:21	1
Ethyl ether	<0.50		0.50	ug/L			07/04/20 11:21	1
Ethyl methacrylate	<0.50		0.50	ug/L			07/04/20 11:21	1
Ethylbenzene	<0.50		0.50	ug/L			07/04/20 11:21	1
Hexachlorobutadiene	<0.50		0.50	ug/L			07/04/20 11:21	1
Hexachloroethane	<0.50		0.50	ug/L			07/04/20 11:21	1
Isopropylbenzene	<0.50		0.50	ug/L			07/04/20 11:21	1
m&p-Xylene	<1.0		1.0	ug/L			07/04/20 11:21	1
Methacrylonitrile	<5.0		5.0	ug/L			07/04/20 11:21	1
Methyl acrylate	<5.0		5.0	ug/L			07/04/20 11:21	1
Methyl iodide	<0.50		0.50	ug/L			07/04/20 11:21	1
Methyl methacrylate	<0.50		0.50	ug/L			07/04/20 11:21	1
Methyl tertiary butyl ether	<0.50		0.50	ug/L			07/04/20 11:21	1
Methylene Chloride	<1.0		1.0	ug/L			07/04/20 11:21	1
Naphthalene	<0.50		0.50	ug/L			07/04/20 11:21	1
n-Butylbenzene	<0.50		0.50	ug/L			07/04/20 11:21	1
N-Propylbenzene	<0.50		0.50	ug/L			07/04/20 11:21	1
Nitrobenzene	<50		50	ug/L			07/04/20 11:21	1
o-Xylene	<0.50		0.50	ug/L			07/04/20 11:21	1
Pentachloroethane	<0.50		0.50	ug/L			07/04/20 11:21	1
Propionitrile	<10		10	ug/L			07/04/20 11:21	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/04/20 11:21	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/04/20 11:21	1
Styrene	<0.50		0.50	ug/L			07/04/20 11:21	1
Tetrachloroethene	<0.50		0.50	ug/L			07/04/20 11:21	1
Tetrahydrofuran	<7.0		7.0	ug/L			07/04/20 11:21	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/04/20 11:21	1
Toluene	<0.50		0.50	ug/L			07/04/20 11:21	1
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			07/04/20 11:21	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/04/20 11:21	1
trans-1,4-Dichloro-2-butene	<5.0		5.0	ug/L			07/04/20 11:21	1
t-Butyl alcohol	<25		25	ug/L			07/04/20 11:21	1
Trichloroethene	<0.50		0.50	ug/L			07/04/20 11:21	1
Trichlorofluoromethane	<0.50		0.50	ug/L			07/04/20 11:21	1
Vinyl chloride	<0.50		0.50	ug/L			07/04/20 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*100*		*80 - 120*		*07/04/20 11:21*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/04/20 11:21*	*1*

Surrogate Summary

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

Job ID: 410-5570-1

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)**
410-5570-1	Influent (200623)	102	98
410-5570-2	Midfluent (200623)	101	98
410-5570-3	Effluent (200623)	101	97
410-5570-4	Trip Blank (200623)	100	97
LCS 410-19315/4	Lab Control Sample	101	101
MB 410-19315/6	Method Blank	101	96

Surrogate Legend

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

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

Lab Sample ID: MB 410-19315/6
Matrix: Drinking Water
Analysis Batch: 19315

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,1-Dichloropropanone	<50		50		ug/L			07/04/20 08:52	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/04/20 08:52	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/04/20 08:52	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
1-Chlorobutane	<0.50		0.50		ug/L			07/04/20 08:52	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/04/20 08:52	1
2-Butanone	<5.0		5.0		ug/L			07/04/20 08:52	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 08:52	1
2-Hexanone	<5.0		5.0		ug/L			07/04/20 08:52	1
2-Nitropropane	<53		53		ug/L			07/04/20 08:52	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/04/20 08:52	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/04/20 08:52	1
Acetone	<10		10		ug/L			07/04/20 08:52	1
Acrylonitrile	<10		10		ug/L			07/04/20 08:52	1
Allyl chloride	<0.50		0.50		ug/L			07/04/20 08:52	1
Benzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromochloromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromodichloromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromoform	<0.50		0.50		ug/L			07/04/20 08:52	1
Bromomethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Carbon disulfide	<2.0		2.0		ug/L			07/04/20 08:52	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/04/20 08:52	1
Chloroacetonitrile	<50		50		ug/L			07/04/20 08:52	1
Chlorobenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Chloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Chloroform	<0.50		0.50		ug/L			07/04/20 08:52	1
Chloromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 08:52	1
Dibromochloromethane	<0.50		0.50		ug/L			07/04/20 08:52	1

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

Lab Sample ID: MB 410-19315/6
Matrix: Drinking Water
Analysis Batch: 19315

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			07/04/20 08:52	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Ethyl ether	<0.50		0.50		ug/L			07/04/20 08:52	1
Ethyl methacrylate	<0.50		0.50		ug/L			07/04/20 08:52	1
Ethylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/04/20 08:52	1
Hexachloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Isopropylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
m&p-Xylene	<1.0		1.0		ug/L			07/04/20 08:52	1
Methacrylonitrile	<5.0		5.0		ug/L			07/04/20 08:52	1
Methyl acrylate	<5.0		5.0		ug/L			07/04/20 08:52	1
Methyl iodide	<0.50		0.50		ug/L			07/04/20 08:52	1
Methyl methacrylate	<0.50		0.50		ug/L			07/04/20 08:52	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/04/20 08:52	1
Methylene Chloride	<1.0		1.0		ug/L			07/04/20 08:52	1
Naphthalene	<0.50		0.50		ug/L			07/04/20 08:52	1
n-Butylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
N-Propylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Nitrobenzene	<50		50		ug/L			07/04/20 08:52	1
o-Xylene	<0.50		0.50		ug/L			07/04/20 08:52	1
Pentachloroethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Propionitrile	<10		10		ug/L			07/04/20 08:52	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/04/20 08:52	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Styrene	<0.50		0.50		ug/L			07/04/20 08:52	1
Tetrachloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
Tetrahydrofuran	<7.0		7.0		ug/L			07/04/20 08:52	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/04/20 08:52	1
Toluene	<0.50		0.50		ug/L			07/04/20 08:52	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/04/20 08:52	1
trans-1,4-Dichloro-2-butene	<5.0		5.0		ug/L			07/04/20 08:52	1
t-Butyl alcohol	<25		25		ug/L			07/04/20 08:52	1
Trichloroethene	<0.50		0.50		ug/L			07/04/20 08:52	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/04/20 08:52	1
Vinyl chloride	<0.50		0.50		ug/L			07/04/20 08:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*80 - 120*		*07/04/20 08:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*07/04/20 08:52*	*1*

Lab Sample ID: LCS 410-19315/4
Matrix: Drinking Water
Analysis Batch: 19315

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	5.56		ug/L		111	70 - 130
1,1,1-Trichloroethane	5.00	5.60		ug/L		112	70 - 130

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

Lab Sample ID: LCS 410-19315/4
Matrix: Drinking Water
Analysis Batch: 19315

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	5.66		ug/L		113	70 - 130
1,1,2-Trichloroethane	5.00	5.92		ug/L		118	70 - 130
1,1-Dichloroethane	5.00	5.44		ug/L		109	70 - 130
1,1-Dichloroethene	5.00	5.36		ug/L		107	70 - 130
1,1-Dichloropropanone	500	540		ug/L		108	70 - 130
1,1-Dichloropropene	5.00	5.64		ug/L		113	70 - 130
1,2,3-Trichlorobenzene	5.00	5.65		ug/L		113	70 - 130
1,2,3-Trichloropropane	5.00	5.77		ug/L		115	70 - 130
1,2,4-Trichlorobenzene	5.00	5.76		ug/L		115	70 - 130
1,2,4-Trimethylbenzene	5.00	5.57		ug/L		111	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	5.42		ug/L		108	70 - 130
1,2-Dibromoethane	5.00	5.82		ug/L		116	70 - 130
1,2-Dichlorobenzene	5.00	5.72		ug/L		114	70 - 130
1,2-Dichloroethane	5.00	6.21		ug/L		124	70 - 130
1,2-Dichloropropane	5.00	5.76		ug/L		115	70 - 130
1,3,5-Trimethylbenzene	5.00	5.62		ug/L		112	70 - 130
1,3-Dichlorobenzene	5.00	5.70		ug/L		114	70 - 130
1,3-Dichloropropane	5.00	5.70		ug/L		114	70 - 130
1,4-Dichlorobenzene	5.00	5.74		ug/L		115	70 - 130
1-Chlorobutane	5.00	5.70		ug/L		114	70 - 130
2,2-Dichloropropane	5.00	5.41		ug/L		108	70 - 130
2-Butanone	37.5	39.4		ug/L		105	70 - 130
2-Chlorotoluene	5.00	5.60		ug/L		112	70 - 130
2-Hexanone	25.0	26.2		ug/L		105	70 - 130
2-Nitropropane	505	540		ug/L		107	70 - 130
4-Chlorotoluene	5.00	5.64		ug/L		113	70 - 130
4-Methyl-2-pentanone	25.0	26.4		ug/L		106	70 - 130
Acetone	37.5	38.1		ug/L		102	70 - 130
Acrylonitrile	113	121		ug/L		108	70 - 130
Allyl chloride	5.00	5.49		ug/L		110	70 - 130
Benzene	5.00	5.50		ug/L		110	70 - 130
Bromobenzene	5.00	5.60		ug/L		112	70 - 130
Bromochloromethane	5.00	4.92		ug/L		98	70 - 130
Bromodichloromethane	5.00	5.78		ug/L		116	70 - 130
Bromoform	5.00	5.33		ug/L		107	70 - 130
Bromomethane	2.00	2.00		ug/L		100	70 - 130
Carbon disulfide	5.00	4.13		ug/L		83	70 - 130
Carbon tetrachloride	5.00	5.55		ug/L		111	70 - 130
Chloroacetonitrile	250	241		ug/L		96	70 - 130
Chlorobenzene	5.00	5.61		ug/L		112	70 - 130
Chloroethane	2.00	2.01		ug/L		100	70 - 130
Chloroform	5.00	5.81		ug/L		116	70 - 130
Chloromethane	2.00	1.94		ug/L		97	70 - 130
cis-1,2-Dichloroethene	5.00	5.82		ug/L		116	70 - 130
cis-1,3-Dichloropropene	5.00	5.60		ug/L		112	70 - 130
Dibromochloromethane	5.00	5.67		ug/L		113	70 - 130
Dibromomethane	5.00	5.81		ug/L		116	70 - 130
Dichlorodifluoromethane	2.00	1.78		ug/L		89	70 - 130
Ethyl ether	5.00	5.67		ug/L		113	70 - 130

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

Lab Sample ID: LCS 410-19315/4
Matrix: Drinking Water
Analysis Batch: 19315

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	5.31		ug/L		106	70 - 130
Ethylbenzene	5.00	5.54		ug/L		111	70 - 130
Hexachlorobutadiene	5.00	5.56		ug/L		111	70 - 130
Hexachloroethane	5.00	4.68		ug/L		94	70 - 130
Isopropylbenzene	5.00	5.54		ug/L		111	70 - 130
m&p-Xylene	10.0	11.3		ug/L		113	70 - 130
Methacrylonitrile	37.5	39.7		ug/L		106	70 - 130
Methyl acrylate	25.0	27.8		ug/L		111	70 - 130
Methyl iodide	5.00	4.46		ug/L		89	70 - 130
Methyl methacrylate	5.00	5.19		ug/L		104	70 - 130
Methyl tertiary butyl ether	5.00	4.86		ug/L		97	70 - 130
Methylene Chloride	5.00	5.19		ug/L		104	70 - 130
Naphthalene	5.00	5.60		ug/L		112	70 - 130
n-Butylbenzene	5.00	5.75		ug/L		115	70 - 130
N-Propylbenzene	5.00	5.62		ug/L		112	70 - 130
Nitrobenzene	250	189		ug/L		76	70 - 130
o-Xylene	5.00	5.50		ug/L		110	70 - 130
Pentachloroethane	5.00	4.92		ug/L		98	70 - 130
Propionitrile	100	103		ug/L		103	70 - 130
p-Isopropyltoluene	5.00	5.66		ug/L		113	70 - 130
sec-Butylbenzene	5.00	5.68		ug/L		114	70 - 130
Styrene	5.00	5.62		ug/L		112	70 - 130
Tetrachloroethene	5.00	5.47		ug/L		109	70 - 130
Tetrahydrofuran	46.9	45.3		ug/L		97	70 - 130
tert-Butylbenzene	5.00	5.41		ug/L		108	70 - 130
Toluene	5.00	5.57		ug/L		111	70 - 130
trans-1,2-Dichloroethene	5.00	5.35		ug/L		107	70 - 130
trans-1,3-Dichloropropene	5.00	5.58		ug/L		112	70 - 130
trans-1,4-Dichloro-2-butene	25.0	26.0		ug/L		104	70 - 130
t-Butyl alcohol	50.0	48.3		ug/L		97	70 - 130
Trichloroethene	5.00	5.42		ug/L		108	70 - 130
Trichlorofluoromethane	2.00	2.34		ug/L		117	70 - 130
Vinyl chloride	2.00	2.01		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

QC Association Summary

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

Job ID: 410-5570-1

GC/MS VOA

Analysis Batch: 19315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5570-1	Influent (200623)	Total/NA	Drinking Water	524.2	
410-5570-2	Midfluent (200623)	Total/NA	Drinking Water	524.2	
410-5570-3	Effluent (200623)	Total/NA	Drinking Water	524.2	
410-5570-4	Trip Blank (200623)	Total/NA	Drinking Water	524.2	
MB 410-19315/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-19315/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

Lab Chronicle

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

Job ID: 410-5570-1

Client Sample ID: Influent (200623)
Lab Sample ID: 410-5570-1
Date Collected: 06/23/20 14:20
Matrix: Drinking Water
Date Received: 06/24/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	19315	07/04/20 11:46	MJ8R	ELLE

Client Sample ID: Midfluent (200623)
Lab Sample ID: 410-5570-2
Date Collected: 06/23/20 14:25
Matrix: Drinking Water
Date Received: 06/24/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	19315	07/04/20 12:11	MJ8R	ELLE

Client Sample ID: Effluent (200623)
Lab Sample ID: 410-5570-3
Date Collected: 06/23/20 14:30
Matrix: Drinking Water
Date Received: 06/24/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	19315	07/04/20 12:35	MJ8R	ELLE

Client Sample ID: Trip Blank (200623)
Lab Sample ID: 410-5570-4
Date Collected: 06/23/20 00:00
Matrix: Drinking Water
Date Received: 06/24/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	19315	07/04/20 11:21	MJ8R	ELLE

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 410-5570-1

Laboratory: Eurofins Lancaster Laboratories Env, 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	09-30-20

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 Env, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	09-30-20
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: 410-5570-1

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 Env, 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: 410-5570-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-5570-1	Influent (200623)	Drinking Water	06/23/20 14:20	06/24/20 16:15	
410-5570-2	Midfluent (200623)	Drinking Water	06/23/20 14:25	06/24/20 16:15	
410-5570-3	Effluent (200623)	Drinking Water	06/23/20 14:30	06/24/20 16:15	
410-5570-4	Trip Blank (200623)	Drinking Water	06/23/20 00:00	06/24/20 16:15	

copy Nicholle Griffith = nicholle.griffith@arcadis.com + Ray Wagner = ray.wagner@arcadis.com

ExxonM[illegible]uest/Chain of Custody

eurofins | Lancaster Laboratories Environmental

410-5570 Chain of Custody

Acct. # ___ [illegible]le # ___

Consultant Company: Arcadis	
Site Address: 261 Old Bayview Rd	Site ID #: 14489
Consultant PM: Ray Wagner	P.O. #: 30002698
Sampler: Andy Feild	XOM PM:
Bill to : ☐ XOM ☒ Consultant	Contract # A2604415
State where samples were collected: MD	For Compliance: Yes ☒ No ☐

For Lab Use Only
SF #: ___
SCR #: 260740

Preservation Codes: H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, P = H_3PO_4, F = Field Filtered, O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Tissue	Potable Water	Ground Water	Surface	NPDES	Other:	Total # of Containers	Analyses Requested / Preservation and Filtration Codes: Full list VOCs by 524.2 (H)	Remarks
Influent (200623)	6-23-20	1420	G						PW				3	3	
Midfluent (200623)	6-23-20	1425	G						PW				3	3	
Effluent (200623)	6-23-20	1430	G						PW				3	3	
Trip Blank	-	-											2	2	

Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

RUSH (Please circle one): 5 day 4 day 72 hour 48 hour 24 hour

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐
Type III (Reduced non-CLP/NJ Reduced) ☐
TX TRRP-13 ☐
NJ DKQP ☐
NYSDEC Category ☐ A ☐ B

OTHER ___

EDD Format(s) Needed: Locus Simplified

Relinquished by:	Date	Time	Received by:	Date	Time
			[signature]	6/24/20	13:30
[signature]	6/24/20	15:58			
			W Mathus	6/24/20	1615

Relinquished by Commercial Carrier:
UPS ___ FedEx ___ Other ___

Temperature upon receipt 0.7 °C

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300
The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7053 1017

WM

7/15/2020

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 410-5570-1

Login Number: 5570
List Number: 1
Creator: Mathers, William

List Source: Eurofins Lancaster Laboratories Env

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	

APPENDIX C

Laboratory Analytical Report and Chain-of-Custody - July 22, 2020

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ANALYTICAL REPORT

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

Laboratory Job ID: 410-5572-1
Client Project/Site: 14489 - North East, MD

For:
ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, New York 13202

Attn: Mr. Raymond Wagner

Authorized for release by:
7/22/2020 3:28:49 PM

Megan Moeller, Client Services Group Leader
(717)556-7261
meganmoeller@eurofinsus.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

1
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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 data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. 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 Group Leader
7/22/2020 3:28:49 PM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
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.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time

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: 410-5572-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-5572-1

Receipt
The samples were received on 6/24/2020 4:15 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.7º C.

GC/MS VOA
Method 8260C LL: The continuing calibration verification (CCV) analyzed in batch 410-20265 was outside the method criteria for the following analyte(s): Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260C LL: Reanalysis and/or further dilution of the following samples were performed outside of the analytical holding time due to laboratory error on analytical batch 410-20265 : MW-5A (200623) (410-5572-4) and DUP-01 (200623) (410-5572-8).

Method 8260C LL: Reanalysis (further dilution) on 410-20257 of the following samples were performed outside of the analytical holding time: MW-1A (200623) (410-5572-1) and MW-2A (200623) (410-5572-2).

Method 8260C LL: Internal standard responses were outside of acceptance limits for the following sample on analytical batch 410-19483 : DUP-01 (200623) (410-5572-8). The sample was reanalyzed outside of the method specified holding time and the internal standard response was within specification. Results reported are from both analyses.

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

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

Detection Summary

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

Job ID: 410-5572-1

Client Sample ID: MW-1A (200623) — Lab Sample ID: 410-5572-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Toluene	310		10	ug/L	20		8260C LL	Total/NA
Benzene	23		10	ug/L	20		8260C LL	Total/NA
Isopropylbenzene	46		10	ug/L	20		8260C LL	Total/NA
Naphthalene	210		10	ug/L	20		8260C LL	Total/NA
N-Propylbenzene	110		10	ug/L	20		8260C LL	Total/NA
1,3,5-Trimethylbenzene	230		10	ug/L	20		8260C LL	Total/NA
Ethylbenzene - DL	590	H	100	ug/L	200		8260C LL	Total/NA
Xylenes, Total - DL	1800	H	200	ug/L	200		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	890	H	100	ug/L	200		8260C LL	Total/NA

Client Sample ID: MW-2A (200623) — Lab Sample ID: 410-5572-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	12		2.5	ug/L	5		8260C LL	Total/NA
Benzene	38		2.5	ug/L	5		8260C LL	Total/NA
Isopropylbenzene	51		2.5	ug/L	5		8260C LL	Total/NA
n-Butylbenzene	5.0		2.5	ug/L	5		8260C LL	Total/NA
sec-Butylbenzene	4.1		2.5	ug/L	5		8260C LL	Total/NA
N-Propylbenzene	100		2.5	ug/L	5		8260C LL	Total/NA
p-Isopropyltoluene	2.7		2.5	ug/L	5		8260C LL	Total/NA
1,3,5-Trimethylbenzene	83		2.5	ug/L	5		8260C LL	Total/NA
Toluene - DL	180		25	ug/L	50		8260C LL	Total/NA
Xylenes, Total - DL	1600		50	ug/L	50		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL	670		25	ug/L	50		8260C LL	Total/NA
Naphthalene - DL	360		25	ug/L	50		8260C LL	Total/NA
Ethylbenzene - DL2	1200	H	250	ug/L	500		8260C LL	Total/NA

Client Sample ID: MW-3A (200623) — Lab Sample ID: 410-5572-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.0		5.0	ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-5A (200623) — Lab Sample ID: 410-5572-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Toluene	15		2.5	ug/L	5		8260C LL	Total/NA
Benzene	4.5	F1	2.5	ug/L	5		8260C LL	Total/NA
Isopropylbenzene	82	F1	2.5	ug/L	5		8260C LL	Total/NA
n-Butylbenzene	36	F1	2.5	ug/L	5		8260C LL	Total/NA
p-Isopropyltoluene	12	F1	2.5	ug/L	5		8260C LL	Total/NA
Ethylbenzene - DL	490		25	ug/L	50		8260C LL	Total/NA
Xylenes, Total - DL	1200		50	ug/L	50		8260C LL	Total/NA
Naphthalene - DL	200		25	ug/L	50		8260C LL	Total/NA
N-Propylbenzene - DL	290		25	ug/L	50		8260C LL	Total/NA
1,3,5-Trimethylbenzene - DL	340		25	ug/L	50		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL2	1200	H	250	ug/L	500		8260C LL	Total/NA

Client Sample ID: MW-8 (200623) — Lab Sample ID: 410-5572-5

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

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 410-5572-1

Client Sample ID: MW-10 (200623) — Lab Sample ID: 410-5572-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	4.2		0.50		ug/L	1		8260C LL	Total/NA
1,2,4-Trimethylbenzene	0.52		0.50		ug/L	1		8260C LL	Total/NA

Client Sample ID: MW-11 (200623) — Lab Sample ID: 410-5572-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2.4		0.50		ug/L	1		8260C LL	Total/NA
Xylenes, Total	2.2		1.0		ug/L	1		8260C LL	Total/NA
Acetone	6.6		5.0		ug/L	1		8260C LL	Total/NA
1,2,4-Trimethylbenzene	3.1		0.50		ug/L	1		8260C LL	Total/NA
Naphthalene	0.84		0.50		ug/L	1		8260C LL	Total/NA
N-Propylbenzene	1.0		0.50		ug/L	1		8260C LL	Total/NA
1,3,5-Trimethylbenzene	0.59		0.50		ug/L	1		8260C LL	Total/NA

Client Sample ID: DUP-01 (200623) — Lab Sample ID: 410-5572-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Toluene	16		2.5		ug/L	5		8260C LL	Total/NA
Benzene	4.5		2.5		ug/L	5		8260C LL	Total/NA
Isopropylbenzene	83		2.5		ug/L	5		8260C LL	Total/NA
n-Butylbenzene	38		2.5		ug/L	5		8260C LL	Total/NA
sec-Butylbenzene	22		2.5		ug/L	5		8260C LL	Total/NA
p-Isopropyltoluene	13		2.5		ug/L	5		8260C LL	Total/NA
Ethylbenzene - DL	490		25		ug/L	50		8260C LL	Total/NA
Xylenes, Total - DL	1200		50		ug/L	50		8260C LL	Total/NA
Naphthalene - DL	190		25		ug/L	50		8260C LL	Total/NA
N-Propylbenzene - DL	290		25		ug/L	50		8260C LL	Total/NA
1,3,5-Trimethylbenzene - DL	330		25		ug/L	50		8260C LL	Total/NA
1,2,4-Trimethylbenzene - DL2	1500	H	250		ug/L	500		8260C LL	Total/NA

Client Sample ID: RB-01 (200623) — Lab Sample ID: 410-5572-9

No Detections.

Client Sample ID: Trip Blank (200623) — Lab Sample ID: 410-5572-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: MW-1A (200623)

Date Collected: 06/23/20 11:45
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-1

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<10		10		ug/L			07/06/20 17:10	20
cis-1,3-Dichloropropene	<10		10		ug/L			07/06/20 17:10	20
trans-1,3-Dichloropropene	<10		10		ug/L			07/06/20 17:10	20
1,4-Dichlorobenzene	<10		10		ug/L			07/06/20 17:10	20
1,2-Dibromoethane	<10		10		ug/L			07/06/20 17:10	20
1,2-Dichloroethane	<10		10		ug/L			07/06/20 17:10	20
4-Methyl-2-pentanone	<100		100		ug/L			07/06/20 17:10	20
Toluene	**310**		10		ug/L			07/06/20 17:10	20
Chlorobenzene	<10		10		ug/L			07/06/20 17:10	20
1,2,4-Trichlorobenzene	<10		10		ug/L			07/06/20 17:10	20
Dibromochloromethane	<10		10		ug/L			07/06/20 17:10	20
Tetrachloroethene	<10		10		ug/L			07/06/20 17:10	20
cis-1,2-Dichloroethene	<10		10		ug/L			07/06/20 17:10	20
trans-1,2-Dichloroethene	<10		10		ug/L			07/06/20 17:10	20
Methyl tertiary butyl ether	<10		10		ug/L			07/06/20 17:10	20
1,3-Dichlorobenzene	<10		10		ug/L			07/06/20 17:10	20
Carbon tetrachloride	<10		10		ug/L			07/06/20 17:10	20
2-Hexanone	<100		100		ug/L			07/06/20 17:10	20
Acetone	<100		100		ug/L			07/06/20 17:10	20
Chloroform	<10		10		ug/L			07/06/20 17:10	20
Benzene	**23**		10		ug/L			07/06/20 17:10	20
1,1,1-Trichloroethane	<10		10		ug/L			07/06/20 17:10	20
Bromomethane	<10		10		ug/L			07/06/20 17:10	20
Chloromethane	<10		10		ug/L			07/06/20 17:10	20
Bromochloromethane	<10		10		ug/L			07/06/20 17:10	20
Chloroethane	<10		10		ug/L			07/06/20 17:10	20
Vinyl chloride	<10		10		ug/L			07/06/20 17:10	20
Methylene Chloride	<10		10		ug/L			07/06/20 17:10	20
Carbon disulfide	<20		20		ug/L			07/06/20 17:10	20
Bromoform	<20		20		ug/L			07/06/20 17:10	20
Bromodichloromethane	<10		10		ug/L			07/06/20 17:10	20
1,1-Dichloroethane	<10		10		ug/L			07/06/20 17:10	20
1,1-Dichloroethene	<10		10		ug/L			07/06/20 17:10	20
Trichlorofluoromethane	<10		10		ug/L			07/06/20 17:10	20
Dichlorodifluoromethane	<10		10		ug/L			07/06/20 17:10	20
1,2-Dichloropropane	<10		10		ug/L			07/06/20 17:10	20
2-Butanone	<100		100		ug/L			07/06/20 17:10	20
1,1,2-Trichloroethane	<10		10		ug/L			07/06/20 17:10	20
Trichloroethene	<10		10		ug/L			07/06/20 17:10	20
1,1,2,2-Tetrachloroethane	<10		10		ug/L			07/06/20 17:10	20
1,2,3-Trichlorobenzene	<10		10		ug/L			07/06/20 17:10	20
1,2-Dichlorobenzene	<10		10		ug/L			07/06/20 17:10	20
1,2-Dibromo-3-Chloropropane	<10		10		ug/L			07/06/20 17:10	20
Isopropylbenzene	**46**		10		ug/L			07/06/20 17:10	20
t-Butyl alcohol	<200		200		ug/L			07/06/20 17:10	20
Hexachlorobutadiene	<10		10		ug/L			07/06/20 17:10	20
n-Butylbenzene	<10		10		ug/L			07/06/20 17:10	20
2-Chlorotoluene	<10		10		ug/L			07/06/20 17:10	20
Dibromomethane	<10		10		ug/L			07/06/20 17:10	20

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

Job ID: 410-5572-1

Client Sample ID: MW-1A (200623)

Date Collected: 06/23/20 11:45
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-1

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<10		10	ug/L			07/06/20 17:10	20
Naphthalene	**210**		10	ug/L			07/06/20 17:10	20
4-Chlorotoluene	<10		10	ug/L			07/06/20 17:10	20
Bromobenzene	<10		10	ug/L			07/06/20 17:10	20
1,1,1,2-Tetrachloroethane	<10		10	ug/L			07/06/20 17:10	20
sec-Butylbenzene	<10		10	ug/L			07/06/20 17:10	20
2,2-Dichloropropane	<10		10	ug/L			07/06/20 17:10	20
N-Propylbenzene	**110**		10	ug/L			07/06/20 17:10	20
Ethyl t-butyl ether	<10		10	ug/L			07/06/20 17:10	20
di-Isopropyl ether	<10		10	ug/L			07/06/20 17:10	20
p-Isopropyltoluene	<10		10	ug/L			07/06/20 17:10	20
t-Amyl methyl ether	<10		10	ug/L			07/06/20 17:10	20
1,2,3-Trichloropropane	<20		20	ug/L			07/06/20 17:10	20
1,3,5-Trimethylbenzene	**230**		10	ug/L			07/06/20 17:10	20
tert-Butylbenzene	<10		10	ug/L			07/06/20 17:10	20
1,3-Dichloropropane	<10		10	ug/L			07/06/20 17:10	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*07/06/20 17:10*	*20*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/06/20 17:10*	*20*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/06/20 17:10*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/06/20 17:10*	*20*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**590**	**H**	100	ug/L			07/08/20 18:56	200
Xylenes, Total	**1800**	**H**	200	ug/L			07/08/20 18:56	200
1,2,4-Trimethylbenzene	**890**	**H**	100	ug/L			07/08/20 18:56	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*07/08/20 18:56*	*200*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*07/08/20 18:56*	*200*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*07/08/20 18:56*	*200*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/08/20 18:56*	*200*

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: MW-2A (200623)

Date Collected: 06/23/20 11:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-2

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<2.5		2.5	ug/L			07/06/20 17:31	5
cis-1,3-Dichloropropene	<2.5		2.5	ug/L			07/06/20 17:31	5
trans-1,3-Dichloropropene	<2.5		2.5	ug/L			07/06/20 17:31	5
1,4-Dichlorobenzene	<2.5		2.5	ug/L			07/06/20 17:31	5
1,2-Dibromoethane	<2.5		2.5	ug/L			07/06/20 17:31	5
1,2-Dichloroethane	<2.5		2.5	ug/L			07/06/20 17:31	5
4-Methyl-2-pentanone	<25		25	ug/L			07/06/20 17:31	5
Chlorobenzene	<2.5		2.5	ug/L			07/06/20 17:31	5
1,2,4-Trichlorobenzene	<2.5		2.5	ug/L			07/06/20 17:31	5
Dibromochloromethane	<2.5		2.5	ug/L			07/06/20 17:31	5
Tetrachloroethene	<2.5		2.5	ug/L			07/06/20 17:31	5
cis-1,2-Dichloroethene	<2.5		2.5	ug/L			07/06/20 17:31	5
trans-1,2-Dichloroethene	<2.5		2.5	ug/L			07/06/20 17:31	5
Methyl tertiary butyl ether	**12**		2.5	ug/L			07/06/20 17:31	5
1,3-Dichlorobenzene	<2.5		2.5	ug/L			07/06/20 17:31	5
Carbon tetrachloride	<2.5		2.5	ug/L			07/06/20 17:31	5
2-Hexanone	<25		25	ug/L			07/06/20 17:31	5
Acetone	<25		25	ug/L			07/06/20 17:31	5
Chloroform	<2.5		2.5	ug/L			07/06/20 17:31	5
Benzene	**38**		2.5	ug/L			07/06/20 17:31	5
1,1,1-Trichloroethane	<2.5		2.5	ug/L			07/06/20 17:31	5
Bromomethane	<2.5		2.5	ug/L			07/06/20 17:31	5
Chloromethane	<2.5		2.5	ug/L			07/06/20 17:31	5
Bromochloromethane	<2.5		2.5	ug/L			07/06/20 17:31	5
Chloroethane	<2.5		2.5	ug/L			07/06/20 17:31	5
Vinyl chloride	<2.5		2.5	ug/L			07/06/20 17:31	5
Methylene Chloride	<2.5		2.5	ug/L			07/06/20 17:31	5
Carbon disulfide	<5.0		5.0	ug/L			07/06/20 17:31	5
Bromoform	<5.0		5.0	ug/L			07/06/20 17:31	5
Bromodichloromethane	<2.5		2.5	ug/L			07/06/20 17:31	5
1,1-Dichloroethane	<2.5		2.5	ug/L			07/06/20 17:31	5
1,1-Dichloroethene	<2.5		2.5	ug/L			07/06/20 17:31	5
Trichlorofluoromethane	<2.5		2.5	ug/L			07/06/20 17:31	5
Dichlorodifluoromethane	<2.5		2.5	ug/L			07/06/20 17:31	5
1,2-Dichloropropane	<2.5		2.5	ug/L			07/06/20 17:31	5
2-Butanone	<25		25	ug/L			07/06/20 17:31	5
1,1,2-Trichloroethane	<2.5		2.5	ug/L			07/06/20 17:31	5
Trichloroethene	<2.5		2.5	ug/L			07/06/20 17:31	5
1,1,2,2-Tetrachloroethane	<2.5		2.5	ug/L			07/06/20 17:31	5
1,2,3-Trichlorobenzene	<2.5		2.5	ug/L			07/06/20 17:31	5
1,2-Dichlorobenzene	<2.5		2.5	ug/L			07/06/20 17:31	5
1,2-Dibromo-3-Chloropropane	<2.5		2.5	ug/L			07/06/20 17:31	5
Isopropylbenzene	**51**		2.5	ug/L			07/06/20 17:31	5
t-Butyl alcohol	<50		50	ug/L			07/06/20 17:31	5
Hexachlorobutadiene	<2.5		2.5	ug/L			07/06/20 17:31	5
n-Butylbenzene	**5.0**		2.5	ug/L			07/06/20 17:31	5
2-Chlorotoluene	<2.5		2.5	ug/L			07/06/20 17:31	5
Dibromomethane	<2.5		2.5	ug/L			07/06/20 17:31	5
1,1-Dichloropropene	<2.5		2.5	ug/L			07/06/20 17:31	5

Client Sample ID: MW-2A (200623)

Date Collected: 06/23/20 11:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-2

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<2.5		2.5	ug/L			07/06/20 17:31	5
Bromobenzene	<2.5		2.5	ug/L			07/06/20 17:31	5
1,1,1,2-Tetrachloroethane	<2.5		2.5	ug/L			07/06/20 17:31	5
sec-Butylbenzene	**4.1**		2.5	ug/L			07/06/20 17:31	5
2,2-Dichloropropane	<2.5		2.5	ug/L			07/06/20 17:31	5
N-Propylbenzene	**100**		2.5	ug/L			07/06/20 17:31	5
Ethyl t-butyl ether	<2.5		2.5	ug/L			07/06/20 17:31	5
di-Isopropyl ether	<2.5		2.5	ug/L			07/06/20 17:31	5
p-Isopropyltoluene	**2.7**		2.5	ug/L			07/06/20 17:31	5
t-Amyl methyl ether	<2.5		2.5	ug/L			07/06/20 17:31	5
1,2,3-Trichloropropane	<5.0		5.0	ug/L			07/06/20 17:31	5
1,3,5-Trimethylbenzene	**83**		2.5	ug/L			07/06/20 17:31	5
tert-Butylbenzene	<2.5		2.5	ug/L			07/06/20 17:31	5
1,3-Dichloropropane	<2.5		2.5	ug/L			07/06/20 17:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*07/06/20 17:31*	*5*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/06/20 17:31*	*5*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/06/20 17:31*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/06/20 17:31*	*5*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**180**		25	ug/L			07/06/20 17:52	50
Xylenes, Total	**1600**		50	ug/L			07/06/20 17:52	50
1,2,4-Trimethylbenzene	**670**		25	ug/L			07/06/20 17:52	50
Naphthalene	**360**		25	ug/L			07/06/20 17:52	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*07/06/20 17:52*	*50*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/06/20 17:52*	*50*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/06/20 17:52*	*50*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/06/20 17:52*	*50*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**1200**	**H**	250	ug/L			07/08/20 19:18	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*07/08/20 19:18*	*500*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/08/20 19:18*	*500*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*07/08/20 19:18*	*500*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/08/20 19:18*	*500*

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: MW-3A (200623)

Date Collected: 06/23/20 10:20
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-3

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50		ug/L			07/06/20 13:17	1
Styrene	<0.50		0.50		ug/L			07/06/20 13:17	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 13:17	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 13:17	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:17	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/06/20 13:17	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/20 13:17	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/06/20 13:17	1
Toluene	<0.50		0.50		ug/L			07/06/20 13:17	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/20 13:17	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:17	1
Dibromochloromethane	<0.50		0.50		ug/L			07/06/20 13:17	1
Tetrachloroethene	<0.50		0.50		ug/L			07/06/20 13:17	1
Xylenes, Total	<1.0		1.0		ug/L			07/06/20 13:17	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 13:17	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 13:17	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/06/20 13:17	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:17	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/20 13:17	1
2-Hexanone	<5.0		5.0		ug/L			07/06/20 13:17	1
Acetone	**7.0**		5.0		ug/L			07/06/20 13:17	1
Chloroform	<0.50		0.50		ug/L			07/06/20 13:17	1
Benzene	<0.50		0.50		ug/L			07/06/20 13:17	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/20 13:17	1
Bromomethane	<0.50		0.50		ug/L			07/06/20 13:17	1
Chloromethane	<0.50		0.50		ug/L			07/06/20 13:17	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/20 13:17	1
Chloroethane	<0.50		0.50		ug/L			07/06/20 13:17	1
Vinyl chloride	<0.50		0.50		ug/L			07/06/20 13:17	1
Methylene Chloride	<0.50		0.50		ug/L			07/06/20 13:17	1
Carbon disulfide	<1.0		1.0		ug/L			07/06/20 13:17	1
Bromoform	<1.0		1.0		ug/L			07/06/20 13:17	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/20 13:17	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/20 13:17	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/06/20 13:17	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/06/20 13:17	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/20 13:17	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 13:17	1
2-Butanone	<5.0		5.0		ug/L			07/06/20 13:17	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/20 13:17	1
Trichloroethene	<0.50		0.50		ug/L			07/06/20 13:17	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 13:17	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:17	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:17	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			07/06/20 13:17	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/20 13:17	1
t-Butyl alcohol	<10		10		ug/L			07/06/20 13:17	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/20 13:17	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/20 13:17	1

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

Job ID: 410-5572-1

Client Sample ID: MW-3A (200623)

Date Collected: 06/23/20 10:20
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-3

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/06/20 13:17	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/06/20 13:17	1
Dibromomethane	<0.50		0.50	ug/L			07/06/20 13:17	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/06/20 13:17	1
Naphthalene	<0.50		0.50	ug/L			07/06/20 13:17	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/06/20 13:17	1
Bromobenzene	<0.50		0.50	ug/L			07/06/20 13:17	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/06/20 13:17	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/06/20 13:17	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/06/20 13:17	1
N-Propylbenzene	<0.50		0.50	ug/L			07/06/20 13:17	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/06/20 13:17	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/06/20 13:17	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/06/20 13:17	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/06/20 13:17	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/06/20 13:17	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/06/20 13:17	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/06/20 13:17	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/06/20 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*07/06/20 13:17*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/06/20 13:17*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/06/20 13:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/06/20 13:17*	*1*

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: MW-5A (200623)

Date Collected: 06/23/20 09:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-4

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<2.5	F1	2.5		ug/L			07/06/20 18:14	5
cis-1,3-Dichloropropene	<2.5		2.5		ug/L			07/06/20 18:14	5
trans-1,3-Dichloropropene	<2.5		2.5		ug/L			07/06/20 18:14	5
1,4-Dichlorobenzene	<2.5		2.5		ug/L			07/06/20 18:14	5
1,2-Dibromoethane	<2.5		2.5		ug/L			07/06/20 18:14	5
1,2-Dichloroethane	<2.5		2.5		ug/L			07/06/20 18:14	5
4-Methyl-2-pentanone	<25		25		ug/L			07/06/20 18:14	5
Toluene	**15**		2.5		ug/L			07/06/20 18:14	5
Chlorobenzene	<2.5		2.5		ug/L			07/06/20 18:14	5
1,2,4-Trichlorobenzene	<2.5		2.5		ug/L			07/06/20 18:14	5
Dibromochloromethane	<2.5		2.5		ug/L			07/06/20 18:14	5
Tetrachloroethene	<2.5		2.5		ug/L			07/06/20 18:14	5
cis-1,2-Dichloroethene	<2.5		2.5		ug/L			07/06/20 18:14	5
trans-1,2-Dichloroethene	<2.5		2.5		ug/L			07/06/20 18:14	5
Methyl tertiary butyl ether	<2.5		2.5		ug/L			07/06/20 18:14	5
1,3-Dichlorobenzene	<2.5		2.5		ug/L			07/06/20 18:14	5
Carbon tetrachloride	<2.5		2.5		ug/L			07/06/20 18:14	5
2-Hexanone	<25		25		ug/L			07/06/20 18:14	5
Acetone	<25	F1	25		ug/L			07/06/20 18:14	5
Chloroform	<2.5	F1	2.5		ug/L			07/06/20 18:14	5
Benzene	**4.5**	**F1**	2.5		ug/L			07/06/20 18:14	5
1,1,1-Trichloroethane	<2.5		2.5		ug/L			07/06/20 18:14	5
Bromomethane	<2.5		2.5		ug/L			07/06/20 18:14	5
Chloromethane	<2.5		2.5		ug/L			07/06/20 18:14	5
Bromochloromethane	<2.5		2.5		ug/L			07/06/20 18:14	5
Chloroethane	<2.5		2.5		ug/L			07/06/20 18:14	5
Vinyl chloride	<2.5		2.5		ug/L			07/06/20 18:14	5
Methylene Chloride	<2.5	F1	2.5		ug/L			07/06/20 18:14	5
Carbon disulfide	<5.0		5.0		ug/L			07/06/20 18:14	5
Bromoform	<5.0		5.0		ug/L			07/06/20 18:14	5
Bromodichloromethane	<2.5	F1	2.5		ug/L			07/06/20 18:14	5
1,1-Dichloroethane	<2.5	F1	2.5		ug/L			07/06/20 18:14	5
1,1-Dichloroethene	<2.5		2.5		ug/L			07/06/20 18:14	5
Trichlorofluoromethane	<2.5		2.5		ug/L			07/06/20 18:14	5
Dichlorodifluoromethane	<2.5		2.5		ug/L			07/06/20 18:14	5
1,2-Dichloropropane	<2.5	F1	2.5		ug/L			07/06/20 18:14	5
2-Butanone	<25		25		ug/L			07/06/20 18:14	5
1,1,2-Trichloroethane	<2.5	F1	2.5		ug/L			07/06/20 18:14	5
Trichloroethene	<2.5	F1	2.5		ug/L			07/06/20 18:14	5
1,1,2,2-Tetrachloroethane	<2.5	F1	2.5		ug/L			07/06/20 18:14	5
1,2,3-Trichlorobenzene	<2.5		2.5		ug/L			07/06/20 18:14	5
1,2-Dichlorobenzene	<2.5		2.5		ug/L			07/06/20 18:14	5
1,2-Dibromo-3-Chloropropane	<2.5		2.5		ug/L			07/06/20 18:14	5
Isopropylbenzene	**82**	**F1**	2.5		ug/L			07/06/20 18:14	5
t-Butyl alcohol	<50	F1	50		ug/L			07/06/20 18:14	5
Hexachlorobutadiene	<2.5		2.5		ug/L			07/06/20 18:14	5
n-Butylbenzene	**36**	**F1**	2.5		ug/L			07/06/20 18:14	5
2-Chlorotoluene	<2.5		2.5		ug/L			07/06/20 18:14	5
Dibromomethane	<2.5		2.5		ug/L			07/06/20 18:14	5

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

Job ID: 410-5572-1

Client Sample ID: MW-5A (200623)

Date Collected: 06/23/20 09:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-4

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<2.5	F1	2.5	ug/L			07/06/20 18:14	5
4-Chlorotoluene	<2.5		2.5	ug/L			07/06/20 18:14	5
Bromobenzene	<2.5		2.5	ug/L			07/06/20 18:14	5
1,1,1,2-Tetrachloroethane	<2.5		2.5	ug/L			07/06/20 18:14	5
sec-Butylbenzene	<2.5	F1	2.5	ug/L			07/06/20 18:14	5
2,2-Dichloropropane	<2.5		2.5	ug/L			07/06/20 18:14	5
Ethyl t-butyl ether	<2.5		2.5	ug/L			07/06/20 18:14	5
di-Isopropyl ether	<2.5		2.5	ug/L			07/06/20 18:14	5
p-Isopropyltoluene	**12**	**F1**	2.5	ug/L			07/06/20 18:14	5
t-Amyl methyl ether	<2.5		2.5	ug/L			07/06/20 18:14	5
1,2,3-Trichloropropane	<5.0		5.0	ug/L			07/06/20 18:14	5
tert-Butylbenzene	<2.5		2.5	ug/L			07/06/20 18:14	5
1,3-Dichloropropane	<2.5		2.5	ug/L			07/06/20 18:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*07/06/20 18:14*	*5*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*07/06/20 18:14*	*5*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*07/06/20 18:14*	*5*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/06/20 18:14*	*5*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**490**		25	ug/L			07/06/20 19:18	50
Xylenes, Total	**1200**		50	ug/L			07/06/20 19:18	50
Naphthalene	**200**		25	ug/L			07/06/20 19:18	50
N-Propylbenzene	**290**		25	ug/L			07/06/20 19:18	50
1,3,5-Trimethylbenzene	**340**		25	ug/L			07/06/20 19:18	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*07/06/20 19:18*	*50*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/06/20 19:18*	*50*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/06/20 19:18*	*50*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/06/20 19:18*	*50*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**1200**	**H**	250	ug/L			07/08/20 19:13	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*07/08/20 19:13*	*500*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/08/20 19:13*	*500*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/08/20 19:13*	*500*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/08/20 19:13*	*500*

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: MW-8 (200623)

Date Collected: 06/23/20 09:45
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-5

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50		ug/L			07/06/20 13:38	1
Styrene	<0.50		0.50		ug/L			07/06/20 13:38	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 13:38	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 13:38	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:38	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/06/20 13:38	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/20 13:38	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/06/20 13:38	1
Toluene	<0.50		0.50		ug/L			07/06/20 13:38	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/20 13:38	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:38	1
Dibromochloromethane	<0.50		0.50		ug/L			07/06/20 13:38	1
Tetrachloroethene	<0.50		0.50		ug/L			07/06/20 13:38	1
Xylenes, Total	<1.0		1.0		ug/L			07/06/20 13:38	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 13:38	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 13:38	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/06/20 13:38	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:38	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/20 13:38	1
2-Hexanone	<5.0		5.0		ug/L			07/06/20 13:38	1
Acetone	<5.0		5.0		ug/L			07/06/20 13:38	1
Chloroform	<0.50		0.50		ug/L			07/06/20 13:38	1
Benzene	<0.50		0.50		ug/L			07/06/20 13:38	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/20 13:38	1
Bromomethane	<0.50		0.50		ug/L			07/06/20 13:38	1
Chloromethane	<0.50		0.50		ug/L			07/06/20 13:38	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/20 13:38	1
Chloroethane	<0.50		0.50		ug/L			07/06/20 13:38	1
Vinyl chloride	<0.50		0.50		ug/L			07/06/20 13:38	1
Methylene Chloride	<0.50		0.50		ug/L			07/06/20 13:38	1
Carbon disulfide	<1.0		1.0		ug/L			07/06/20 13:38	1
Bromoform	<1.0		1.0		ug/L			07/06/20 13:38	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/20 13:38	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/20 13:38	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/06/20 13:38	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/06/20 13:38	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/20 13:38	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 13:38	1
2-Butanone	<5.0		5.0		ug/L			07/06/20 13:38	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/20 13:38	1
Trichloroethene	<0.50		0.50		ug/L			07/06/20 13:38	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 13:38	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:38	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:38	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			07/06/20 13:38	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/20 13:38	1
t-Butyl alcohol	<10		10		ug/L			07/06/20 13:38	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/20 13:38	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/20 13:38	1

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: MW-8 (200623)

Date Collected: 06/23/20 09:45
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-5

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**1.2**		0.50	ug/L			07/06/20 13:38	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/06/20 13:38	1
Dibromomethane	<0.50		0.50	ug/L			07/06/20 13:38	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/06/20 13:38	1
Naphthalene	<0.50		0.50	ug/L			07/06/20 13:38	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/06/20 13:38	1
Bromobenzene	<0.50		0.50	ug/L			07/06/20 13:38	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/06/20 13:38	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/06/20 13:38	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/06/20 13:38	1
N-Propylbenzene	<0.50		0.50	ug/L			07/06/20 13:38	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/06/20 13:38	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/06/20 13:38	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/06/20 13:38	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/06/20 13:38	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/06/20 13:38	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/06/20 13:38	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/06/20 13:38	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/06/20 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*07/06/20 13:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*07/06/20 13:38*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*07/06/20 13:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/06/20 13:38*	*1*

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: MW-10 (200623)

Date Collected: 06/23/20 12:45
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-6

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50		ug/L			07/06/20 13:59	1
Styrene	<0.50		0.50		ug/L			07/06/20 13:59	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 13:59	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 13:59	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:59	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/06/20 13:59	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/20 13:59	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/06/20 13:59	1
Toluene	<0.50		0.50		ug/L			07/06/20 13:59	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/20 13:59	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:59	1
Dibromochloromethane	<0.50		0.50		ug/L			07/06/20 13:59	1
Tetrachloroethene	<0.50		0.50		ug/L			07/06/20 13:59	1
Xylenes, Total	<1.0		1.0		ug/L			07/06/20 13:59	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 13:59	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 13:59	1
Methyl tertiary butyl ether	**4.2**		0.50		ug/L			07/06/20 13:59	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:59	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/20 13:59	1
2-Hexanone	<5.0		5.0		ug/L			07/06/20 13:59	1
Acetone	<5.0		5.0		ug/L			07/06/20 13:59	1
Chloroform	<0.50		0.50		ug/L			07/06/20 13:59	1
Benzene	<0.50		0.50		ug/L			07/06/20 13:59	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/20 13:59	1
Bromomethane	<0.50		0.50		ug/L			07/06/20 13:59	1
Chloromethane	<0.50		0.50		ug/L			07/06/20 13:59	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/20 13:59	1
Chloroethane	<0.50		0.50		ug/L			07/06/20 13:59	1
Vinyl chloride	<0.50		0.50		ug/L			07/06/20 13:59	1
Methylene Chloride	<0.50		0.50		ug/L			07/06/20 13:59	1
Carbon disulfide	<1.0		1.0		ug/L			07/06/20 13:59	1
Bromoform	<1.0		1.0		ug/L			07/06/20 13:59	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/20 13:59	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/20 13:59	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/06/20 13:59	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/06/20 13:59	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/20 13:59	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 13:59	1
2-Butanone	<5.0		5.0		ug/L			07/06/20 13:59	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/20 13:59	1
Trichloroethene	<0.50		0.50		ug/L			07/06/20 13:59	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 13:59	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:59	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 13:59	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			07/06/20 13:59	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/20 13:59	1
t-Butyl alcohol	<10		10		ug/L			07/06/20 13:59	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/20 13:59	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/20 13:59	1

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

Job ID: 410-5572-1

Client Sample ID: MW-10 (200623)

Date Collected: 06/23/20 12:45
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-6

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**0.52**		0.50	ug/L			07/06/20 13:59	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/06/20 13:59	1
Dibromomethane	<0.50		0.50	ug/L			07/06/20 13:59	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/06/20 13:59	1
Naphthalene	<0.50		0.50	ug/L			07/06/20 13:59	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/06/20 13:59	1
Bromobenzene	<0.50		0.50	ug/L			07/06/20 13:59	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/06/20 13:59	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/06/20 13:59	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/06/20 13:59	1
N-Propylbenzene	<0.50		0.50	ug/L			07/06/20 13:59	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/06/20 13:59	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/06/20 13:59	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/06/20 13:59	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/06/20 13:59	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/06/20 13:59	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/06/20 13:59	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/06/20 13:59	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/06/20 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*07/06/20 13:59*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/06/20 13:59*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/06/20 13:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/06/20 13:59*	*1*

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: MW-11 (200623)

Date Collected: 06/23/20 12:20
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-7

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**2.4**		0.50		ug/L			07/06/20 14:21	1
Styrene	<0.50		0.50		ug/L			07/06/20 14:21	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 14:21	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 14:21	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/06/20 14:21	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/20 14:21	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/06/20 14:21	1
Toluene	<0.50		0.50		ug/L			07/06/20 14:21	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
Dibromochloromethane	<0.50		0.50		ug/L			07/06/20 14:21	1
Tetrachloroethene	<0.50		0.50		ug/L			07/06/20 14:21	1
Xylenes, Total	**2.2**		1.0		ug/L			07/06/20 14:21	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 14:21	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 14:21	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/06/20 14:21	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/20 14:21	1
2-Hexanone	<5.0		5.0		ug/L			07/06/20 14:21	1
Acetone	**6.6**		5.0		ug/L			07/06/20 14:21	1
Chloroform	<0.50		0.50		ug/L			07/06/20 14:21	1
Benzene	<0.50		0.50		ug/L			07/06/20 14:21	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/20 14:21	1
Bromomethane	<0.50		0.50		ug/L			07/06/20 14:21	1
Chloromethane	<0.50		0.50		ug/L			07/06/20 14:21	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/20 14:21	1
Chloroethane	<0.50		0.50		ug/L			07/06/20 14:21	1
Vinyl chloride	<0.50		0.50		ug/L			07/06/20 14:21	1
Methylene Chloride	<0.50		0.50		ug/L			07/06/20 14:21	1
Carbon disulfide	<1.0		1.0		ug/L			07/06/20 14:21	1
Bromoform	<1.0		1.0		ug/L			07/06/20 14:21	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/20 14:21	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/20 14:21	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/06/20 14:21	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/06/20 14:21	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/20 14:21	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 14:21	1
2-Butanone	<5.0		5.0		ug/L			07/06/20 14:21	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/20 14:21	1
Trichloroethene	<0.50		0.50		ug/L			07/06/20 14:21	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 14:21	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			07/06/20 14:21	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
t-Butyl alcohol	<10		10		ug/L			07/06/20 14:21	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/20 14:21	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/20 14:21	1

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: MW-11 (200623)

Date Collected: 06/23/20 12:20
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-7

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**3.1**		0.50		ug/L			07/06/20 14:21	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/06/20 14:21	1
Dibromomethane	<0.50		0.50		ug/L			07/06/20 14:21	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/20 14:21	1
Naphthalene	**0.84**		0.50		ug/L			07/06/20 14:21	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/06/20 14:21	1
Bromobenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 14:21	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 14:21	1
N-Propylbenzene	**1.0**		0.50		ug/L			07/06/20 14:21	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			07/06/20 14:21	1
di-Isopropyl ether	<0.50		0.50		ug/L			07/06/20 14:21	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/20 14:21	1
t-Amyl methyl ether	<0.50		0.50		ug/L			07/06/20 14:21	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/06/20 14:21	1
1,3,5-Trimethylbenzene	**0.59**		0.50		ug/L			07/06/20 14:21	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/20 14:21	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/20 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*07/06/20 14:21*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/06/20 14:21*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/06/20 14:21*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/06/20 14:21*	*1*

Client Sample ID: DUP-01 (200623)

Date Collected: 06/23/20 09:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-8

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<2.5		2.5	ug/L			07/06/20 19:39	5
cis-1,3-Dichloropropene	<2.5		2.5	ug/L			07/06/20 19:39	5
trans-1,3-Dichloropropene	<2.5		2.5	ug/L			07/06/20 19:39	5
1,4-Dichlorobenzene	<2.5		2.5	ug/L			07/06/20 19:39	5
1,2-Dibromoethane	<2.5		2.5	ug/L			07/06/20 19:39	5
1,2-Dichloroethane	<2.5		2.5	ug/L			07/06/20 19:39	5
4-Methyl-2-pentanone	<25	*3	25	ug/L			07/06/20 19:39	5
Toluene	**16**		2.5	ug/L			07/06/20 19:39	5
Chlorobenzene	<2.5		2.5	ug/L			07/06/20 19:39	5
1,2,4-Trichlorobenzene	<2.5		2.5	ug/L			07/06/20 19:39	5
Dibromochloromethane	<2.5		2.5	ug/L			07/06/20 19:39	5
Tetrachloroethene	<2.5		2.5	ug/L			07/06/20 19:39	5
cis-1,2-Dichloroethene	<2.5		2.5	ug/L			07/06/20 19:39	5
trans-1,2-Dichloroethene	<2.5		2.5	ug/L			07/06/20 19:39	5
Methyl tertiary butyl ether	<2.5		2.5	ug/L			07/06/20 19:39	5
1,3-Dichlorobenzene	<2.5		2.5	ug/L			07/06/20 19:39	5
Carbon tetrachloride	<2.5		2.5	ug/L			07/06/20 19:39	5
2-Hexanone	<25	*3	25	ug/L			07/06/20 19:39	5
Acetone	<25	*3	25	ug/L			07/06/20 19:39	5
Chloroform	<2.5		2.5	ug/L			07/06/20 19:39	5
Benzene	**4.5**		2.5	ug/L			07/06/20 19:39	5
1,1,1-Trichloroethane	<2.5		2.5	ug/L			07/06/20 19:39	5
Bromomethane	<2.5		2.5	ug/L			07/06/20 19:39	5
Chloromethane	<2.5		2.5	ug/L			07/06/20 19:39	5
Bromochloromethane	<2.5		2.5	ug/L			07/06/20 19:39	5
Chloroethane	<2.5		2.5	ug/L			07/06/20 19:39	5
Vinyl chloride	<2.5		2.5	ug/L			07/06/20 19:39	5
Methylene Chloride	<2.5		2.5	ug/L			07/06/20 19:39	5
Carbon disulfide	<5.0		5.0	ug/L			07/06/20 19:39	5
Bromoform	<5.0		5.0	ug/L			07/06/20 19:39	5
Bromodichloromethane	<2.5		2.5	ug/L			07/06/20 19:39	5
1,1-Dichloroethane	<2.5		2.5	ug/L			07/06/20 19:39	5
1,1-Dichloroethene	<2.5		2.5	ug/L			07/06/20 19:39	5
Trichlorofluoromethane	<2.5		2.5	ug/L			07/06/20 19:39	5
Dichlorodifluoromethane	<2.5		2.5	ug/L			07/06/20 19:39	5
1,2-Dichloropropane	<2.5		2.5	ug/L			07/06/20 19:39	5
2-Butanone	<25	*3	25	ug/L			07/06/20 19:39	5
1,1,2-Trichloroethane	<2.5		2.5	ug/L			07/06/20 19:39	5
Trichloroethene	<2.5		2.5	ug/L			07/06/20 19:39	5
1,1,2,2-Tetrachloroethane	<2.5		2.5	ug/L			07/06/20 19:39	5
1,2,3-Trichlorobenzene	<2.5		2.5	ug/L			07/06/20 19:39	5
1,2-Dichlorobenzene	<2.5		2.5	ug/L			07/06/20 19:39	5
1,2-Dibromo-3-Chloropropane	<2.5		2.5	ug/L			07/06/20 19:39	5
Isopropylbenzene	**83**		2.5	ug/L			07/06/20 19:39	5
t-Butyl alcohol	<50	*3	50	ug/L			07/06/20 19:39	5
Hexachlorobutadiene	<2.5		2.5	ug/L			07/06/20 19:39	5
n-Butylbenzene	**38**		2.5	ug/L			07/06/20 19:39	5
2-Chlorotoluene	<2.5		2.5	ug/L			07/06/20 19:39	5
Dibromomethane	<2.5		2.5	ug/L			07/06/20 19:39	5

Client Sample ID: DUP-01 (200623)

Date Collected: 06/23/20 09:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-8

Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<2.5		2.5	ug/L			07/06/20 19:39	5
4-Chlorotoluene	<2.5		2.5	ug/L			07/06/20 19:39	5
Bromobenzene	<2.5		2.5	ug/L			07/06/20 19:39	5
1,1,1,2-Tetrachloroethane	<2.5		2.5	ug/L			07/06/20 19:39	5
sec-Butylbenzene	**22**		2.5	ug/L			07/06/20 19:39	5
2,2-Dichloropropane	<2.5		2.5	ug/L			07/06/20 19:39	5
Ethyl t-butyl ether	<2.5		2.5	ug/L			07/06/20 19:39	5
di-Isopropyl ether	<2.5		2.5	ug/L			07/06/20 19:39	5
p-Isopropyltoluene	**13**		2.5	ug/L			07/06/20 19:39	5
t-Amyl methyl ether	<2.5		2.5	ug/L			07/06/20 19:39	5
1,2,3-Trichloropropane	<5.0		5.0	ug/L			07/06/20 19:39	5
tert-Butylbenzene	<2.5		2.5	ug/L			07/06/20 19:39	5
1,3-Dichloropropane	<2.5		2.5	ug/L			07/06/20 19:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*07/06/20 19:39*	*5*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*07/06/20 19:39*	*5*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/06/20 19:39*	*5*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/06/20 19:39*	*5*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**490**		25	ug/L			07/06/20 20:00	50
Xylenes, Total	**1200**		50	ug/L			07/06/20 20:00	50
Naphthalene	**190**		25	ug/L			07/06/20 20:00	50
N-Propylbenzene	**290**		25	ug/L			07/06/20 20:00	50
1,3,5-Trimethylbenzene	**330**		25	ug/L			07/06/20 20:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*07/06/20 20:00*	*50*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/06/20 20:00*	*50*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/06/20 20:00*	*50*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/06/20 20:00*	*50*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**1500**	**H**	250	ug/L			07/08/20 19:55	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*07/08/20 19:55*	*500*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/08/20 19:55*	*500*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*07/08/20 19:55*	*500*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/08/20 19:55*	*500*

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: RB-01 (200623)

Date Collected: 06/23/20 09:10
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-9

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
Styrene	<0.50		0.50		ug/L			07/06/20 11:10	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 11:10	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 11:10	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/06/20 11:10	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/20 11:10	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/06/20 11:10	1
Toluene	<0.50		0.50		ug/L			07/06/20 11:10	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
Dibromochloromethane	<0.50		0.50		ug/L			07/06/20 11:10	1
Tetrachloroethene	<0.50		0.50		ug/L			07/06/20 11:10	1
Xylenes, Total	<1.0		1.0		ug/L			07/06/20 11:10	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 11:10	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 11:10	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/06/20 11:10	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/20 11:10	1
2-Hexanone	<5.0		5.0		ug/L			07/06/20 11:10	1
Acetone	<5.0		5.0		ug/L			07/06/20 11:10	1
Chloroform	<0.50		0.50		ug/L			07/06/20 11:10	1
Benzene	<0.50		0.50		ug/L			07/06/20 11:10	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/20 11:10	1
Bromomethane	<0.50		0.50		ug/L			07/06/20 11:10	1
Chloromethane	<0.50		0.50		ug/L			07/06/20 11:10	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/20 11:10	1
Chloroethane	<0.50		0.50		ug/L			07/06/20 11:10	1
Vinyl chloride	<0.50		0.50		ug/L			07/06/20 11:10	1
Methylene Chloride	<0.50		0.50		ug/L			07/06/20 11:10	1
Carbon disulfide	<1.0		1.0		ug/L			07/06/20 11:10	1
Bromoform	<1.0		1.0		ug/L			07/06/20 11:10	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/20 11:10	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/20 11:10	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/06/20 11:10	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/06/20 11:10	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/20 11:10	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 11:10	1
2-Butanone	<5.0		5.0		ug/L			07/06/20 11:10	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/20 11:10	1
Trichloroethene	<0.50		0.50		ug/L			07/06/20 11:10	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 11:10	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			07/06/20 11:10	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
t-Butyl alcohol	<10		10		ug/L			07/06/20 11:10	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/20 11:10	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/20 11:10	1

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

Job ID: 410-5572-1

Client Sample ID: RB-01 (200623)

Date Collected: 06/23/20 09:10
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-9

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/06/20 11:10	1
Dibromomethane	<0.50		0.50		ug/L			07/06/20 11:10	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/20 11:10	1
Naphthalene	<0.50		0.50		ug/L			07/06/20 11:10	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/06/20 11:10	1
Bromobenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 11:10	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 11:10	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			07/06/20 11:10	1
di-Isopropyl ether	<0.50		0.50		ug/L			07/06/20 11:10	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/20 11:10	1
t-Amyl methyl ether	<0.50		0.50		ug/L			07/06/20 11:10	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/06/20 11:10	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/20 11:10	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/20 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*07/06/20 11:10*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/06/20 11:10*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*07/06/20 11:10*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/06/20 11:10*	*1*

Client Sample Results

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

Job ID: 410-5572-1

Client Sample ID: Trip Blank (200623)

Date Collected: 06/23/20 00:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-10

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50		ug/L			07/06/20 11:31	1
Styrene	<0.50		0.50		ug/L			07/06/20 11:31	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 11:31	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 11:31	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:31	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/06/20 11:31	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/20 11:31	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/06/20 11:31	1
Toluene	<0.50		0.50		ug/L			07/06/20 11:31	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/20 11:31	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:31	1
Dibromochloromethane	<0.50		0.50		ug/L			07/06/20 11:31	1
Tetrachloroethene	<0.50		0.50		ug/L			07/06/20 11:31	1
Xylenes, Total	<1.0		1.0		ug/L			07/06/20 11:31	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 11:31	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 11:31	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/06/20 11:31	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:31	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/20 11:31	1
2-Hexanone	<5.0		5.0		ug/L			07/06/20 11:31	1
Acetone	<5.0		5.0		ug/L			07/06/20 11:31	1
Chloroform	<0.50		0.50		ug/L			07/06/20 11:31	1
Benzene	<0.50		0.50		ug/L			07/06/20 11:31	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/20 11:31	1
Bromomethane	<0.50		0.50		ug/L			07/06/20 11:31	1
Chloromethane	<0.50		0.50		ug/L			07/06/20 11:31	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/20 11:31	1
Chloroethane	<0.50		0.50		ug/L			07/06/20 11:31	1
Vinyl chloride	<0.50		0.50		ug/L			07/06/20 11:31	1
Methylene Chloride	<0.50		0.50		ug/L			07/06/20 11:31	1
Carbon disulfide	<1.0		1.0		ug/L			07/06/20 11:31	1
Bromoform	<1.0		1.0		ug/L			07/06/20 11:31	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/20 11:31	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/20 11:31	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/06/20 11:31	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/06/20 11:31	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/20 11:31	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 11:31	1
2-Butanone	<5.0		5.0		ug/L			07/06/20 11:31	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/20 11:31	1
Trichloroethene	<0.50		0.50		ug/L			07/06/20 11:31	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 11:31	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:31	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 11:31	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			07/06/20 11:31	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/20 11:31	1
t-Butyl alcohol	<10		10		ug/L			07/06/20 11:31	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/20 11:31	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/20 11:31	1

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

Job ID: 410-5572-1

Client Sample ID: Trip Blank (200623)

Lab Sample ID: 410-5572-10

Date Collected: 06/23/20 00:00
Matrix: Water
Date Received: 06/24/20 16:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/06/20 11:31	1
2-Chlorotoluene	<0.50		0.50	ug/L			07/06/20 11:31	1
Dibromomethane	<0.50		0.50	ug/L			07/06/20 11:31	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/06/20 11:31	1
Naphthalene	<0.50		0.50	ug/L			07/06/20 11:31	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/06/20 11:31	1
Bromobenzene	<0.50		0.50	ug/L			07/06/20 11:31	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/06/20 11:31	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/06/20 11:31	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/06/20 11:31	1
N-Propylbenzene	<0.50		0.50	ug/L			07/06/20 11:31	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/06/20 11:31	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/06/20 11:31	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/06/20 11:31	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/06/20 11:31	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/06/20 11:31	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/06/20 11:31	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/06/20 11:31	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/06/20 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*07/06/20 11:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*07/06/20 11:31*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*07/06/20 11:31*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/06/20 11:31*	*1*

Surrogate Summary

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

Job ID: 410-5572-1

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)
410-5572-1	MW-1A (200623)	99	99	97	101
410-5572-1 - DL	MW-1A (200623)	101	101	98	103
410-5572-2	MW-2A (200623)	102	100	97	100
410-5572-2 - DL	MW-2A (200623)	98	99	97	101
410-5572-2 - DL2	MW-2A (200623)	102	99	98	101
410-5572-3	MW-3A (200623)	105	97	102	99
410-5572-4	MW-5A (200623)	103	101	99	103
410-5572-4 - DL	MW-5A (200623)	104	100	97	102
410-5572-4 - DL2	MW-5A (200623)	103	97	102	99
410-5572-4 MS	MW-5A (200623)	103	103	99	103
410-5572-4 MSD	MW-5A (200623)	100	103	98	103
410-5572-5	MW-8 (200623)	102	98	103	99
410-5572-6	MW-10 (200623)	105	97	102	100
410-5572-7	MW-11 (200623)	103	99	102	101
410-5572-8	DUP-01 (200623)	102	102	97	103
410-5572-8 - DL	DUP-01 (200623)	103	100	97	102
410-5572-8 - DL2	DUP-01 (200623)	105	99	101	99

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)
410-5572-9	RB-01 (200623)	107	97	103	100
410-5572-10	Trip Blank (200623)	102	96	101	100
LCS 410-19483/4	Lab Control Sample	100	99	100	101
LCS 410-20257/4	Lab Control Sample	101	103	97	103
LCS 410-20265/4	Lab Control Sample	103	99	100	100
MB 410-19483/6	Method Blank	104	98	103	99
MB 410-20257/6	Method Blank	101	98	100	102
MB 410-20265/6	Method Blank	105	97	100	100

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 410-19483/6
Matrix: Water
Analysis Batch: 19483

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
Styrene	<0.50		0.50		ug/L			07/06/20 10:27	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 10:27	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/06/20 10:27	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/20 10:27	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/06/20 10:27	1
Toluene	<0.50		0.50		ug/L			07/06/20 10:27	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
Dibromochloromethane	<0.50		0.50		ug/L			07/06/20 10:27	1
Tetrachloroethene	<0.50		0.50		ug/L			07/06/20 10:27	1
Xylenes, Total	<1.0		1.0		ug/L			07/06/20 10:27	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 10:27	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/06/20 10:27	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/06/20 10:27	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/20 10:27	1
2-Hexanone	<5.0		5.0		ug/L			07/06/20 10:27	1
Acetone	<5.0		5.0		ug/L			07/06/20 10:27	1
Chloroform	<0.50		0.50		ug/L			07/06/20 10:27	1
Benzene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/20 10:27	1
Bromomethane	<0.50		0.50		ug/L			07/06/20 10:27	1
Chloromethane	<0.50		0.50		ug/L			07/06/20 10:27	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/20 10:27	1
Chloroethane	<0.50		0.50		ug/L			07/06/20 10:27	1
Vinyl chloride	<0.50		0.50		ug/L			07/06/20 10:27	1
Methylene Chloride	<0.50		0.50		ug/L			07/06/20 10:27	1
Carbon disulfide	<1.0		1.0		ug/L			07/06/20 10:27	1
Bromoform	<1.0		1.0		ug/L			07/06/20 10:27	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/20 10:27	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/20 10:27	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/06/20 10:27	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/06/20 10:27	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/20 10:27	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 10:27	1
2-Butanone	<5.0		5.0		ug/L			07/06/20 10:27	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/20 10:27	1
Trichloroethene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 10:27	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			07/06/20 10:27	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
t-Butyl alcohol	<10		10		ug/L			07/06/20 10:27	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/20 10:27	1

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

Lab Sample ID: MB 410-19483/6
Matrix: Water
Analysis Batch: 19483

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/06/20 10:27	1
Dibromomethane	<0.50		0.50		ug/L			07/06/20 10:27	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/20 10:27	1
Naphthalene	<0.50		0.50		ug/L			07/06/20 10:27	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/06/20 10:27	1
Bromobenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/20 10:27	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/20 10:27	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			07/06/20 10:27	1
di-Isopropyl ether	<0.50		0.50		ug/L			07/06/20 10:27	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/20 10:27	1
t-Amyl methyl ether	<0.50		0.50		ug/L			07/06/20 10:27	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/06/20 10:27	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/20 10:27	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/20 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*07/06/20 10:27*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*07/06/20 10:27*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*07/06/20 10:27*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/06/20 10:27*	*1*

Lab Sample ID: LCS 410-19483/4
Matrix: Water
Analysis Batch: 19483

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	5.00	5.08		ug/L		102	80 - 120
Styrene	5.00	5.17		ug/L		103	80 - 120
cis-1,3-Dichloropropene	5.00	5.14		ug/L		103	67 - 121
trans-1,3-Dichloropropene	5.00	4.91		ug/L		98	61 - 129
1,4-Dichlorobenzene	5.00	5.18		ug/L		104	80 - 120
1,2-Dibromoethane	5.00	5.24		ug/L		105	80 - 120
1,2-Dichloroethane	5.00	5.18		ug/L		104	69 - 122
4-Methyl-2-pentanone	25.0	26.1		ug/L		105	55 - 140
Toluene	5.00	5.08		ug/L		102	80 - 120
Chlorobenzene	5.00	5.16		ug/L		103	80 - 120
1,2,4-Trichlorobenzene	5.00	4.95		ug/L		99	68 - 122
Dibromochloromethane	5.00	5.19		ug/L		104	64 - 138
Tetrachloroethene	5.00	5.10		ug/L		102	80 - 120
Xylenes, Total	15.0	15.1		ug/L		101	80 - 120
cis-1,2-Dichloroethene	5.00	5.33		ug/L		107	80 - 122
trans-1,2-Dichloroethene	5.00	4.89		ug/L		98	80 - 122

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

Lab Sample ID: LCS 410-19483/4
Matrix: Water
Analysis Batch: 19483

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tertiary butyl ether	5.00	4.88		ug/L		98	69 - 120
1,3-Dichlorobenzene	5.00	5.14		ug/L		103	80 - 120
Carbon tetrachloride	5.00	4.93		ug/L		99	64 - 141
2-Hexanone	25.0	27.6		ug/L		111	52 - 140
Acetone	37.5	33.7		ug/L		90	60 - 146
Chloroform	5.00	5.18		ug/L		104	80 - 120
Benzene	5.00	5.07		ug/L		101	80 - 120
1,1,1-Trichloroethane	5.00	4.81		ug/L		96	78 - 126
Bromomethane	5.00	4.25		ug/L		85	60 - 136
Chloromethane	5.00	4.23		ug/L		85	56 - 124
Bromochloromethane	5.00	4.83		ug/L		97	80 - 120
Chloroethane	5.00	4.32		ug/L		86	63 - 120
Vinyl chloride	5.00	4.18		ug/L		84	60 - 125
Methylene Chloride	5.00	5.09		ug/L		102	80 - 120
Carbon disulfide	5.00	4.91		ug/L		98	67 - 130
Bromoform	5.00	5.17		ug/L		103	49 - 144
Bromodichloromethane	5.00	5.12		ug/L		102	73 - 124
1,1-Dichloroethane	5.00	5.15		ug/L		103	74 - 120
1,1-Dichloroethene	5.00	4.89		ug/L		98	80 - 131
Trichlorofluoromethane	5.00	4.88		ug/L		98	62 - 136
Dichlorodifluoromethane	5.00	2.83		ug/L		57	43 - 123
1,2-Dichloropropane	5.00	5.45		ug/L		109	80 - 120
2-Butanone	37.5	39.0		ug/L		104	59 - 141
1,1,2-Trichloroethane	5.00	5.26		ug/L		105	80 - 120
Trichloroethene	5.00	4.99		ug/L		100	80 - 120
1,1,2,2-Tetrachloroethane	5.00	5.32		ug/L		106	75 - 123
1,2,3-Trichlorobenzene	5.00	4.98		ug/L		100	68 - 125
1,2-Dichlorobenzene	5.00	5.11		ug/L		102	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	4.93		ug/L		99	56 - 148
Isopropylbenzene	5.00	5.02		ug/L		100	80 - 120
t-Butyl alcohol	50.0	37.0		ug/L		74	62 - 138
Hexachlorobutadiene	5.00	5.15		ug/L		103	72 - 132
n-Butylbenzene	5.00	5.22		ug/L		104	74 - 123
1,2,4-Trimethylbenzene	5.00	4.95		ug/L		99	80 - 120
2-Chlorotoluene	5.00	5.12		ug/L		102	80 - 120
Dibromomethane	5.00	5.27		ug/L		105	80 - 122
1,1-Dichloropropene	5.00	5.05		ug/L		101	74 - 120
Naphthalene	5.00	4.82		ug/L		96	64 - 122
4-Chlorotoluene	5.00	5.16		ug/L		103	80 - 120
Bromobenzene	5.00	5.10		ug/L		102	80 - 120
1,1,1,2-Tetrachloroethane	5.00	4.99		ug/L		100	71 - 134
sec-Butylbenzene	5.00	5.16		ug/L		103	80 - 120
2,2-Dichloropropane	5.00	4.79		ug/L		96	61 - 141
N-Propylbenzene	5.00	5.20		ug/L		104	74 - 122
Ethyl t-butyl ether	5.00	4.88		ug/L		98	57 - 126
di-Isopropyl ether	5.00	5.16		ug/L		103	58 - 131
p-Isopropyltoluene	5.00	5.13		ug/L		103	80 - 120
t-Amyl methyl ether	5.00	4.91		ug/L		98	65 - 125
1,2,3-Trichloropropane	5.00	5.31		ug/L		106	80 - 125

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

Lab Sample ID: LCS 410-19483/4
Matrix: Water
Analysis Batch: 19483

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	5.00	5.07		ug/L		101	80 - 120
tert-Butylbenzene	5.00	4.95		ug/L		99	79 - 120
1,3-Dichloropropane	5.00	5.23		ug/L		105	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 410-5572-4 MS
Matrix: Groundwater
Analysis Batch: 19483

Client Sample ID: MW-5A (200623)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	330	E	25.0	329	E 4	ug/L		12	80 - 120
Styrene	<2.5	F1	25.0	31.7	F1	ug/L		127	80 - 120
cis-1,3-Dichloropropene	<2.5		25.0	28.4		ug/L		114	67 - 121
trans-1,3-Dichloropropene	<2.5		25.0	26.8		ug/L		107	61 - 129
1,4-Dichlorobenzene	<2.5		25.0	29.2		ug/L		117	80 - 120
1,2-Dibromoethane	<2.5		25.0	29.4		ug/L		118	80 - 120
1,2-Dichloroethane	<2.5		25.0	27.6		ug/L		110	69 - 122
4-Methyl-2-pentanone	<25		125	86.8	*3	ug/L		69	55 - 140
Toluene	15		25.0	44.8		ug/L		119	80 - 120
Chlorobenzene	<2.5		25.0	29.3		ug/L		117	80 - 120
1,2,4-Trichlorobenzene	<2.5		25.0	28.6		ug/L		114	68 - 122
Dibromochloromethane	<2.5		25.0	26.9		ug/L		107	64 - 138
Tetrachloroethene	<2.5		25.0	29.3		ug/L		117	80 - 120
Xylenes, Total	900	E	75.1	961	E 4	ug/L		76	80 - 120
cis-1,2-Dichloroethene	<2.5		25.0	30.4		ug/L		122	80 - 122
trans-1,2-Dichloroethene	<2.5		25.0	28.5		ug/L		114	80 - 122
Methyl tertiary butyl ether	<2.5		25.0	26.7		ug/L		107	69 - 120
1,3-Dichlorobenzene	<2.5		25.0	28.8		ug/L		115	80 - 120
Carbon tetrachloride	<2.5		25.0	27.9		ug/L		112	64 - 141
2-Hexanone	<25		125	113	*3	ug/L		90	52 - 140
Acetone	<25	F1	188	411	*3 F1	ug/L		219	60 - 146
Chloroform	<2.5	F1	25.0	32.5	F1	ug/L		130	80 - 120
Benzene	4.5	F1	25.0	34.2		ug/L		119	80 - 120
1,1,1-Trichloroethane	<2.5		25.0	27.7		ug/L		111	78 - 126
Bromomethane	<2.5		25.0	25.1		ug/L		100	60 - 136
Chloromethane	<2.5		25.0	26.2		ug/L		105	80 - 120
Bromochloromethane	<2.5		25.0	26.1		ug/L		104	80 - 120
Chloroethane	<2.5		25.0	26.7		ug/L		107	63 - 120
Vinyl chloride	<2.5		25.0	26.3		ug/L		105	60 - 125
Methylene Chloride	<2.5	F1	25.0	32.8	F1	ug/L		131	80 - 120
Carbon disulfide	<5.0		25.0	28.7		ug/L		115	67 - 130
Bromoform	<5.0		25.0	24.9		ug/L		100	49 - 144
Bromodichloromethane	<2.5	F1	25.0	31.7	F1	ug/L		127	73 - 124

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

Lab Sample ID: 410-5572-4 MS
Matrix: Groundwater
Analysis Batch: 19483

Client Sample ID: MW-5A (200623)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	<2.5	F1	25.0	30.3		ug/L		119	74 - 120
1,1-Dichloroethene	<2.5		25.0	29.0		ug/L		116	80 - 131
Trichlorofluoromethane	<2.5		25.0	29.0		ug/L		116	62 - 136
Dichlorodifluoromethane	<2.5		25.0	16.2		ug/L		65	43 - 123
1,2-Dichloropropane	<2.5	F1	25.0	34.0	F1	ug/L		136	80 - 120
2-Butanone	<25		188	160	*3	ug/L		85	59 - 141
1,1,2-Trichloroethane	<2.5	F1	25.0	74.8	F1	ug/L		299	80 - 120
Trichloroethene	<2.5	F1	25.0	30.2	F1	ug/L		121	80 - 120
1,1,2,2-Tetrachloroethane	<2.5	F1	25.0	33.1	F1	ug/L		132	75 - 123
1,2,3-Trichlorobenzene	<2.5		25.0	28.0		ug/L		112	68 - 125
1,2-Dichlorobenzene	<2.5		25.0	28.7		ug/L		115	80 - 120
1,2-Dibromo-3-Chloropropane	<2.5		25.0	27.0		ug/L		108	56 - 148
Isopropylbenzene	82	F1	25.0	114	F1	ug/L		128	80 - 120
t-Butyl alcohol	<50	F1	250	142	F1 *3	ug/L		57	62 - 138
Hexachlorobutadiene	<2.5		25.0	32.2		ug/L		129	72 - 132
n-Butylbenzene	36	F1	25.0	68.8	F1	ug/L		130	74 - 123
1,2,4-Trimethylbenzene	410	E	25.0	416	E 4	ug/L		13	80 - 120
2-Chlorotoluene	<2.5		25.0	29.5		ug/L		116	80 - 120
Dibromomethane	<2.5		25.0	28.8		ug/L		115	80 - 122
1,1-Dichloropropene	<2.5	F1	25.0	30.4	F1	ug/L		121	74 - 120
Naphthalene	160	E	25.0	191	E 4	ug/L		136	64 - 122
4-Chlorotoluene	<2.5		25.0	28.3		ug/L		111	80 - 120
Bromobenzene	<2.5		25.0	28.7		ug/L		115	80 - 120
1,1,1,2-Tetrachloroethane	<2.5		25.0	26.9		ug/L		108	71 - 134
sec-Butylbenzene	<2.5	F1	25.0	53.3	F1	ug/L		213	80 - 120
2,2-Dichloropropane	<2.5		25.0	26.0		ug/L		104	61 - 141
N-Propylbenzene	220	E	25.0	232	E 4	ug/L		40	74 - 122
Ethyl t-butyl ether	<2.5		25.0	26.9		ug/L		108	57 - 126
di-Isopropyl ether	<2.5		25.0	30.0		ug/L		120	58 - 131
p-Isopropyltoluene	12	F1	25.0	43.2	F1	ug/L		124	80 - 120
t-Amyl methyl ether	<2.5		25.0	26.0		ug/L		104	65 - 125
1,2,3-Trichloropropane	<5.0		25.0	29.6		ug/L		118	80 - 125
1,3,5-Trimethylbenzene	280	E	25.0	293	E 4	ug/L		63	80 - 120
tert-Butylbenzene	<2.5		25.0	29.7		ug/L		115	79 - 120
1,3-Dichloropropane	<2.5		25.0	29.0		ug/L		116	80 - 120

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

Lab Sample ID: 410-5572-4 MSD
Matrix: Groundwater
Analysis Batch: 19483

Client Sample ID: MW-5A (200623)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	330	E	25.0	325	E 4	ug/L		-2	80 - 120	1	30

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

Lab Sample ID: 410-5572-4 MSD
Matrix: Groundwater
Analysis Batch: 19483

Client Sample ID: MW-5A (200623)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	<2.5	F1	25.0	31.3	F1	ug/L		125	80 - 120	2	30
cis-1,3-Dichloropropene	<2.5		25.0	28.4		ug/L		114	67 - 121	0	30
trans-1,3-Dichloropropene	<2.5		25.0	26.7		ug/L		107	61 - 129	1	30
1,4-Dichlorobenzene	<2.5		25.0	28.4		ug/L		114	80 - 120	3	30
1,2-Dibromoethane	<2.5		25.0	29.4		ug/L		117	80 - 120	0	30
1,2-Dichloroethane	<2.5		25.0	29.8		ug/L		119	69 - 122	8	30
4-Methyl-2-pentanone	<25		125	92.1	*3	ug/L		74	55 - 140	6	30
Toluene	15		25.0	44.6		ug/L		118	80 - 120	0	30
Chlorobenzene	<2.5		25.0	28.9		ug/L		115	80 - 120	1	30
1,2,4-Trichlorobenzene	<2.5		25.0	26.3		ug/L		105	68 - 122	8	30
Dibromochloromethane	<2.5		25.0	27.0		ug/L		108	64 - 138	0	30
Tetrachloroethene	<2.5		25.0	28.5		ug/L		114	80 - 120	3	30
Xylenes, Total	900	E	75.1	944	E 4	ug/L		54	80 - 120	2	30
cis-1,2-Dichloroethene	<2.5		25.0	30.0		ug/L		120	80 - 122	1	30
trans-1,2-Dichloroethene	<2.5		25.0	28.6		ug/L		114	80 - 122	0	30
Methyl tertiary butyl ether	<2.5		25.0	26.4		ug/L		105	69 - 120	1	30
1,3-Dichlorobenzene	<2.5		25.0	28.1		ug/L		112	80 - 120	2	30
Carbon tetrachloride	<2.5		25.0	28.6		ug/L		114	64 - 141	3	30
2-Hexanone	<25		125	125	*3	ug/L		100	52 - 140	10	30
Acetone	<25	F1	188	446	*3 F1	ug/L		237	60 - 146	8	30
Chloroform	<2.5	F1	25.0	32.4	F1	ug/L		130	80 - 120	0	30
Benzene	4.5	F1	25.0	34.6	F1	ug/L		121	80 - 120	1	30
1,1,1-Trichloroethane	<2.5		25.0	27.8		ug/L		111	78 - 126	0	30
Bromomethane	<2.5		25.0	23.8		ug/L		95	60 - 136	5	30
Chloromethane	<2.5		25.0	24.1		ug/L		96	80 - 120	9	30
Bromochloromethane	<2.5		25.0	25.8		ug/L		103	80 - 120	1	30
Chloroethane	<2.5		25.0	25.1		ug/L		100	63 - 120	6	30
Vinyl chloride	<2.5		25.0	24.0		ug/L		96	60 - 125	9	30
Methylene Chloride	<2.5	F1	25.0	33.4	F1	ug/L		133	80 - 120	2	30
Carbon disulfide	<5.0		25.0	28.7		ug/L		115	67 - 130	0	30
Bromoform	<5.0		25.0	24.8		ug/L		99	49 - 144	0	30
Bromodichloromethane	<2.5	F1	25.0	32.5	F1	ug/L		130	73 - 124	3	30
1,1-Dichloroethane	<2.5	F1	25.0	31.5	F1	ug/L		123	74 - 120	4	30
1,1-Dichloroethene	<2.5		25.0	29.5		ug/L		118	80 - 131	2	30
Trichlorofluoromethane	<2.5		25.0	26.0		ug/L		104	62 - 136	11	30
Dichlorodifluoromethane	<2.5		25.0	14.3		ug/L		57	43 - 123	12	30
1,2-Dichloropropane	<2.5	F1	25.0	34.4	F1	ug/L		137	80 - 120	1	30
2-Butanone	<25		188	160	*3	ug/L		85	59 - 141	0	30
1,1,2-Trichloroethane	<2.5	F1	25.0	81.5	F1	ug/L		326	80 - 120	9	30
Trichloroethene	<2.5	F1	25.0	30.2	F1	ug/L		121	80 - 120	0	30
1,1,2,2-Tetrachloroethane	<2.5	F1	25.0	33.7	F1	ug/L		135	75 - 123	2	30
1,2,3-Trichlorobenzene	<2.5		25.0	25.9		ug/L		104	68 - 125	8	30
1,2-Dichlorobenzene	<2.5		25.0	28.1		ug/L		112	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	<2.5		25.0	26.6		ug/L		106	56 - 148	1	30
Isopropylbenzene	82	F1	25.0	112	F1	ug/L		121	80 - 120	1	30
t-Butyl alcohol	<50	F1	250	145	*3 F1	ug/L		58	62 - 138	2	30
Hexachlorobutadiene	<2.5		25.0	28.2		ug/L		113	72 - 132	13	30
n-Butylbenzene	36	F1	25.0	69.2	F1	ug/L		132	74 - 123	1	30
1,2,4-Trimethylbenzene	410	E	25.0	414	E 4	ug/L		2	80 - 120	1	30

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

Lab Sample ID: 410-5572-4 MSD
Matrix: Groundwater
Analysis Batch: 19483

Client Sample ID: MW-5A (200623)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorotoluene	<2.5		25.0	28.7		ug/L		113	80 - 120	3	30
Dibromomethane	<2.5		25.0	28.8		ug/L		115	80 - 122	0	30
1,1-Dichloropropene	<2.5	F1	25.0	30.2	F1	ug/L		121	74 - 120	1	30
Naphthalene	160	E	25.0	186	E 4	ug/L		114	64 - 122	3	30
4-Chlorotoluene	<2.5		25.0	28.6		ug/L		112	80 - 120	1	30
Bromobenzene	<2.5		25.0	28.5		ug/L		114	80 - 120	1	30
1,1,1,2-Tetrachloroethane	<2.5		25.0	27.0		ug/L		108	71 - 134	0	30
sec-Butylbenzene	<2.5	F1	25.0	53.0	F1	ug/L		212	80 - 120	0	30
2,2-Dichloropropane	<2.5		25.0	26.2		ug/L		105	61 - 141	1	30
N-Propylbenzene	220	E	25.0	230	E 4	ug/L		33	74 - 122	1	30
Ethyl t-butyl ether	<2.5		25.0	26.9		ug/L		107	57 - 126	0	30
di-Isopropyl ether	<2.5		25.0	29.9		ug/L		119	58 - 131	0	30
p-Isopropyltoluene	12	F1	25.0	42.5	F1	ug/L		121	80 - 120	2	30
t-Amyl methyl ether	<2.5		25.0	26.3		ug/L		105	65 - 125	1	30
1,2,3-Trichloropropane	<5.0		25.0	30.0		ug/L		120	80 - 125	1	30
1,3,5-Trimethylbenzene	280	E	25.0	291	E 4	ug/L		56	80 - 120	1	30
tert-Butylbenzene	<2.5		25.0	31.0		ug/L		120	79 - 120	4	30
1,3-Dichloropropane	<2.5		25.0	29.4		ug/L		117	80 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 410-20257/6
Matrix: Water
Analysis Batch: 20257

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
Styrene	<0.50		0.50		ug/L			07/08/20 09:18	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/08/20 09:18	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/08/20 09:18	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/08/20 09:18	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/08/20 09:18	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/08/20 09:18	1
Toluene	<0.50		0.50		ug/L			07/08/20 09:18	1
Chlorobenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
Dibromochloromethane	<0.50		0.50		ug/L			07/08/20 09:18	1
Tetrachloroethene	<0.50		0.50		ug/L			07/08/20 09:18	1
Xylenes, Total	<1.0		1.0		ug/L			07/08/20 09:18	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/08/20 09:18	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/08/20 09:18	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/08/20 09:18	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/08/20 09:18	1

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

Lab Sample ID: MB 410-20257/6
Matrix: Water
Analysis Batch: 20257

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.50		0.50		ug/L			07/08/20 09:18	1
2-Hexanone	<5.0		5.0		ug/L			07/08/20 09:18	1
Acetone	<5.0		5.0		ug/L			07/08/20 09:18	1
Chloroform	<0.50		0.50		ug/L			07/08/20 09:18	1
Benzene	<0.50		0.50		ug/L			07/08/20 09:18	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/08/20 09:18	1
Bromomethane	<0.50		0.50		ug/L			07/08/20 09:18	1
Chloromethane	<0.50		0.50		ug/L			07/08/20 09:18	1
Bromochloromethane	<0.50		0.50		ug/L			07/08/20 09:18	1
Chloroethane	<0.50		0.50		ug/L			07/08/20 09:18	1
Vinyl chloride	<0.50		0.50		ug/L			07/08/20 09:18	1
Methylene Chloride	<0.50		0.50		ug/L			07/08/20 09:18	1
Carbon disulfide	<1.0		1.0		ug/L			07/08/20 09:18	1
Bromoform	<1.0		1.0		ug/L			07/08/20 09:18	1
Bromodichloromethane	<0.50		0.50		ug/L			07/08/20 09:18	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/08/20 09:18	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/08/20 09:18	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/08/20 09:18	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/08/20 09:18	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/08/20 09:18	1
2-Butanone	<5.0		5.0		ug/L			07/08/20 09:18	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/08/20 09:18	1
Trichloroethene	<0.50		0.50		ug/L			07/08/20 09:18	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/08/20 09:18	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			07/08/20 09:18	1
Isopropylbenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
t-Butyl alcohol	<10		10		ug/L			07/08/20 09:18	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/08/20 09:18	1
n-Butylbenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/08/20 09:18	1
Dibromomethane	<0.50		0.50		ug/L			07/08/20 09:18	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/08/20 09:18	1
Naphthalene	<0.50		0.50		ug/L			07/08/20 09:18	1
4-Chlorotoluene	<0.50		0.50		ug/L			07/08/20 09:18	1
Bromobenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			07/08/20 09:18	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/08/20 09:18	1
N-Propylbenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
Ethyl t-butyl ether	<0.50		0.50		ug/L			07/08/20 09:18	1
di-Isopropyl ether	<0.50		0.50		ug/L			07/08/20 09:18	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/08/20 09:18	1
t-Amyl methyl ether	<0.50		0.50		ug/L			07/08/20 09:18	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/08/20 09:18	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/08/20 09:18	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/08/20 09:18	1

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

Lab Sample ID: MB 410-20257/6
Matrix: Water
Analysis Batch: 20257

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	<0.50		0.50		ug/L			07/08/20 09:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*07/08/20 09:18*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*07/08/20 09:18*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/08/20 09:18*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/08/20 09:18*	*1*

Lab Sample ID: LCS 410-20257/4
Matrix: Water
Analysis Batch: 20257

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	5.00	5.01		ug/L		100	80 - 120
Styrene	5.00	5.27		ug/L		105	80 - 120
cis-1,3-Dichloropropene	5.00	4.90		ug/L		98	67 - 121
trans-1,3-Dichloropropene	5.00	4.99		ug/L		100	61 - 129
1,4-Dichlorobenzene	5.00	5.05		ug/L		101	80 - 120
1,2-Dibromoethane	5.00	4.98		ug/L		100	80 - 120
1,2-Dichloroethane	5.00	4.81		ug/L		96	69 - 122
4-Methyl-2-pentanone	25.0	24.3		ug/L		97	55 - 140
Toluene	5.00	5.09		ug/L		102	80 - 120
Chlorobenzene	5.00	4.91		ug/L		98	80 - 120
1,2,4-Trichlorobenzene	5.00	4.73		ug/L		95	68 - 122
Dibromochloromethane	5.00	5.02		ug/L		100	64 - 138
Tetrachloroethene	5.00	4.82		ug/L		96	80 - 120
Xylenes, Total	15.0	15.2		ug/L		101	80 - 120
cis-1,2-Dichloroethene	5.00	5.11		ug/L		102	80 - 122
trans-1,2-Dichloroethene	5.00	4.92		ug/L		98	80 - 122
Methyl tertiary butyl ether	5.00	4.70		ug/L		94	69 - 120
1,3-Dichlorobenzene	5.00	4.96		ug/L		99	80 - 120
Carbon tetrachloride	5.00	4.71		ug/L		94	64 - 141
2-Hexanone	25.0	24.7		ug/L		99	52 - 140
Acetone	37.5	35.0		ug/L		93	60 - 146
Chloroform	5.00	4.91		ug/L		98	80 - 120
Benzene	5.00	4.87		ug/L		97	80 - 120
1,1,1-Trichloroethane	5.00	4.79		ug/L		96	78 - 126
Bromomethane	5.00	3.95		ug/L		79	60 - 136
Chloromethane	5.00	3.76		ug/L		75	56 - 124
Bromochloromethane	5.00	4.56		ug/L		91	80 - 120
Chloroethane	5.00	4.16		ug/L		83	63 - 120
Vinyl chloride	5.00	4.03		ug/L		81	60 - 125
Methylene Chloride	5.00	4.97		ug/L		99	80 - 120
Carbon disulfide	5.00	4.78		ug/L		96	67 - 130
Bromoform	5.00	4.79		ug/L		96	49 - 144
Bromodichloromethane	5.00	4.94		ug/L		99	73 - 124
1,1-Dichloroethane	5.00	4.92		ug/L		98	74 - 120
1,1-Dichloroethene	5.00	4.89		ug/L		98	80 - 131

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

Lab Sample ID: LCS 410-20257/4
Matrix: Water
Analysis Batch: 20257

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	5.00	4.65		ug/L		93	62 - 136
Dichlorodifluoromethane	5.00	3.23		ug/L		65	43 - 123
1,2-Dichloropropane	5.00	5.17		ug/L		103	80 - 120
2-Butanone	37.5	35.4		ug/L		94	59 - 141
1,1,2-Trichloroethane	5.00	5.21		ug/L		104	80 - 120
Trichloroethene	5.00	4.90		ug/L		98	80 - 120
1,1,2,2-Tetrachloroethane	5.00	5.05		ug/L		101	75 - 123
1,2,3-Trichlorobenzene	5.00	4.60		ug/L		92	68 - 125
1,2-Dichlorobenzene	5.00	5.09		ug/L		102	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.29		ug/L		106	56 - 148
Isopropylbenzene	5.00	5.19		ug/L		104	80 - 120
t-Butyl alcohol	50.0	34.7		ug/L		69	62 - 138
Hexachlorobutadiene	5.00	4.83		ug/L		97	72 - 132
n-Butylbenzene	5.00	5.23		ug/L		105	74 - 123
1,2,4-Trimethylbenzene	5.00	5.22		ug/L		104	80 - 120
2-Chlorotoluene	5.00	4.96		ug/L		99	80 - 120
Dibromomethane	5.00	4.86		ug/L		97	80 - 122
1,1-Dichloropropene	5.00	4.95		ug/L		99	74 - 120
Naphthalene	5.00	4.81		ug/L		96	64 - 122
4-Chlorotoluene	5.00	4.96		ug/L		99	80 - 120
Bromobenzene	5.00	4.80		ug/L		96	80 - 120
1,1,1,2-Tetrachloroethane	5.00	4.84		ug/L		97	71 - 134
sec-Butylbenzene	5.00	5.10		ug/L		102	80 - 120
2,2-Dichloropropane	5.00	5.05		ug/L		101	61 - 141
N-Propylbenzene	5.00	5.12		ug/L		102	74 - 122
Ethyl t-butyl ether	5.00	4.75		ug/L		95	57 - 126
di-Isopropyl ether	5.00	4.83		ug/L		97	58 - 131
p-Isopropyltoluene	5.00	5.15		ug/L		103	80 - 120
t-Amyl methyl ether	5.00	5.02		ug/L		100	65 - 125
1,2,3-Trichloropropane	5.00	5.24		ug/L		105	80 - 125
1,3,5-Trimethylbenzene	5.00	5.27		ug/L		105	80 - 120
tert-Butylbenzene	5.00	4.81		ug/L		96	79 - 120
1,3-Dichloropropane	5.00	4.96		ug/L		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 410-20265/6
Matrix: Water
Analysis Batch: 20265

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50	ug/L			07/08/20 10:01	1
Styrene	<0.50		0.50	ug/L			07/08/20 10:01	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/08/20 10:01	1

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

Lab Sample ID: MB 410-20265/6
Matrix: Water
Analysis Batch: 20265

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/08/20 10:01	1
1,4-Dichlorobenzene	<0.50		0.50		ug/L			07/08/20 10:01	1
1,2-Dibromoethane	<0.50		0.50		ug/L			07/08/20 10:01	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/08/20 10:01	1
4-Methyl-2-pentanone	<5.0		5.0		ug/L			07/08/20 10:01	1
Toluene	<0.50		0.50		ug/L			07/08/20 10:01	1
Chlorobenzene	<0.50		0.50		ug/L			07/08/20 10:01	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/08/20 10:01	1
Dibromochloromethane	<0.50		0.50		ug/L			07/08/20 10:01	1
Tetrachloroethene	<0.50		0.50		ug/L			07/08/20 10:01	1
Xylenes, Total	<1.0		1.0		ug/L			07/08/20 10:01	1
cis-1,2-Dichloroethene	<0.50		0.50		ug/L			07/08/20 10:01	1
trans-1,2-Dichloroethene	<0.50		0.50		ug/L			07/08/20 10:01	1
Methyl tertiary butyl ether	<0.50		0.50		ug/L			07/08/20 10:01	1
1,3-Dichlorobenzene	<0.50		0.50		ug/L			07/08/20 10:01	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/08/20 10:01	1
2-Hexanone	<5.0		5.0		ug/L			07/08/20 10:01	1
Acetone	<5.0		5.0		ug/L			07/08/20 10:01	1
Chloroform	<0.50		0.50		ug/L			07/08/20 10:01	1
Benzene	<0.50		0.50		ug/L			07/08/20 10:01	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/08/20 10:01	1
Bromomethane	<0.50		0.50		ug/L			07/08/20 10:01	1
Chloromethane	<0.50		0.50		ug/L			07/08/20 10:01	1
Bromochloromethane	<0.50		0.50		ug/L			07/08/20 10:01	1
Chloroethane	<0.50		0.50		ug/L			07/08/20 10:01	1
Vinyl chloride	<0.50		0.50		ug/L			07/08/20 10:01	1
Methylene Chloride	<0.50		0.50		ug/L			07/08/20 10:01	1
Carbon disulfide	<1.0		1.0		ug/L			07/08/20 10:01	1
Bromoform	<1.0		1.0		ug/L			07/08/20 10:01	1
Bromodichloromethane	<0.50		0.50		ug/L			07/08/20 10:01	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/08/20 10:01	1
1,1-Dichloroethene	<0.50		0.50		ug/L			07/08/20 10:01	1
Trichlorofluoromethane	<0.50		0.50		ug/L			07/08/20 10:01	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/08/20 10:01	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/08/20 10:01	1
2-Butanone	<5.0		5.0		ug/L			07/08/20 10:01	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/08/20 10:01	1
Trichloroethene	<0.50		0.50		ug/L			07/08/20 10:01	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/08/20 10:01	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/08/20 10:01	1
1,2-Dichlorobenzene	<0.50		0.50		ug/L			07/08/20 10:01	1
1,2-Dibromo-3-Chloropropane	<0.50		0.50		ug/L			07/08/20 10:01	1
Isopropylbenzene	<0.50		0.50		ug/L			07/08/20 10:01	1
t-Butyl alcohol	<10		10		ug/L			07/08/20 10:01	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/08/20 10:01	1
n-Butylbenzene	<0.50		0.50		ug/L			07/08/20 10:01	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/08/20 10:01	1
2-Chlorotoluene	<0.50		0.50		ug/L			07/08/20 10:01	1
Dibromomethane	<0.50		0.50		ug/L			07/08/20 10:01	1

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

Lab Sample ID: MB 410-20265/6
Matrix: Water
Analysis Batch: 20265

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.50		0.50	ug/L			07/08/20 10:01	1
Naphthalene	<0.50		0.50	ug/L			07/08/20 10:01	1
4-Chlorotoluene	<0.50		0.50	ug/L			07/08/20 10:01	1
Bromobenzene	<0.50		0.50	ug/L			07/08/20 10:01	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			07/08/20 10:01	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/08/20 10:01	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/08/20 10:01	1
N-Propylbenzene	<0.50		0.50	ug/L			07/08/20 10:01	1
Ethyl t-butyl ether	<0.50		0.50	ug/L			07/08/20 10:01	1
di-Isopropyl ether	<0.50		0.50	ug/L			07/08/20 10:01	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/08/20 10:01	1
t-Amyl methyl ether	<0.50		0.50	ug/L			07/08/20 10:01	1
1,2,3-Trichloropropane	<1.0		1.0	ug/L			07/08/20 10:01	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/08/20 10:01	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/08/20 10:01	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/08/20 10:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*07/08/20 10:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*07/08/20 10:01*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/08/20 10:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/08/20 10:01*	*1*

Lab Sample ID: LCS 410-20265/4
Matrix: Water
Analysis Batch: 20265

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	5.00	5.04		ug/L		101	80 - 120
Styrene	5.00	5.09		ug/L		102	80 - 120
cis-1,3-Dichloropropene	5.00	5.03		ug/L		101	67 - 121
trans-1,3-Dichloropropene	5.00	4.79		ug/L		96	61 - 129
1,4-Dichlorobenzene	5.00	5.19		ug/L		104	80 - 120
1,2-Dibromoethane	5.00	5.26		ug/L		105	80 - 120
1,2-Dichloroethane	5.00	5.05		ug/L		101	69 - 122
4-Methyl-2-pentanone	25.0	27.0		ug/L		108	55 - 140
Toluene	5.00	5.05		ug/L		101	80 - 120
Chlorobenzene	5.00	5.11		ug/L		102	80 - 120
1,2,4-Trichlorobenzene	5.00	5.04		ug/L		101	68 - 122
Dibromochloromethane	5.00	4.99		ug/L		100	64 - 138
Tetrachloroethene	5.00	5.07		ug/L		101	80 - 120
Xylenes, Total	15.0	15.1		ug/L		101	80 - 120
cis-1,2-Dichloroethene	5.00	5.27		ug/L		105	80 - 122
trans-1,2-Dichloroethene	5.00	4.94		ug/L		99	80 - 122
Methyl tertiary butyl ether	5.00	4.84		ug/L		97	69 - 120
1,3-Dichlorobenzene	5.00	5.06		ug/L		101	80 - 120
Carbon tetrachloride	5.00	4.77		ug/L		95	64 - 141
2-Hexanone	25.0	28.3		ug/L		113	52 - 140

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

Lab Sample ID: LCS 410-20265/4
Matrix: Water
Analysis Batch: 20265

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	37.5	38.1		ug/L		101	60 - 146
Chloroform	5.00	5.07		ug/L		101	80 - 120
Benzene	5.00	5.03		ug/L		101	80 - 120
1,1,1-Trichloroethane	5.00	4.62		ug/L		92	78 - 126
Bromomethane	5.00	4.17		ug/L		83	60 - 136
Chloromethane	5.00	4.11		ug/L		82	56 - 124
Bromochloromethane	5.00	4.84		ug/L		97	80 - 120
Chloroethane	5.00	4.34		ug/L		87	63 - 120
Vinyl chloride	5.00	4.13		ug/L		83	60 - 125
Methylene Chloride	5.00	5.18		ug/L		104	80 - 120
Carbon disulfide	5.00	4.78		ug/L		96	67 - 130
Bromoform	5.00	5.03		ug/L		101	49 - 144
Bromodichloromethane	5.00	5.00		ug/L		100	73 - 124
1,1-Dichloroethane	5.00	5.08		ug/L		102	74 - 120
1,1-Dichloroethene	5.00	4.84		ug/L		97	80 - 131
Trichlorofluoromethane	5.00	4.67		ug/L		93	62 - 136
Dichlorodifluoromethane	5.00	2.63		ug/L		53	43 - 123
1,2-Dichloropropane	5.00	5.40		ug/L		108	80 - 120
2-Butanone	37.5	41.0		ug/L		109	59 - 141
1,1,2-Trichloroethane	5.00	5.23		ug/L		105	80 - 120
Trichloroethene	5.00	4.99		ug/L		100	80 - 120
1,1,2,2-Tetrachloroethane	5.00	5.25		ug/L		105	75 - 123
1,2,3-Trichlorobenzene	5.00	5.12		ug/L		102	68 - 125
1,2-Dichlorobenzene	5.00	5.18		ug/L		104	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	5.05		ug/L		101	56 - 148
Isopropylbenzene	5.00	5.06		ug/L		101	80 - 120
t-Butyl alcohol	50.0	40.7		ug/L		81	62 - 138
Hexachlorobutadiene	5.00	5.27		ug/L		105	72 - 132
n-Butylbenzene	5.00	5.13		ug/L		103	74 - 123
1,2,4-Trimethylbenzene	5.00	4.95		ug/L		99	80 - 120
2-Chlorotoluene	5.00	5.06		ug/L		101	80 - 120
Dibromomethane	5.00	5.08		ug/L		102	80 - 122
1,1-Dichloropropene	5.00	5.01		ug/L		100	74 - 120
Naphthalene	5.00	4.98		ug/L		100	64 - 122
4-Chlorotoluene	5.00	5.08		ug/L		102	80 - 120
Bromobenzene	5.00	5.21		ug/L		104	80 - 120
1,1,1,2-Tetrachloroethane	5.00	4.83		ug/L		97	71 - 134
sec-Butylbenzene	5.00	5.15		ug/L		103	80 - 120
2,2-Dichloropropane	5.00	4.71		ug/L		94	61 - 141
N-Propylbenzene	5.00	5.26		ug/L		105	74 - 122
Ethyl t-butyl ether	5.00	4.78		ug/L		96	57 - 126
di-Isopropyl ether	5.00	5.10		ug/L		102	58 - 131
p-Isopropyltoluene	5.00	5.09		ug/L		102	80 - 120
t-Amyl methyl ether	5.00	4.89		ug/L		98	65 - 125
1,2,3-Trichloropropane	5.00	5.22		ug/L		104	80 - 125
1,3,5-Trimethylbenzene	5.00	5.08		ug/L		102	80 - 120
tert-Butylbenzene	5.00	4.91		ug/L		98	79 - 120
1,3-Dichloropropane	5.00	5.21		ug/L		104	80 - 120

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

Lab Sample ID: LCS 410-20265/4
Matrix: Water
Analysis Batch: 20265

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Association Summary

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

Job ID: 410-5572-1

GC/MS VOA

Analysis Batch: 19483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5572-1	MW-1A (200623)	Total/NA	Groundwater	8260C LL	
410-5572-2	MW-2A (200623)	Total/NA	Groundwater	8260C LL	
410-5572-2 - DL	MW-2A (200623)	Total/NA	Groundwater	8260C LL	
410-5572-3	MW-3A (200623)	Total/NA	Groundwater	8260C LL	
410-5572-4	MW-5A (200623)	Total/NA	Groundwater	8260C LL	
410-5572-4 - DL	MW-5A (200623)	Total/NA	Groundwater	8260C LL	
410-5572-5	MW-8 (200623)	Total/NA	Groundwater	8260C LL	
410-5572-6	MW-10 (200623)	Total/NA	Groundwater	8260C LL	
410-5572-7	MW-11 (200623)	Total/NA	Groundwater	8260C LL	
410-5572-8	DUP-01 (200623)	Total/NA	Groundwater	8260C LL	
410-5572-8 - DL	DUP-01 (200623)	Total/NA	Groundwater	8260C LL	
410-5572-9	RB-01 (200623)	Total/NA	Water	8260C LL	
410-5572-10	Trip Blank (200623)	Total/NA	Water	8260C LL	
MB 410-19483/6	Method Blank	Total/NA	Water	8260C LL	
LCS 410-19483/4	Lab Control Sample	Total/NA	Water	8260C LL	
410-5572-4 MS	MW-5A (200623)	Total/NA	Groundwater	8260C LL	
410-5572-4 MSD	MW-5A (200623)	Total/NA	Groundwater	8260C LL	

Analysis Batch: 20257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5572-1 - DL	MW-1A (200623)	Total/NA	Groundwater	8260C LL	
410-5572-2 - DL2	MW-2A (200623)	Total/NA	Groundwater	8260C LL	
MB 410-20257/6	Method Blank	Total/NA	Water	8260C LL	
LCS 410-20257/4	Lab Control Sample	Total/NA	Water	8260C LL	

Analysis Batch: 20265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5572-4 - DL2	MW-5A (200623)	Total/NA	Groundwater	8260C LL	
410-5572-8 - DL2	DUP-01 (200623)	Total/NA	Groundwater	8260C LL	
MB 410-20265/6	Method Blank	Total/NA	Water	8260C LL	
LCS 410-20265/4	Lab Control Sample	Total/NA	Water	8260C LL	

Lab Chronicle

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

Job ID: 410-5572-1

Client Sample ID: MW-1A (200623)
Date Collected: 06/23/20 11:45
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-1
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL	DL	200	20257	07/08/20 18:56	UCB5	ELLE
Total/NA	Analysis	8260C LL		20	19483	07/06/20 17:10	UCB5	ELLE

Client Sample ID: MW-2A (200623)
Date Collected: 06/23/20 11:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-2
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL	DL2	500	20257	07/08/20 19:18	UCB5	ELLE
Total/NA	Analysis	8260C LL		5	19483	07/06/20 17:31	UCB5	ELLE
Total/NA	Analysis	8260C LL	DL	50	19483	07/06/20 17:52	UCB5	ELLE

Client Sample ID: MW-3A (200623)
Date Collected: 06/23/20 10:20
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-3
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	19483	07/06/20 13:17	UCB5	ELLE

Client Sample ID: MW-5A (200623)
Date Collected: 06/23/20 09:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-4
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		5	19483	07/06/20 18:14	UCB5	ELLE
Total/NA	Analysis	8260C LL	DL	50	19483	07/06/20 19:18	UCB5	ELLE
Total/NA	Analysis	8260C LL	DL2	500	20265	07/08/20 19:13	UCB5	ELLE

Client Sample ID: MW-8 (200623)
Date Collected: 06/23/20 09:45
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-5
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	19483	07/06/20 13:38	UCB5	ELLE

Client Sample ID: MW-10 (200623)
Date Collected: 06/23/20 12:45
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-6
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	19483	07/06/20 13:59	UCB5	ELLE

Lab Chronicle

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

Job ID: 410-5572-1

Client Sample ID: MW-11 (200623)
Date Collected: 06/23/20 12:20
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-7
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	19483	07/06/20 14:21	UCB5	ELLE

Client Sample ID: DUP-01 (200623)
Date Collected: 06/23/20 09:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-8
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		5	19483	07/06/20 19:39	UCB5	ELLE
Total/NA	Analysis	8260C LL	DL	50	19483	07/06/20 20:00	UCB5	ELLE
Total/NA	Analysis	8260C LL	DL2	500	20265	07/08/20 19:55	UCB5	ELLE

Client Sample ID: RB-01 (200623)
Date Collected: 06/23/20 09:10
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	19483	07/06/20 11:10	UCB5	ELLE

Client Sample ID: Trip Blank (200623)
Date Collected: 06/23/20 00:00
Date Received: 06/24/20 16:15

Lab Sample ID: 410-5572-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	19483	07/06/20 11:31	UCB5	ELLE

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 410-5572-1

Laboratory: Eurofins Lancaster Laboratories Env, 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	09-30-20

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 Env, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	09-30-20
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	
8260C LL	Water	4-Chlorotoluene	
8260C LL	Water	4-Methyl-2-pentanone	

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	09-30-20
8260C LL	Water	Acetone	
8260C LL	Water	Benzene	
8260C LL	Water	Bromobenzene	
8260C LL	Water	Bromochloromethane	
8260C LL	Water	Bromodichloromethane	
8260C LL	Water	Bromoform	
8260C LL	Water	Bromomethane	
8260C LL	Water	Carbon disulfide	
8260C LL	Water	Carbon tetrachloride	
8260C LL	Water	Chlorobenzene	
8260C LL	Water	Chloroethane	
8260C LL	Water	Chloroform	
8260C LL	Water	Chloromethane	
8260C LL	Water	cis-1,2-Dichloroethene	
8260C LL	Water	cis-1,3-Dichloropropene	
8260C LL	Water	Dibromochloromethane	
8260C LL	Water	Dibromomethane	
8260C LL	Water	Dichlorodifluoromethane	
8260C LL	Water	di-Isopropyl ether	
8260C LL	Water	Ethyl t-butyl ether	
8260C LL	Water	Ethylbenzene	
8260C LL	Water	Hexachlorobutadiene	
8260C LL	Water	Isopropylbenzene	
8260C LL	Water	Methyl tertiary butyl ether	
8260C LL	Water	Methylene Chloride	
8260C LL	Water	Naphthalene	
8260C LL	Water	n-Butylbenzene	
8260C LL	Water	N-Propylbenzene	
8260C LL	Water	p-Isopropyltoluene	
8260C LL	Water	sec-Butylbenzene	
8260C LL	Water	Styrene	
8260C LL	Water	t-Amyl methyl ether	
8260C LL	Water	t-Butyl alcohol	
8260C LL	Water	tert-Butylbenzene	
8260C LL	Water	Tetrachloroethene	
8260C LL	Water	Toluene	
8260C LL	Water	trans-1,2-Dichloroethene	
8260C LL	Water	trans-1,3-Dichloropropene	
8260C LL	Water	Trichloroethene	
8260C LL	Water	Trichlorofluoromethane	
8260C LL	Water	Vinyl chloride	
8260C LL	Water	Xylenes, Total	

Method Summary

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

Job ID: 410-5572-1

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

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, 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: 410-5572-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-5572-1	MW-1A (200623)	Groundwater	06/23/20 11:45	06/24/20 16:15	
410-5572-2	MW-2A (200623)	Groundwater	06/23/20 11:00	06/24/20 16:15	
410-5572-3	MW-3A (200623)	Groundwater	06/23/20 10:20	06/24/20 16:15	
410-5572-4	MW-5A (200623)	Groundwater	06/23/20 09:00	06/24/20 16:15	
410-5572-5	MW-8 (200623)	Groundwater	06/23/20 09:45	06/24/20 16:15	
410-5572-6	MW-10 (200623)	Groundwater	06/23/20 12:45	06/24/20 16:15	
410-5572-7	MW-11 (200623)	Groundwater	06/23/20 12:20	06/24/20 16:15	
410-5572-8	DUP-01 (200623)	Groundwater	06/23/20 09:00	06/24/20 16:15	
410-5572-9	RB-01 (200623)	Water	06/23/20 09:10	06/24/20 16:15	
410-5572-10	Trip Blank (200623)	Water	06/23/20 00:00	06/24/20 16:15	

Copy: Nicholle Griffith nicholle.griffith@arcadis.com & Ray Wagner ray.wagner@arcadis.com

ExxonM[illegible]uest/Chain of Custody

eurofins | Lancaster Laboratories Environmental

410-5572 Chain of Custody

Acct. # ___ File # ___

Consultant Company: Arcadis			
Site Address: 285 Old Bayview Rd	Site ID #: 14489		
Consultant PM: Ray Wagner	P.O. #: 30007698		
Sampler: Andy Feild	XOM PM:		
Bill to: ☐ XOM ☐ Consultant	Contract # A2604415		
State where samples were collected: MD	For Compliance: Yes ☑ No ☐		

For Lab Use Only
SF #: ___
SCR #: 260737

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; F = Field Filtered; O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	Sediment	Tissue	Potable	Ground	Surface	Water	NPDES	Other:	Total # of Containers	~~Full list VOCs~~ 5042	Full list VOCs + Oxys 8260	Remarks
MW-1A (200623)	6-23-20	~~1100~~	G							☑	GW			3	3		1145 = time
MW-2A (200623)		1100															
MW-3A (200623)		1020															
MW-5A (200623)		0900															
MW-8 (200623)		0945															
MW-10 (200623)		1245															
MW-11 (200623)		1220															
DUP-01 (200623)		0900															
RB-01 (200623)	6-23-20	0910	G								GW			3	3		
Trip Blank	—	-												2	2		

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

RUSH (Please circle one): 5 day 4 day 72 hour 48 hour 24 hour

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐
Type III (Reduced non-CLP/NJ Reduced) ☐
TX TRRP-13 ☐
NJ DKQP ☐
NYSDEC Category ☐ A ☐ B

OTHER ___

EDD Format(s) Needed: Locus Simplified

Relinquished by:	Date	Time	Received by:	Date	Time
			[signature]	6-24-20	13:30
Relinquished by: [signature]	6-24-20	1558	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: W Mathus	6/24/20	1615

Relinquished by Commercial Carrier:
UPS ___ FedEx ___ Other ___

Temperature upon receipt 0.7 °C

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300
The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7053 1017

7/22/2020

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 410-5572-1

Login Number: 5572
List Number: 1
Creator: Mathers, William

List Source: Eurofins Lancaster Laboratories Env

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	

Arcadis U.S., Inc.

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Bluefield, Virginia 24605

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