

GROUNDWATER MONITORING REPORT JULY THROUGH DECEMBER 2020

National Grid Former Albion MGP Site Albion, New York

Prepared for:

National Grid 300 Erie Blvd West Syracuse, New York 13202

Prepared by:

Wood Environment & Infrastructure Solutions, Inc. 180 Grand Avenue, Suite 1100 Oakland, California 94612

November 2020

Project No. 0078000050.03.2B





Wood Environment & Infrastructure Solutions, Inc. 180 Grand Avenue, Suite 1100 Oakland, California 94612-3066 USA

T: (510) 663-4100 F: (510) 663-4141

www.woodplc.com

November 10, 2020

Project 0078000050.03.02B

Mr. Michael Squire Assistant Engineer New York State Department of Environmental Conservation 625 Broadway Albany, NY 12233

Subject: Groundwater Monitoring Report—July Through December 2020 National Grid Former Albion MGP Site Albion, New York Case #837012

Dear Mr. Squire:

Wood Environment & Infrastructure Solutions, Inc., is submitting the subject report on behalf of our client, National Grid. This report presents the results of monitoring activities conducted during the period from July through December 2020.

Please contact either of the undersigned if you have any questions or require additional information.

Sincerely, Wood Environment & Infrastructure Solutions, Inc.

Alex Rosenthal Qualified Environmental Professional/Senior Hydrogeologist Direct Tel.: (510) 663-4152 E-mail: alex.rosenthal@woodplc.com

Louglos C. Bablitch Douglas Bablitch

Douglas Bablitch Qualified Environmental Professional/Principal Engineer Direct Tel.: (510) 663-4159 E-mail: douglas.bablitch@woodplc.com

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Enclosure



Mr. Michael Squire New York State Department of Environmental Conservation November 10, 2020 Page 2

cc: Brian Stearns - National Grid Steve Stucker - National Grid Devin Shay - Groundwater & Environmental Services, Inc.





TABLE OF CONTENTS

Page

1.0	INTRO 1.1	DUCTION Background	
2.0	GROUI 2.1	NDWATER MONITORING	
	2.2 2.3	GROUNDWATER SAMPLING AND ANALYSIS INVESTIGATION DERIVED WASTE	
3.0	RESUL ⁻ 3.1 3.2	TS Occurrence and Movement of Groundwater Groundwater Analytical Results	4
4.0	DATA	QUALITY REVIEW	5
5.0	SITE IN	ISPECTION	6
6.0	PLANN	IED ACTIVITIES	7
7.0	REFERE	ENCES	7

TABLES

Table 1	Groundwater Monitoring Program
Table 2	Groundwater Elevations, September 2020
Table 3	Groundwater Analytical Results – Volatile Organic Compounds, September 2020
Table 4	Groundwater Analytical Results – Polycyclic Aromatic Hydrocarbons, September 2020
Table 5	Groundwater Analytical Results – Total Cyanide, September 2020
Table 6	Precision Data Summary

FIGURES

Figure 1	Site Vicinity Map	
Figure 2	Site Plan	

- Figure 2 Figure 3 Potentiometric Surface Map, September 2020 Groundwater Analytical Results, September 20
- Figure 4 Groundwater Analytical Results, September 2020



APPENDICES

- Appendix A Groundwater Sampling Records
- Appendix B Analytical Laboratory Report
- Appendix C Soil Cap Inspection Form



GROUNDWATER MONITORING REPORT JULY THROUGH DECEMBER 2020

National Grid Former Albion MGP Site Albion, New York

1.0 INTRODUCTION

This report summarizes groundwater monitoring and sampling activities performed by Wood Environment & Infrastructure Solutions, Inc. ("Wood"), on behalf of National Grid Corporation ("National Grid"), during the period from July through December 2020 ("reporting period") at the Former Albion Manufactured Gas Plant (MGP), Site Identification Number 837012, in Albion, New York (the site; Figure 1). Groundwater monitoring and sampling activities were performed in accordance with the *Monitoring and Sampling Plan* (Wood, 2018), as summarized in Table 1.

This is the first sampling event at the site since November 2019. Due to safety regulations stemming from the on-going COVID-19 pandemic and with agreement from the New York State Department of Environmental Conservation (NYSDEC), semiannual sampling was not completed during the January through June 2020 reporting period. Sampling will continue on a semiannual basis, with the next sampling event taking place during the reporting period of January through June 2021.

Activities performed at the site during the reporting period include the following:

- Collection of depth to groundwater measurements and groundwater samples; and
- Inspection of the site Engineering Control (i.e. soil cap) and Institutional Controls (i.e. land use).

Depth to groundwater measurement and sampling procedures are described in Section 2, and groundwater monitoring results are provided in Section 3. A quality assurance/quality control (QA/QC) assessment of the groundwater data is provided in Section 4. Results of the inspection of the site Engineering Control and Institutional Controls are described in Section 5. Project activities planned for the next monitoring period are outlined in Section 6.

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1.1 BACKGROUND

The site consists of two adjoining parcels totaling approximately 0.5 acres formerly occupied by a single MGP that is bounded by the New York State Erie Barge Canal to the north, East Bank Street and a commercial property to the south, Ingersoll Street to the east, and a park and commercial property to the west (Figure 2). The western parcel (0.3 acres) is currently owned by National Grid, which maintains an active electrical substation on the property; previous environmental investigations did not identify environmental conditions requiring remediation. The eastern parcel (0.2 acres), which is currently owned by New York State Electric and Gas Corporation (NYSEG), has been remediated to commercial use and is currently vacant and undeveloped.

Niagara Mohawk Power Corporation (doing business as National Grid) entered an Order of Consent in November 2003 with the NYSDEC to remediate soil and groundwater at the site, which have been impacted by historical MGP operations. The contaminants of concern (COCs) identified at the site, as listed in the Record of Decision (NYSDEC, 2010a) are: benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX); polycyclic aromatic hydrocarbons (PAHs) acenaphthene, benzo(a)pyrene, benzo(b)fluoranthene, benzo[k]fluoranthene, chrysene, fluorene, and indeno(1,2,3-cd)pyrene; and cyanide. In 2012, Engineering Controls were constructed at the eastern parcel including remedial excavation of the upper two feet of impacted surficial soil and construction of a soil cap system consisting of 18 inches of clean soil underlain by a demarcation layer to delineate clean soil from historical fill.

In addition to Engineering Controls, Institutional Controls including a site-wide Site Management Plan (SMP) and Environmental Easement are part of the site remedy to control exposure to remaining contamination and to maintain protection of public health and the environment. The *Monitoring and Sampling Plan* will ultimately be incorporated with the site wide SMP, which is currently under development, to conduct post-remediation monitoring to assess the performance and effectiveness of the remedy.

2.0 GROUNDWATER MONITORING

This section describes groundwater monitoring activities performed by Wood during the reporting period. The groundwater monitoring program, including wells and their monitoring and sampling frequencies, is summarized in Table 1. Figure 2 shows the locations of



groundwater monitoring wells at the site. Appendix A includes the logs on which field data were recorded.

2.1 WATER LEVEL MEASUREMENTS

Depth to water measurements at site monitoring wells were measured on September 22, 2020, prior to sampling of the wells (Table 2). Depth to groundwater was measured with an electronic water level sounder from a surveyed reference point marked on the top of each well casing, and measurements were recorded to the nearest 0.01 foot. The water level in the Erie Canal, which boarders the Site to the north, was observed to provide an estimate of current the canal stage. Depth to the canal water surface was measured from a dedicated, non-surveyed point selected and recorded by field personnel to monitor surface water levels. The sounder was decontaminated between measurement locations by rinsing with an anionic detergent/distilled water mixture, followed by a distilled water rinse.

2.2 **GROUNDWATER SAMPLING AND ANALYSIS**

Groundwater samples were collected on September 22 and 23, 2020 in accordance with *Monitoring and Sampling Plan.* Monitoring wells were purged using low-flow sampling techniques prior to sampling using a peristaltic pump. Water quality parameters, including temperature, pH, specific conductance, oxidation-reduction potential, and dissolved oxygen were measured periodically during purging and were recorded on the sampling records. Samples were collected when parameter measurements changed less than 10 percent between three sequential measurements. Sampling records are provided in Appendix A.

Groundwater samples were collected into laboratory-provided sample containers immediately following purging. The sample containers were immediately labeled with the project number, well number, date, time, and analyses requested, stored in an ice-cooled chest, and shipped to the analytical laboratory under Wood chain-of-custody procedures.

One blind field duplicate, one trip blank, and one equipment blank were collected for quality control purposes. These quality control samples were stored and delivered to the lab with the primary samples and were analyzed for the same parameters.

Eurofins TestAmerica Laboratories, Inc., of Amherst, New York, analyzed the samples for BTEX using United States Environmental Protection Agency (U.S. EPA) Method 8260B and the U.S. EPA 16-PAH list of polycyclic aromatic hydrocarbons (PAHs) using U.S. EPA Method 8270D. The



samples were analyzed for total cyanide by Eurofins TestAmerica of North Canton, Ohio, using Standard Method SM4500-CN-C/E. Both laboratories are accredited under the National Environmental Laboratory Accreditation Program.

2.3 INVESTIGATION DERIVED WASTE

Groundwater purged from the monitoring wells was stored in a Department of Transportationapproved 55-gallon steel drum pending waste profiling. Following laboratory analysis and profiling, the investigation derived waste was disposed of at an off-site, permitted facility in accordance with state and federal regulations.

3.0 RESULTS

This section presents the results from the groundwater monitoring activities, including groundwater elevation measurement and analytical testing.

3.1 OCCURRENCE AND MOVEMENT OF GROUNDWATER

Measurements from the monitoring wells were used to evaluate the occurrence and movement of groundwater at the site.

On September 22, 2020, measured groundwater elevations in monitoring wells ranged from 6.39 (MW-6) to 13.93 feet (MW-9R). Depth to water measurements and water level elevations are summarized in Table 2. All elevations referenced are relative to the North American Vertical Datum 1988.

Figure 3 presents the potentiometric surface map for the water levels measured in the monitoring wells in September 2020. The potentiometric surface map indicates that groundwater flow is generally toward the southeast across the site. The horizontal gradient was approximately 0.030 foot per foot (ft/ft) in September 2020.

The surface water in the Erie Canal was 3.53 feet beneath the measuring point on September 22, 2020. This is the first event during which a depth to water was recorded for the Erie Canal. The depth to water in the canal will be measured during future events at the same location.



3.2 **GROUNDWATER ANALYTICAL RESULTS**

Groundwater samples were collected from six monitoring wells for BTEX, PAH, and total cyanide analysis on September 22 and 23, 2020. Groundwater evaluation criteria are the Ambient Water Quality Standards and Guidance Values (Technical & Operational Guidance Series 1.1.1, Division of Water 1998). Groundwater results are compared to the Standard Values (or Guidance Values, where Standard Values are not available) for groundwater as a drinking water source. Copies of laboratory reports are included in Appendix B. Analytical results and evaluation criteria for BTEX, PAHs, and total cyanide are presented in Table 3, Table 4, and Table 5, respectively, and on Figure 4. Compounds that were detected at concentrations exceeding their respective evaluation criteria are summarized below:

- Benzene (MW-5, MW-8R, MW-10R)
- Ethylbenzene (MW-5 and MW-8R)
- Xylenes (MW-8R)
- Acenaphthene (MW-1, MW-5 and MW-8R)
- Naphthalene (MW-1, MW-5, and MW-8R)
- Toluene (MW-8R)
- Total cyanide (MW-5)

Groundwater results from September 2020 are generally consistent with those from the most recent sampling event (November 2019), with the exception of BTEX compounds in well MW-8R, which were detected at concentrations two orders of magnitude greater than those from the November 2019 sampling event. However, the concentrations of BTEX compounds in MW-8R are within the range of historical concentrations at this well (AMEC Geomatrix, Inc., 2010).

4.0 DATA QUALITY REVIEW

Analytical data (Appendix B) were reviewed by the laboratory and by Wood. Consistent with the DER-10 Section 2.2 (NYSDEC, 2010b), this report meets the submittal requirements for a Category A data deliverable. The data quality review included accuracy and precision assessments for the samples collected in September 2020. Consistent with the Quality Assurance Project Plan included in the Monitoring and Sampling Plan, the data quality review was performed in accordance with the procedures specified in the U.S. EPA National Functional

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Guidelines for Superfund Inorganic Methods Data Review (U.S. EPA, 2017a) and the U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review (U.S. EPA, 2017b). Results of the data validation and precision assessment indicate the following:

- Analytical accuracy was evaluated by reviewing laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries and matrix spike/matrix spike duplicate (MS/MSD) recoveries (recoveries of spiked compounds expressed as a percentage of the true concentrations). Surrogate recoveries, holding times, and field and laboratory blank results for samples collected in September 2020 were also used to assess accuracy. No QC issues requiring data qualifiers were identified for the laboratory and field QC samples, except for the recovery of one surrogate in sample MW-10R which was detected outside of control limits leading to a "J+" gualification on associated parameters for this sample (indicating that the reported concentration may be biased high). Results for several analytes in multiple samples were qualified "J," indicating that the analyte was positively detected in the sample, but that the reported result is approximate because it was detected at a concentration below the reporting limit but above the method detection limit. Phenanthrene was detected in one of the laboratory method blanks, causing the phenanthrene results for MW-5 and its duplicate to be qualified with a "J+" flag. Additionally, phenanthrene was detected in the MW-8R and MW-10R samples at concentrations between their respective reporting limits and the method detection limits; these results were qualified as non-detect at the reporting limit with a "U" flag.
- Data precision was evaluated by comparing analytical results from duplicate pairs and evaluating the calculated RPDs between primary and blind field duplicate samples. The calculated RPD for the blind field duplicate sample collected from MW-5 were within acceptable limits (i.e. less than the project acceptance criterion of 30% for organics and 20% for inorganics). A summary of the data precision evaluation is included on Table 6.

Based upon the data quality review, the September 2020 results are considered valid and usable. The data are acceptable and can be used for decision-making purposes. Data completeness (the number of successful analyses relative to the number of requested analyses) was 100 percent for samples collected in September 2020.

5.0 SITE INSPECTION

During the semiannual groundwater sampling event, Wood field personnel performed a visual assessment of the soil cap in order to evaluate changes due to erosion, land use, construction,



or other factors that may indicate a physical change in the soil cap. Observations were recorded on a "Soil Cap Inspection Form" (Appendix C).

The visual inspections did not indicate any damage to the physical integrity of the soil cap. the need for any repairs or maintenance, or changes to the land use.

6.0 PLANNED ACTIVITIES

The following activities are planned for the monitoring period of January to June 2021:

- The first 2021 semiannual groundwater monitoring event, which will include collection of depth to groundwater measurements and groundwater samples in accordance with the NYSDEC-approved groundwater monitoring program, will be performed.
- The first 2021 semiannual groundwater monitoring report will be submitted to the NYSDEC following the completion of groundwater monitoring and evaluation activities.

7.0 REFERENCES

- AMEC Geomatrix, Inc., 2010. Feasibility Study Report, Albion Former Manufactured Gas Plant Site, Site No: 8-37-012, Orleans County, Albion, New York. February.
- Division of Water 1998. Technical and Operational Guidance Series (TOGS) 1.1.1. June. Available at <u>https://www.dec.ny.gov/docs/water_pdf/togs111.pdf</u>
- NYSDEC, 2010a. Record of Decision. NM-Albion MGP State Superfund Project, Albion, Orleans County Site No.:837013. March.
- NYSDEC, 2010b. DER-10: Technical Guidance for Site Investigation and Remediation. May 3. Available at <u>https://www.dec.ny.gov/docs/remediation_hudson_pdf/der10.pdf</u>
- U.S. Environmental Protection Agency, 2017a. National Functional Guidelines for Superfund Inorganic Methods Data Review: OLEM 9355.0-135, EPA 540-R-2017-001, January.
- U.S. Environmental Protection Agency, 2017b. National Functional Guidelines for Superfund Organic Methods Data Review: OLEM 9355.0-134, EPA 540-R-2017-002, January.
- Wood Environment & Infrastructure Solutions, Inc. ("Wood"), 2018. Monitoring and Sampling Plan, National Grid Former Albion MGP Site, Albion, New York, December 21.







GROUNDWATER MONITORING PROGRAM

Former Albion MGP Site Albion, New York

Well ID	Water Level Monitoring Schedule	Water Quality Monitoring Schedule	Laboratory Analysis
MW-1			
MW-5		Semiannual	
MW-6	Semiannual		BTEX by U.S. EPA 8260B, PAHs by U.S. EPA
MW-8R	Semiannuai		8270D, Total Cyanide by SM4500-CN-C/E
MW-9R			
MW-10R			

Abbreviations

BTEX = benzene, toluene, ethylbenzene, xylenes

PAHs = polycyclic aromatic hydrocarbons

U.S. EPA = United States Environmental Protection Agency

GROUNDWATER ELEVATIONS SEPTEMBER 2020

Former Albion MGP Site Albion, New York

Well ID	Well Location	Date Measured	Measuring Point Elevation (NAVD 88)	Depth Below Measuring Point (feet)	Groundwater Elevation (NAVD 88)
MW-1	Up-gradient	9/22/2020	515.04	6.74	508.30
MW-5	On-site	9/22/2020	513.14	7.55	505.59
MW-6	On-site	9/22/2020	510.74	6.39	504.35
MW-8R	On-site	9/22/2020	515.53	11.67	503.86
MW-9R	Down-gradient	9/22/2020	514.70	13.93	500.77
MW-10R	Down-gradient	9/22/2020	515.81	12.75	503.06

<u>Notes</u>

 Wells were surveyed by Costich Engineering, Land Surveying & Landscape Architecture D.P.C. (Costich Engineering), a New York-licensed land surveyor in June 2018. Monitoring well MW-9R was surveyed on November 11, 2019 by Costich Engineering. Water elevations are relative to the North American Vertical Datum 1988 (NAVD 88).

Abbreviations

NAVD 88 = North American Vertical Datum of 1988

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TABLE 3

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS ^{1,2} SEPTEMBER 2020

Former Albion MGP Site

Albion, New York

Results in micrograms per liter (µg/L)

Well ID	Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	m-Xylene & p-Xylene	o-Xylene	Xylenes, Total	Total BTEX
MW-1	MW-1-111919	11/19/2019	<1.0 ³	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0
	MW-1-20200922	9/22/2020	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0
MW-5	MW-5-111919/DUP	11/19/2019	23 / 23	4.0 / 4.1	13 / 12	9.1 / 8.6	12 /11	21 / 20	61 / 59
	MW-5-20200922/DUP	9/22/2020	42 / 42	4.2 / 4.5	8.7 / 9.4	3.4 / 3.4	5.3 / 5.7	8.7 / 9.1	64 / 65
MW-6	MW-6-112019	11/20/2019	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0
10100-0	MW-6-20200923	9/23/2020	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0
MW-8R	MW-8R-112019	11/20/2019	49	2.6	3.7	12	5.7	18	73
	MW-8R-20200923	9/23/2020	4,900	160	380	1,600	520	2,100	7,600
MW-9R	MW-9R-112019	11/20/2019	<1.0	0.57 J	<1.0	<2.0	<1.0	<2.0	<2.0
	MW-9R-20200923	9/23/2020	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0
MW-10R	MW-10-111919	11/19/2019	14	<1.0	<1.0	<2.0	<1.0	<2.0	14
	MW-10R-20200922	9/22/2020	24	<1.0	<1.0	0.95 J	<1.0	0.95 J	25
Ambie	nt Water Quality Standard	s and Guidance Values ⁴	1	5	5	5	5	5	



GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS ^{1,2} SEPTEMBER 2020

Former Albion MGP Site Albion, New York

<u>Notes</u>

- 1. Only detected compounds are presented. Detections are shown in **bold.** Highlighted cells indicate the concentration exceeds the respective screening criteria.
- 2. Samples analyzed for VOCs in accordance with U.S. EPA Methods 8260B by Eurofins TestAmerica of Buffalo, New York.
- 3. "<" indicates constituent was not detected at a concentration equal to or greater than the laboratory reporting limit shown.
- 4. Division of Water 1998. Technical and Operational Guidance Series 1.1.1. June. Groundwater Standard Values for groundwater as a drinking source are shown where available; Guidance Values are shown where no Standard Value is available. Available at: https://www.dec.ny.gov/docs/water_pdf/togs111.pdf

Abbreviations

- -- = not applicable
- μ g/L = micrograms per liter
- BTEX = benzene, toluene, ethylbenzene, and xylenes
- DUP = field duplicate sample
- U.S. EPA = United States Environmental Protection Agency
- J = the analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit.
- VOCs = volatile organic compounds

GROUNDWATER ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS ^{1,2} SEPTEMBER 2020

SEPTEINIBER 2020

Former Albion MGP Site

Albion, New York

Results in micrograms per liter (µg/L)

Well ID	Sample ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo[g,h,i]perylene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	Naphthalene
MW-1	MW-1-111919	11/19/2019	< 5.0 ³	< 5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	<5.0	<5.0
	MW-1-20200922	9/22/2020	24 J	20 J	5.8 J	<25	<25	<25	<25	<25	<25	<25	6.4 J	26	<25	32	4.2 J	14 J
MW-5	MW-5-111919/DUP	11/19/2019	34 / 38	33 / 36	6.2 / 6.4 J	<5.0 / <25	<5.0 / <25	<5.0 / <25	<5.0 / <25	<5.0 / <25	<5.0 / <25	<5.0 / <25	5.6 / 5.4 J	45 / 46	<5.0 / <25	23 / 23 J	3.1 J / 3.5 J	24 / 25
10100-5	MW-5-20200922/DUP	9/22/2020	22 J / 22 J	19 J / 19 J	6.0 J / 6.0 J	<25 /<25	<25 /<25	<25 /<25	<25 /<25	<25 /<25	<25 /<25	<25 /<25	6.2 J / 6.2 J	24 J / 24 J	<25 /<25	29 J+ / 29 J+	4.0 J / 4.0 J	13 J / 13 J
MW-6	MW-6-112019	11/20/2019	< 5.0	<5.0	< 5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	<5.0	<5.0
10100-0	MW-6-20200923	9/23/2020	< 5.0	<5.0	< 5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	<5.0	< 5.0	<5.0	<5.0
MW-8R	MW-8R-112019	11/20/2019	57	21 J	<25	<25	<25	<25	<25	<25	<25	<25	4.2 J	34	<25	33	2.1 J	900
	MW-8R-20200923	9/23/2020	95 J	8.1 J	7.6 J	<100	<100	<100	<100	<100	<100	<100	<100	41 J	<100	<100 U	<100	2,300
MW-9R	MW-9R-112019	11/20/2019	6.1 J+	0.38 J+	0.65 J+	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	3.0 J+	<5.0	2.8 J+	<5.0	50
10100-91	MW-9R-20200923	9/23/2020	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
MW-10R	MW-10-111919	11/19/2019	0.86 J	<5.0	< 5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.99 J
IVIVV-TUR	MW-10R-20200922	9/22/2020	1.0 J+	<5.0	< 5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0 U	<5.0	3.5 J+
Ambient \	Vater Quality Standards a	nd Guidance Values ⁴	20		50	0.002	0.002	0.002	0.002		0.002		50	50	0.002	50	50	10

<u>Notes</u>

1. Only detected compounds are presented. Detections are shown in **bold**. Highlighted cells indicate the concentration exceeds the respective screening criteria.

2. Samples analyzed for PAHs in accordance with U.S. EPA Method 8270D by Eurofins TestAmerica of Buffalo, New York.

3. "<" indicates constituent was not detected at a concentration equal to or greater than the laboratory reporting limit shown.

4. Division of Water 1998. Technical and Operational Guidance Series 1.1.1. June. Groundwater Standard Values for groundwater as a drinking source are shown where available; Guidance Values are shown where no Standard Value is available. Available at https://www.dec.ny.gov/docs/water_pdf/togs111.pdf

Abbreviations

-- = not applicable

 μ g/L = micrograms per liter

DUP = field duplicate sample

U.S. EPA = United States Environmental Protection Agency

J = the analyte detected at a concentration less than the reporting limit and greater than or equal to the method detection limit

J+ = the reported concentration may be estimated high

PAH = polycyclic aromatic hydrocarbons

U = The analyte was detected at a concentration below the reporting limit, but due to a detection of the compound in the associated laboratory method blank the detection is not considered valid

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GROUNDWATER ANALYTICAL RESULTS - TOTAL CYANIDE ^{1,2} SEPTEMBER 2020

Former Albion MGP Site

Albion, New York

Well ID	Sample ID	Sample Date	Cyanide, Total
MW-1	MW-1-111919	11/19/2019	0.098
17177-1	MW-1-20200922	9/22/2020	0.11
MW-5	MW-5-111919/DUP	11/19/2019	0.16 / 0.16
10100-5	MW-5-20200922/DUP	9/22/2020	0.21 / 0.22
MW-6	MW-6-112019	11/20/2019	0.041
10100-0	MW-6-20200923	9/23/2020	0.068
MW-8R	MW-8R-112019	11/20/2019	0.21
IVI VV-OK	MW-8R-20200923	9/23/2020	0.15
MW-9R	MW-9R-112019	11/20/2019	0.054
10100-31	MW-9R-20200923	9/23/2020	0.080
MW-10R	MW-10-111919	11/19/2019	0.010
IVIVV-IUK	MW-10R-20200922	0.030	
Ambie	ent Water Quality Standard	ds and Guidance Values ³	0.2

Results in milligrams per liter (mg/L)

<u>Notes</u>

- Only detected compounds are presented. Detections are shown in **bold**. Highlighted cells indicate the concentration exceeds the respective screening criteria.
- 2. Samples analyzed Total Cyanide in accordance with Standard Method 4500-CN-C/E by Eurofins TestAmerica of North Canton, Ohio.
- Division of Water 1998. Technical and Operational Guidance Series 1.1.1. June. Groundwater Standard Value for groundwater as a drinking source is shown. Available at https://www.dec.ny.gov/docs/water_pdf/togs111.pdf

Abbreviations

DUP = field duplicate mg/L = milligrams per liter

wood.

TABLE 6

PRECISION DATA SUMMARY

Former Albion MGP Site

Albion, New York

			Results reported	ed in (ug/L)					
				Primary	Sample	Duplicate	Sample		Absolute
Primary	Duplicate	Collection		Reporting	Sample	Reporting	Sample		Difference
Sample ID	Sample ID	Date	Compound ¹	Limit	Result	Limit	Result	RPD ²	Between
			Benzene	1.0	42	1.0	42	0.0	NA
			Toluene	1.0	4.2	1.0	4.5	6.9	NA
			Ethylbenzene	1.0	9	1.0	9	7.7	NA
			m-Xylene & p-Xylene	2.0	3.4	2.0	3.4	NA	0.00
			o-Xylene	1.0	5	1.0	6	7.3	NA
			Xylenes, Total	2.0	9	2.0	9	4.5	NA
			Total BTEX	2.0	64	2.0	65	1.6	NA
MW-5-	MW-50-	9/22/2020	Acenaphthene	25	22	25	24	NA	2.0
20200922	20200922	5/22/2020	Acenaphthylene	25	19	25	20	NA	1.0
			Anthracene	25	6.0	25	5.8	NA	0.2
			Fluoranthene	25	6.2	25	6.4	NA	0.2
			Fluorene	25	24	25	26	NA	2.0
			Naphthalene	25	13	25	14	NA	1.0
			Phenanthrene	25	29	25	32	NA	3.0
			Pyrene	25	4.0	25	4.2	NA	0.2
			Cyanide, Total	0.010	0.22	0.010	0.21	4.7	NA

Notes

1. Only compounds detected in at least one of the primary or duplicate samples are shown.

2. Relative Percent Difference (RPD) is calculated by:
$$RPD\% = \left|\frac{2(S_1 - S_2)}{S_1 + S_2}\right| \times 100$$

where S1 = primary sample concentration and S2 = duplicate sample concentration. Duplicate results are acceptable when the RPD between the results is less than 30% for **organics** or 20% for **inorganics**.

3. RPD is not applicable when one or both sample results are less than two times the reporting limit (RL) for **organics** or less than 5 times the RL for the **inorganics**. When the RPD is not applicable, duplicate results are acceptable when:

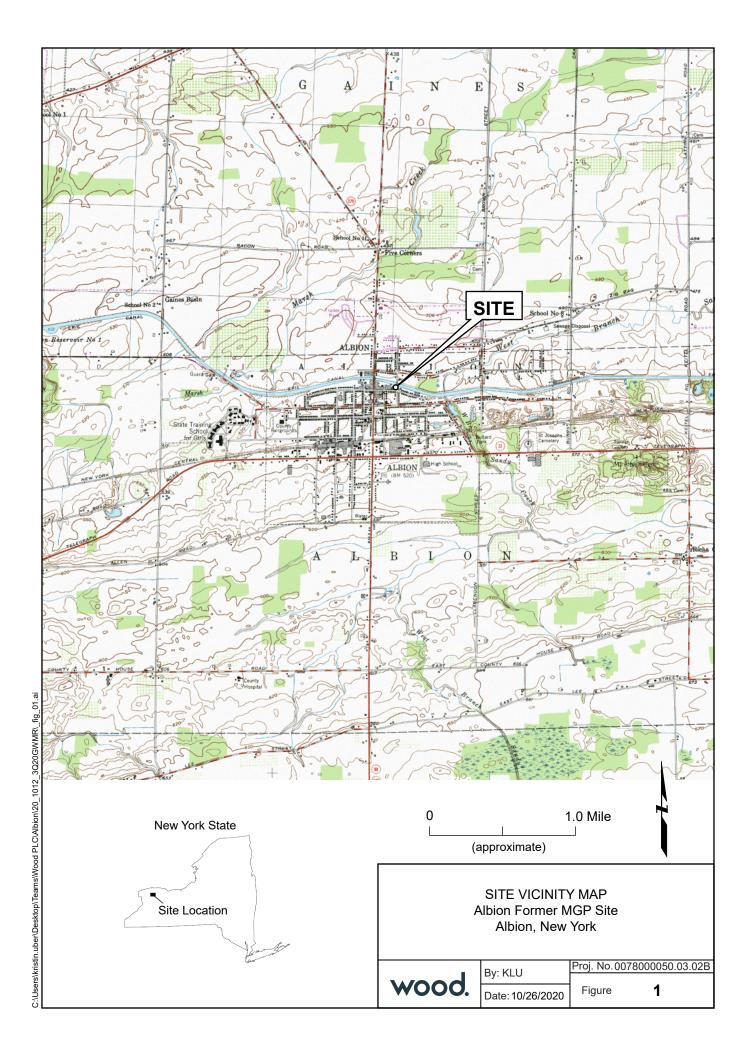
- both results are positive: the absolute difference between the results is less than the RL.

- one non-detection (ND) and one positive result: the absolute difference between the positive results and the reporting limit of the ND is less than the RL of the ND.



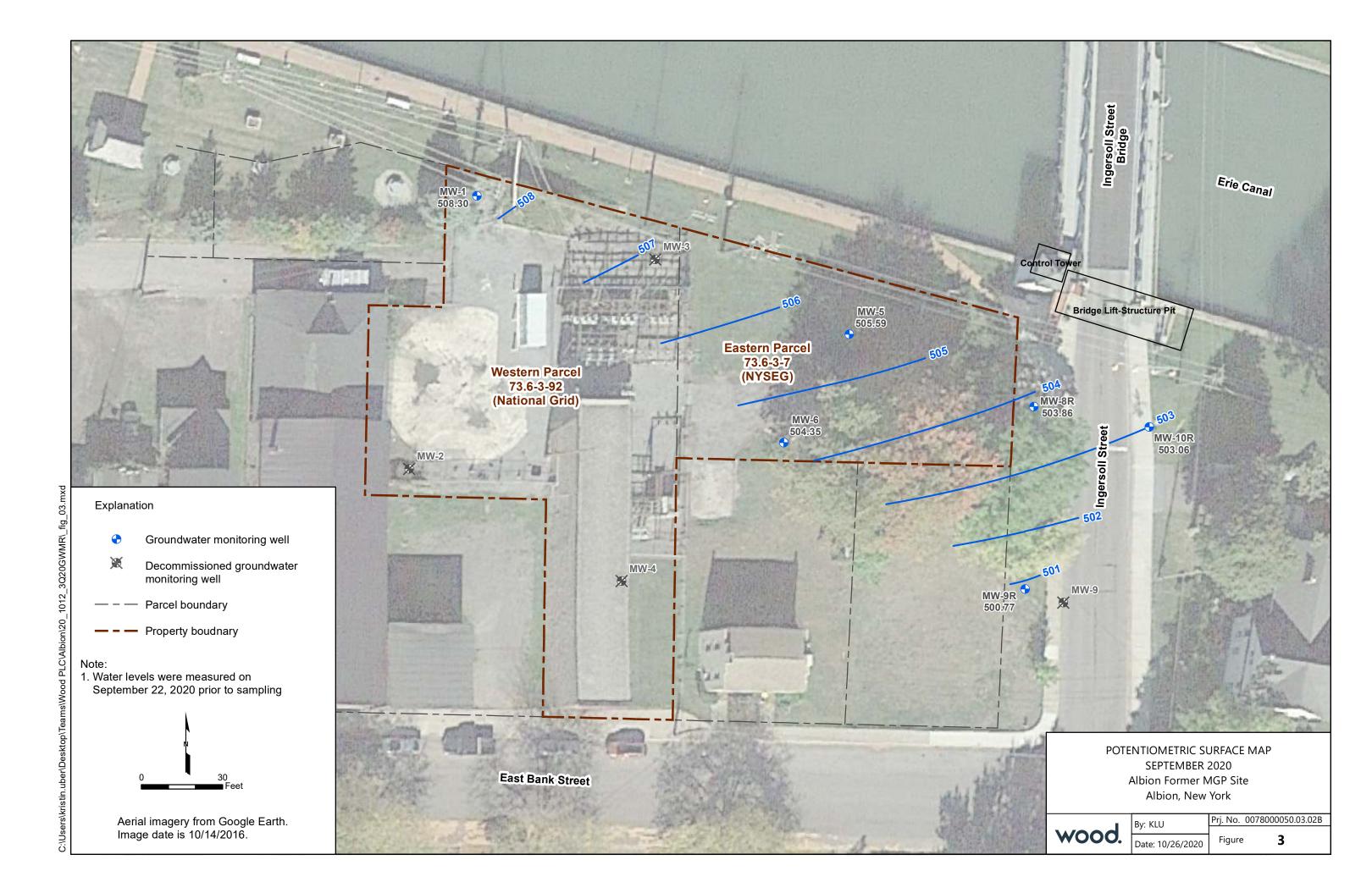
FIGURES

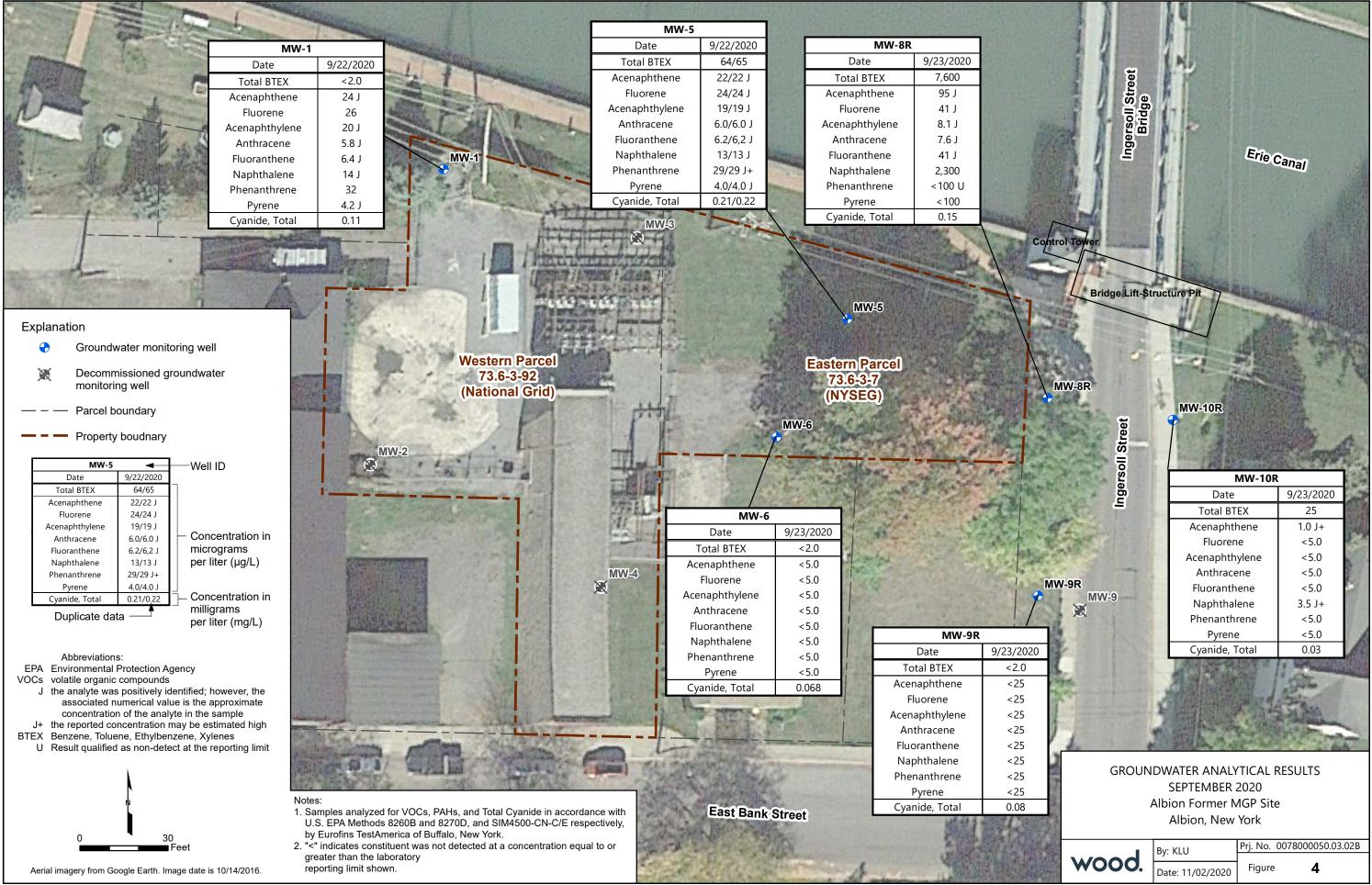






Bv: KLU	Prj. No.	0078000050.03.02B
Date: 10/26/2020	Figure	2





mxd



APPENDIX A

Groundwater Sampling Records



wood. Page 1 of Z.

DAILY FIELD RECORD

Project and	roject and Task Number: 007800050					Date: 9/22/	120						
Project Nan	ne:Nati	onal Grid S	iite "	837c	012	Weather: 70°	F. Sin	D¥ .					
Location:	Albios	, NY				Field Activity: 🎸	w S.	ampl	ind				
Recorded B		ha Lyons											
PERSONNE	EL:	Name				Company		Time In	Time Out				
Ameli	a Lyc	705			(ood	1200	1715					
		1895 - 1				-							
		×				-							
	-												
PERSONAL	SAFETY	CHECKLIST	e e) 2						
	Steel-to	ed Boots	-		Hard Hat			Tyvel	k Coveralls	×			
V	Rubber	Gloves			Safety Gog	igles	1/2-F	-Face Respirator					
DRUM I.D. DESCRIPTION OF (N OF C	ONTENTS A	ND QUANTITY		LOCATION	N				
			-										
A.													
			\ 										
TIM	E	1			DESCRIPTION OF WORK PERFORMED								
1200 pm		A. Lyans				- with rept				1.			
12 10				· .		e field she			etails)				
1615 pm		locate u	0		1 11	me were pre	55-1.2	ed,					
		wen		TW	/	mments = 0=0			1.0-1				
		mw-6	1	639	1	5 DTB 3 PTB	yar í	Well	tape de	2 ccmad			
		MW-5 MW-8R	11,6			DTB			alanox a				
		MW-IOR	12.7		1.	DTB		relis.	oury le	wen			
		MW-QR	13.93	e	1	DTB							
mw-1 6.74				1	20.09	•	<i>k</i>	-	r	,			
	Ŷ		3.53		But may swed to the left of Gate base,								
				r.		- concrete				/			
					measure	ed to top a	of C	ncret	le,	-			
										2			

C:\Users\amelia.lyons\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\6UY1PBJS\Daily Field Record_pg 1_Wood.dotx

	WO	od	•		Project Name: National Grid – Former MGP Site No. 837012, Albion, New York								
	IONITOR				Project/Task 007800	#: 0050. 4 3			npled By: hel;a Ly <i>ci</i> ,	Dat S	e: 1122128		
Well Num	ber/ID: M	W-1		Sampl	e ID: MW-	1-097	272		Duplicate ID	N/A			
Method of	f Purging: Lo	ow-Flo	w	Metho	od of Sampling: Low-Flow				Intake Depth	י: 13' bgs			
					Field Eq	luipmen	ıt	I					
Equi	pment		Мос	del	Serial #/Ren	tal ID	R		ate /Serviced	1	Calibrated		
Multi-Probe	3	Her	ha		XKUVTYC	20	Au	AL 9-20	18 9/21/20	9/22	12020		
Turbidimet	er	*				×							
				Ca	sing Purge Vo	lume Ca	lcula	ations		<u>.</u>			
A. Depth to	Water = <u>6.7</u>	<u>'4_</u> ft.	D. W	ater Column (I	B-A) = <u>13,35</u>	_ ft.		Depth to	Water After Sar	mpling = 8 ,	<u>40_</u> ft.		
B. Well Tota	I Depth = <u>20</u> .	Well Volume (0	C ² x 0.0408 x D) =	= 2.18	gal.	Actual V	olume Purged (fr	rom below) = _	4000 gal/M.				
C. Well Diam	heter = 2	in.	F. 3 \	Well Volumes ((3 x E) = <u>6,5</u> 4	1 gal	•	(If applica	ble, see pumping s	ystem volume ca	lculation below)		
Pump and	Flow Cell Volu	me	Vp	= N/A	ml		· · · ·	Pumpir	ıg System Vol	lume Calcula	ation		
Tubing Insi	ide Diameter		D	= N/A	in.	in. Pumping System Volume (Vs)							
Tubing Len	gth		L	= N/A	in.			$V_{S} = V$	- + π * D² / 4 *	[‹] L * 16.39 m	l/in³		
Conversion	from Inches ³	to ml	1 in ³	= 16.39	ml		_Vs =	() + (3.1415 * _	²/4) *	() * 16.39		
	Purging Data			Water Qu	ality Parameters (within range for 3 consecutive readings if low-flow sampling)								
Time (24 hr)	Purge Volume	Flow I □ gpr ☑ ml/	n	Temp (°C)	Specific Conductance (uS/cm)	Disso Oxyg (mg	jen	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks		
	🗆 gal 🗹 ml	e niy		Stabilization ⁽¹⁾ :	1	± 0.2 n	ng/L	± 0.2	± 20 mV	<10 NTU	<i>DTW</i>		
1350	Initial	100)	21.26	0.607	3.6	<u> </u>	5.49	-	3.6	7.55		
1355	500	\		21.01	0.601	3.10		5,76	, 301	3,6	8.89		
1900	1000	ļ		26.05	6.595	2.51	/	6.08	-	3.7	8.05		
1945	1500	.		19,78	0,615	1,45		6.23		3,0	8.19		
1980	2000		,	19.65	0.646	1.09	<u> </u>	6.33		3,2	8,19		
1415	2500			1955	0.689	0.9	3	6.41		2,8	8,20		
1470	3000			19,40	0,755	0.89		6.52	1	2.8	8,25		
1425	3500		{	9,33	0,769	0.69	•	6.61		2.8	831		
1430	4000			19,22	0.777	0.70	2	6.64	252	2.8	8,34		
Remarks:	Remarks: TOC PID = N/A Sampled MW-1-092220 @ 1435-												
					No ode	er pres	sent	, Sau	pie clea,	<u> </u>			
Purge pumping system volume before recording parameters on dedicated pumps only.													
	(1) Based on EPA low-flow sampling guidelines, ASTM D 6771-02, and research validated Best Practices (see SAP for details).												
Signature	: Amili	n f	ĽĘ	Jama		Checke	ed By	/:					

	wo	od.			Project Name National Grid –		1GP S	ite No.	837012, Albior	ı, New York	
1	IONITOR				Project/Task 007800	#: 0050.03			npled By: elra Lyca	Dat S	
Well Num	iber/ID: M	W-5		Samp	le ID: MW-5-	0922	220		Duplicate ID		-092220
Method o	f Purging: Lo	ow-Flov	W	Metho	Method of Sampling: Low-Flow				Intake Depth	:: 14.5' bę	gs
					Field Eq	uipment	:				
Equi	pment		Model		Serial #/Ren	tal ID	Re		ate /Serviced	Date	Calibrated
Multi-Probe	e	Horiba			XKUVTYOO		91	2/12	0	9122	2/20
Turbidimet	er				•						
				Ca	asing Purge Vol	lume Cal	culat	ions			
A. Depth to	Water = 7.5	<u>4_</u> ft.	D. Wate	r Column (B-A) = <u>8,99</u>	- ^{ft.} 1.46 /	K [Depth to	Water After San olume Purged (fr	npling = <u> </u>	0 ft.
B. Well Tota	al Depth = <u>16.3</u>				C ² x 0.0408 x D) =		al. A	Actual V	olume Purged (fr	om below) = _	gal m
C. Well Dian	neter = <u>2</u>	<u>in.</u>	F. 3 We	ll Volumes	(3 x E) = <u>4,4 C</u>) gal.	1		ble, see pumping s		
Pump and	Flow Cell Volu	ime	Vp =	N/A	ml		Ρ	umpin	g System Vol	ume Calcula	ation
Tubing Ins	ide Diameter		D =	N/A	in.			Pu	mping System	Volume (Vs)	
Tubing Ler	ngth		L =	N/A	in.			Vs = Vi	- + π * D² / 4 *	[•] L * 16.39 m	l/in ³
Conversion	from Inches ³	to ml	1 in ³ =	16.39	ml		Vs = () + (3.1415 * _	²/4) *	^c () * 16.39
	Purging Data	l		Water Qu	uality Parameter	s (within	range	e for 3 (adings if low-	flow sampling)
Time (24 hr)	Purge Volume	Flow Ra		Temp (°C)	Specific Conductance (µS/cm)	Dissolv Oxyge (mg/l	en	pН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks
	🗆 gal 🗹 ml	⊠ ml/m		bilization ⁽¹⁾	: ± 3%	± 0.2 m	g/L	± 0.2	± 20 mV	<10 NTU	Drw
1500	Initial	100	ĺ	6.04	0.947	2.56	2	6.75	- 2.492	17.5	8.39
1505	500			7.23		1.98	(6.91	-79	12.4	8.85
1510	1000		17	.15	0,973	1.87	, (6. qij	-86	5.8	8,86
1515	1500		16	.76	0.962	1.84		7,37	-115	5.0	8.97
1520	2000		16	.67	0.954	1.84		7,38	- 118	4.6	9.05
1525	2500		76.	69	0.956	1.78		7.41	-120	3,8	9.10
1530	3600			.67	0.951	1.84		7,44	-123	4.8	9,12
1535	3500		>	amp	ed mu-	5-09	202	20			
1546	4600	`		Sumpl	ed mw-	50-09	22	20			
Remarks:	TOC PID =			•	Samp	le w	æS	Clea	ar, and	anod	<i>a</i>
					1	prese					
Purge pum	iping system vol	lume befo	ore record	ling param	eters on dedicated	l pumps on	ıly.				
⁽¹⁾ Based o	n EPA low-flow	sampling	guideline	s, ASTM D	6771-02, and res	earch valid	ated B	lest Prac	ctices (see SAP fo	or details).	
Signature	a: 🖉	<u>u/in</u>	<u>A</u>	and		Checke	d By:				

Page _____ of ____

	WO	od.			Project Name National Grid -		MGP	' Site No	. 837012, Albio	n, New York	
	MONITOR				Project/Task 007800	(#:)0050.03			mpled By: elia Ly <i>a</i> ns	Da 91	te: 122/20
Well Num	iber/ID: M	IW-10F	२	Samp	le ID: MW-1	0R- <i>09</i>	222		Duplicate ID	N/A	
Method o	f Purging:	ow-Flo	W	Metho	hod of Sampling: Low-Flow				Intake Dept	n: 16' bgs	
		1			Field Ec	quipmen	t			1	
Equi	pment		Model		Serial #/Rer	ntal ID	R		ate I/Serviced	Date	Calibrated
Multi-Prob	9	Harit	va.		XKUVTY	60	91	2/12	0	9/27	120
Turbidimet	er				•						
				Ca	sing Purge Vo	lume Ca	lcula				
	Water = <u>12.</u>		D. Water	Column (I	B-A) = <u>6. 20</u>	_ ft.		Depth t	o Water After Sar	mpling = <u>14</u>	<u>,20</u> ft.
B. Well Tota	I Depth = $\underline{18}$	<u>.45</u> ft.	E. 1 Well	Volume (C ² x 0.0408 x D) =	= <u>1.01 g</u>	gal.	Actual V	olume Purged (fr	rom below) = _	<u>5,250 gal/67</u> ?
C. Well Dian	neter = <u>2</u>	in.	F. 3 Well	Volumes	(3 x E) = <u>3,0</u>	<u>4</u> gal.		(If applic	able, see pumping s	ystem volume ca	lculation below)
Pump and	Flow Cell Volu	ime	V _p =	N/A	ml			Pumpi	ng System Vol	ume Calcul	ation
Tubing Ins	ide Diameter		D =	N/A	in.			Ρι	Imping System	Volume (Vs)	
Tubing Ler	igth		L =	N/A	in.			Vs = V	P + π * D ² / 4 *	[•] L * 16.39 m	l/in ³
Conversion	from Inches ³	to ml	1 in ³ =	16.39	ml		_Vs =	() + (3.1415 * _	²/4)*	() * 16.39
	Purging Data	1		Water Qu	ality Parameter	rs (within	ı ran	ge for 3		adings if low-	flow sampling)
Time (24 hr)	Purge Volume □ gal,⊄ mi	Flow Ra □ gpm □ ml/m	ite	Temp (°C)	Specific Conductance (µS/cm)	Dissol Oxyg (mg/	en	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks
				ilization ⁽¹⁾ :	± 3%	± 0.2 m	ng/L	± 0.2	± 20 mV	<10 NTU	prw
[600	Initial	125	17	184	2.42	2.0	6	7.09	-12	16.0	13.07
1605	625	125	16	. 98	3,40	0.8	8	7.02	28	18.0	13,39
1610	1,250	100		76	4,50	0.59	1	6.95	43	10.6	13.54
1615	1750		/6.	70	4.88	0.50	0	6.94		8.1	13,65
1620	2,250		/ 16.	61	5,23	0.4	·····	6.94	62	4,8	13,73
1625	2,750		110	53	5.44	0.40		6.96	66	4,4	13,88
1630	3,250		12	47	5,62	0,35		7.01	69	3.4	13.89
1635	3,750		-16,4		5,78	0,34		7.09		3.5	13,92
1640	4,250	Ψ	16,	38	5,90	0.33	•	7.17	69	3,4	13,95
Remarks:	TOC PID =										
					ters on dedicated						
	/ n	sampling g	guidelines	, ASTM D	6771-02, and rese	******			tices (see SAP fo	or details).	
Signature	: (lul	na f	hom	u/		Checke	d By	/:			

Page _____ of _____

	ADDIT	IONAL FI		ETER COLLEC			RO-PURG	E SAMPLIN	1G		
(continued from frontside) Purging Data Water Quality Parameters (within range for 3 consecutive readings)											
Time (24 hr)	Purge Volume	Flow Rate	Тетр (°С)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks		
			Stabilization ⁽¹⁾ :	± 3%	± 0.2 mg/L	± 0.2	± 20 mV	<10 NTU	DRU		
1645	4.750	100	16.26	5,97	0.33	7.21	71	3, Z	14.02		
650	4,750 5,250	1	16.14					3.3	14.07		
655	5,750	V	Sumaled	5,99 mw-108	-09772	0					
700			1000		the second s			-			
<u>' L L L</u>											
		-						-			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•									
		-									
								-			
Remarks	<u></u>	<u></u>	<u> </u> :	<u> </u>		<u>.</u>		J	L		
			A1- 1	a- Anoral	r ala	-1					
			/V0_00	lor present,	Samfik	QRA	۲ <u>.</u>				

Page 2 of 2

	wo	od.			Project Name National Grid –		Site No. 8	337012, Albio	n, New York	
	MONITOR				Project/Task 007800	#: 0050.03	Am	pled By: ekce yonS	ate: ?/23/70	
Well Num	nber/ID: M	W-6		Sampl	e ID: MW-6	-092320		Duplicate ID	[•] N/A	
Method o	of Purging:	ow-Flov	V	Metho	d of Sampling	Low-Flov	د ۷	(ntake Deptl	h: 13.5' k	ogs
-					Field Eq	uipment			4	
Equi	ipment		Model		Serial #/Rental ID Rece			te /Serviced	Dat	e Calibrated
Multi-Prob	e	Harit	a		XKUVTYO	20	9/2//	20	9123	2120
Turbidime	ter									
					sing Purge Vo					26 A
	Water = <u>64</u>				3-A) = <u>8.99</u>			Water After Sa		
	al Depth =				C ² x 0.0408 x D) =	<u>1.46 gal.</u>	Actual Vo	lume Purged (f	rom below) =	3850 gal/ml.
C. Well Diar	meter = <u>Z</u>	in.	F. 3 Well	Volumes (3 x E) = <u>4.40</u>	gal.	(If applicab	le, see pumping s	system volume o	calculation below)
Pump and	Flow Cell Volu	ime N	/p =	N/A	ml		Pumping	g System Vo	lume Calcu	llation
Tubing Ins	side Diameter	I) =	N/A	in.		Pur	nping System	Volume (Vs)
Tubing Ler	nath	1		B1 / A	1				× 1 × 1 C DO	1/1.2
LCI	- Igui	L	. =	N/A	in.		$V_{S} = V_{P}$	+ π * D ² /4 '	° L * 16.39 I	mi/in³
_	n from Inches ³	-	. = . in ³ =	-	in. ml	Vs =		-		* () * 16.39
_		to ml 1	. in ³ =	16.39	ml		()) + (3.1415 * _	²/4)	
Conversior	Purging Data	to ml 1	. in ³ =	16.39	ml		()) + (3.1415 * _	²/4)	* () * 16.39 v-flow sampling)
Conversior	n from Inches ³ Purging Data Purge	to ml 1	te	16.39 Water Qua	ml ality Parameter Specific Conductance	s (within rang Dissolved Oxygen	() ge for 3 co) + (3.1415 * _ onsecutive re Oxidation Reduction Potential	2/4) adings if lov Turbidity	* () * 16.39 v-flow sampling)
Conversior Time (24 hr)	Purging Data	to ml 1	te Stab	16.39 Water Qua Temp (°C)	ml ality Parameter Specific Conductance (μS/cm) ± 3%	s (within rang Dissolved Oxygen (mg/L)	() ge for 3 ca pH) + (3.1415 * _ onsecutive re Oxidation Reduction Potential (mV) ± 20 mV	2/4) adings if lov Turbidity (NTU)	* () * 16.39 v-flow sampling) Remarks
Conversior Time (24 hr)	Purging Data Purge Volume gal @ ml	to ml 1 Flow Ra	. in ³ = te n Stab	16.39 Water Qua Temp (°C) ilization ⁽¹⁾ :	ml ality Parameter Specific Conductance (μS/cm)	s (within rang Dissolved Oxygen (mg/L) ± 0.2 mg/L	() ge for 3 c pH ± 0.2	+ (3.1415 * _ onsecutive re Oxidation Reduction Potential (mV) ± 20 mV 268	2/4) adings if low Turbidity (NTU) <10 NTU	*() * 16.39 v-flow sampling) Remarks
Conversior Time (24 hr) 730	Purging Data Purge Volume gal @ ml Initial	to ml 1 Flow Ra	. in ³ = te n <u>Stab</u> [(G,	16.39 Water Qua Temp (°C) illization ⁽¹⁾ :	ml ality Parameter Specific Conductance (μS/cm) ± 3%	s (within rang Dissolved Oxygen (mg/L) ± 0.2 mg/L /, 23	() ge for 3 co pH ± 0.2	+ (3.1415 * _ onsecutive re Oxidation Reduction Potential (mV) ± 20 mV 268	2/4) adings if low Turbidity (NTU) <10 NTU	*() * 16.39 v-flow sampling) Remarks DTCO G.7Z
Conversior Time (24 hr) 730 735	Purging Data Purge Volume gal 2 ml Initial 550	to ml 1 Flow Ra	te n 16, 16,	16.39 Water Quant Temp (°C) illization ⁽¹⁾ : 43 24	ml ality Parameter Specific Conductance $(\mu S/cm)$ $\pm 3\%$ O.803 O.746	s (within rang Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.23 0.61	() ge for 3 co pH ± 0.2 \$; 7.9 \$; 8 6	+(3.1415*) onsecutive re Oxidation Reduction Potential (mV) $\pm 20 \text{ mV}$ 268 263	2/4) adings if lov Turbidity (NTU) <10 NTU 7, 7 5, 2	*() * 16.39 v-flow sampling) Remarks DTCO 6.72 6.80
Conversior Time (24 hr) 730 735 740	Purging Data Purge Volume gal 2 ml Initial 550 1,100	to ml 1 Flow Ra	te n 16, 16, 16, 16, 16,	16.39 Water Quant Temp (°C) ilization ⁽¹⁾ : 43 24 18	ml ality Parameter Specific Conductance $(\mu S/cm)$ $\pm 3\%$ O.803 O.746	s (within rang Dissolved Oxygen (mg/L) ± 0.2 mg/L /. 23 O.C./ O.S.3	() ge for 3 co pH ± 0.2 5.729 5.86 6.08 6.20 6.30	$\begin{array}{c} + (3.1415 * _ \\ \hline \text{onsecutive re} \\ \hline \text{Oxidation} \\ \text{Reduction} \\ \text{Potential} \\ (mV) \\ \pm 20 \text{ mV} \\ \hline 268 \\ 263 \\ \hline 263 \\ \hline 250 \\ \hline 238 \\ \hline 227 \end{array}$	2/4) adings if low Turbidity (NTU) <10 NTU 7,7 5,2 5,7	*() * 16.39 v-flow sampling) Remarks DTCO G.7Z G.80 G.81
Conversior Time (24 hr) 730 735 740 745	Purging Data Purge Volume a gal 2 ml Initial 550 1,100 1,650	to ml 1 Flow Ra	te n 5tab 16 16 16	16.39 Water Qui Temp (°C) ilization ⁽¹⁾ : 43 24 18 .12	ml ality Parameter Specific Conductance $(\mu S/cm)$ $\pm 3\%$ O.803 O.746 O.746 O.737	s (within rang Dissolved Oxygen (mg/L) $\pm 0.2 \text{ mg/L}$ 1.23 0.61 0.53 0.45	() ge for 3 c pH ± 0.2 5.729 5.86 6.08 6.08 6.20 6.30 6.32	$\begin{array}{c} + (3.1415 * _ \\ \hline \text{onsecutive re} \\ \hline \text{Oxidation} \\ \text{Reduction} \\ \text{Potential} \\ (mV) \\ \pm 20 \text{ mV} \\ \hline 268 \\ 263 \\ \hline 263 \\ \hline 250 \\ \hline 238 \\ \hline 227 \end{array}$	2/4) adings if lov Turbidity (NTU) <10 NTU 7, 7 5, 2 5, 9 6, 2	* () * 16.39 v-flow sampling) Remarks DTCO G.7Z G.80 G.81 G.87
Conversior Time (24 hr) 730 735 740 745 750	From Inches ³ Purging Data Purge Volume \Box gal \angle ml Initial 550 1,100 1,650 Z,200	to ml 1 Flow Ra	te n 5tab 16. 16. 16. 16.	16.39 Water Qui Temp (°C) ilization ⁽¹⁾ : 43 24 18 .12 05 62 96	ml ality Parameter Specific Conductance (μS/cm) ± 3% 0. 808 0. 746 0. 746 0. 746 0. 748 0. 737 0. 738 0. 739 0. 742	s (within rang Dissolved Oxygen (mg/L) ± 0.2 mg/L 1. 23 0.6 / 0.53 0.45 0.39	() ge for 3 co pH ± 0.2 5.729 5.86 6.08 6.20 6.30	$\begin{array}{c} + (3.1415 * _ \\ \hline \text{onsecutive re} \\ \hline \text{Oxidation} \\ \text{Reduction} \\ \text{Potential} \\ (mV) \\ \pm 20 \text{ mV} \\ \hline 268 \\ 263 \\ \hline 263 \\ \hline 250 \\ \hline 238 \\ \hline 227 \end{array}$	2/4) adings if low Turbidity (NTU) <10 NTU 7, 7 5, 2 5, 7 6, 2 8, 7	*() * 16.39 v-flow sampling) Remarks DTCO G.7Z G.80 G.81 G.87 G.93
Conversior Time (24 hr) 730 735 740 745 750 755	n from Inches ³ Purging Data Purge Volume □ gal 2 ml Initial 550 1,100 1,650 2,260 2,750	to ml 1 Flow Ra	te n 5tab 16. 16. 16. 16.	16.39 Water Qui Temp (°C) ilization ⁽¹⁾ : 43 24 18 .12 05 62 96	ml ality Parameter Specific Conductance $(\mu S/cm)$ $\pm 3\%$ 0.8∞ 0.746 0.746 0.746 0.737 0.738 0.739 0.742 34	s (within rang Dissolved Oxygen (mg/L) ± 0.2 mg/L /. 23 0.6 / 0.53 0.45 0.37	(ge for 3 c pH ± 0.2 5.29 5.86 6.08 6.08 6.20 6.30 6.32 6.39	$+(3.1415*_{-})$ consecutive re Oxidation Reduction Potential (mV) $\pm 20 \text{ mV}$ 268 263 250 238 227 222	2/4) adings if low Turbidity (NTU) <10 NTU 7, 7 5, 2 5, 7 6, 2 8, 7 7, 8 8, 4	*() * 16.39 Remarks DTCO G.7Z G.80 G.81 G.87 G.93 G.99
Conversior Time (24 hr) 730 735 740 745 750 755 800 805	From Inches ³ Purging Data Purge Volume \Box gal \Box ml Initial 550 1,000 1,650 Z,250 Z,750 3,300	to ml 1 Flow Ra	te n 5tab 16. 16. 16. 16.	16.39 Water Qua Temp (°C) ilization ⁽¹⁾ : 43 24 18 .12 05 62 96 52 m	ml ality Parameter Specific Conductance (μS/cm) ± 3% 0. 808 0. 746 0. 746 0. 746 0. 748 0. 737 0. 738 0. 739 0. 742	s (within range Dissolved Oxygen (mg/L) $\pm 0.2 mg/L$ 1.23 0.61 0.53 0.45 0.37 0.37 0.37 0.37 0.37 0.0-61	() pH ± 0.2 5.729 5.86 6.08 6.20 6.30 6.32 6.32 6.39 -09	$\begin{array}{c} + (3.1415 * _ \\ \hline \text{onsecutive re} \\ \hline \text{Oxidation} \\ \hline \text{Reduction} \\ \hline \text{Potential} \\ (mV) \\ \pm 20 \text{ mV} \\ \hline 268 \\ 263 \\ 250 \\ 238 \\ 227 \\ 238 \\ 227 \\ 222 \\ 214 \end{array}$	2/4) adings if low Turbidity (NTU) <10 NTU 7, 7 5, 2 5, 7 6, 2 8, 7 7, 8 8, 4	*() * 16.39 Remarks DTCO G.7Z G.80 G.81 G.87 G.93 G.99
Conversior Time (24 hr) 730 735 740 735 740 745 750 755 800 805 805 Remarks:	n from Inches ³ Purging Data Purge Volume □ gal 2 ml Initial 550 1,100 1,650 7,200 2,750 3,300 3,300 3,850 TOC PID =	to ml 1	te n 16, 16, 16, 16, 16, 15,	16.39 Water Qui Temp (°C) ilization ⁽¹⁾ : .43 .24 .12 .12 .05 .62 .96 .52 m .52 m	ml ality Parameter Specific Conductance $(\mu S/cm)$ $\pm 3\%$ 0.800 0.746 0.746 0.746 0.746 0.737 0.738 0.739 0.739 0.742 pled p	s (within range Dissolved Oxygen (mg/L) $\pm 0.2 mg/L$ 1.23 0.61 0.53 0.45 0.37 0.37 0.37 0.37 0.37 0.37 0.0.27 0.37	() pH ± 0.2 5.729 5.86 6.08 6.20 6.30 6.32 6.32 6.39 -09	$\begin{array}{c} + (3.1415 * _ \\ \hline \text{onsecutive re} \\ \hline \text{Oxidation} \\ \hline \text{Reduction} \\ \hline \text{Potential} \\ (mV) \\ \pm 20 \text{ mV} \\ \hline 268 \\ 263 \\ 250 \\ 238 \\ 227 \\ 238 \\ 227 \\ 222 \\ 214 \end{array}$	2/4) adings if low Turbidity (NTU) <10 NTU 7, 7 5, 2 5, 7 6, 2 8, 7 7, 8 8, 4	*() * 16.39 Remarks DTCO G.7Z G.80 G.81 G.87 G.93 G.99
Conversior Time (24 hr) 730 735 740 735 740 745 750 755 800 805 805 Remarks: Purge purr	n from Inches ³ Purging Data Purge Volume □ gal 2 ml Initial 550 1,00 1,650 2,750 3,300 3,300 3,850 : TOC PID =	to ml 1	te n 5tab 16. 16. 16. 16. 16. 15.	16.39 Water Qui Temp (°C) ilization ⁽¹⁾ : .43 .24 .12 .12 .05 .62 .96 .52 m .52 m .52 m	ml ality Parameter Specific Conductance $(\mu S/cm)$ $\pm 3\%$ 0.803 0.746 0.746 0.746 0.746 0.737 0.738 0.739 0.742 ple cle	s (within range Dissolved Oxygen (mg/L) $\pm 0.2 \text{ mg/L}$ 1.23 0.21 0.53 0.45 0.37 0.37 0.37 0.37 0.37 0.37 0.37 0.37 0.00 0.37 0.00 0.37 0.00 0.37 0.00	(ge for 3 c pH ± 0.2 5.29 5.86 6.08 6.20 6.30 6.32 6.32 6.39 -09 1.ess	$+(3.1415*_{-})$ onsecutive re Oxidation Reduction Potential (mV) $\pm 20 \text{ mV}$ 268 263 250 238 227 222 214 2326	2/4) adings if lov Turbidity (NTU) <10 NTU 7, 7 5, 2 5, 7 6, 2 8, 7 7, 8 8, 4	*() * 16.39 Remarks DTCO G.7Z G.80 G.81 G.87 G.93 G.99

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Page	<u> </u>	of	1

	WO	od	•		Project Name National Grid –		1GP Site N	o. 837012, Albio	n, New York	
	MONITOR				Project/Task 007800	#: 0050.03		ampled By: molia Lyûn	Da G	te: 123120
Well Num	iber/ID: M	W-8R		Samp	le ID: MW-8	8R- <i>097</i>	2320	Duplicate ID): N/A	
Method o	f Purging: Lo	ow-Flo	W	Metho	lethod of Sampling: Low-Flow				h: 16' bgs	***************************************
		1			Field Eq	uipment			1	
Equi	pment		Mode		Serial #/Ren	tal ID		Date d/Serviced	Date	Calibrated
Multi-Probe	9	Her,	ba		XKUVTYC	ø	912112	0	9123	120
Turbidimet	er				,					
				Ca	sing Purge Vo	lume Cal	culations			
A. Depth to	Water = <u>11.6</u>	<u>Z_</u> ft.	D. Wat	er Column (I	B-A) = <u>9.9</u> 4	_ft.	Depth	to Water After Sa	mpling = 13	<u>,19</u> ft.
	I Depth = $\underline{/q_i}$			-	C ² x 0.0408 x D) =	-	al. Actual	Volume Purged (1	from below) = $\frac{1}{2}$	<u>14,300 g</u> al/ml.
C. Well Dian	neter = <u>2</u>	in.	F. 3 We	ell Volumes ((3 x E) = <u>4,39</u>	s gal.	(If appl	cable, see pumping	system volume ca	Iculation below)
Pump and	Flow Cell Volu	me	Vp =	= N/A	ml		Pump	ing System Vo	lume Calcul	ation
Tubing Ins	ide Diameter		D =	= N/A	in.		I	Pumping System	volume (Vs)	
Tubing Ler	ngth		L =	= N/A	in.		Vs =	$V_{P} + \pi * D^{2} / 4$	* L * 16.39 m	l/in ³
Conversion	from Inches ³	to ml	1 in ³ =	= 16.39	ml	V	/s = (_) + (3.1415 * _	²/4) *	ʻ () * 16.39
	Purging Data			Water Qu	ality Parameter	s (within	range for 3		adings if low-	flow sampling)
Time (24 hr)	Purge Volume	Flow R		Temp (℃)	Specific Conductance (uS(cm) m5(cm)	Dissolv Oxyge (mg/L	en PH	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks
				abilization ⁽¹⁾ :	± 3%	± 0.2 mg	g/L ± 0.3	2 ± 20 mV	<10 NTU	DRU
820	Initial	130	1		2.32	0.65		3 -42	4.2	11,97
875	650	.	1	5.83		0.50				12.15
830	1,300		15	5.75	2.40	0.61	6.70	1	3,7	12.27
835	1,950			5.71	2.35	0.79	0.	-	3.3	12.40
840	2,600		а	5,60	2.31	0.83	<u> </u>		2.6	12.54
845	3,250		1	5,60	2.23	0.82	10 0		2.7	12.69
850	3,900		l.	5.43	2.17	0.97	······································		5.2	12,78.
855	4,550		<u> </u>	56	2.09	0.88	6.9	10-	5,7	17.86
960 Barrarka	5,200	•	18	5,46	2.03	0.90		3 -146	2.3	12.95
kemarks:	TOC PID =		A	a eda	Slight	oder,	, Samp	ie chear		
Purae num	ning system volu	ume hefo	re recor	ding narame	eters on dedicated					
					6771-02, and rese			actices (see SAP f	or details)	
Signature	/	7				Checked				
	eepade	c V		2000						

Page _____ of _____

Purging/Sampling	Date:	9/23/20
i arging/bamping	Ducc.	11 201 20

Well Number/ID: <u>mw-8R</u>

ADDITIONAL FIELD PARAMETER COLLECTION LOG for MICRO-PURGE SAMPLING (continued from frontside)

	Purging Data	l	Water Quality Parameters (within range for 3 consecutive readings)									
Time (24 hr)	Purge Volume □ gal Ø ml	Flow Rate	Тетр (°С)	Specific Conductance (#8/cm) m S/Cm	Dissolved Oxygen (mg/L)	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks			
		3 9	Stabilization ⁽¹⁾ :	± 3%	± 0.2 mg/L	± 0.2	± 20 mV	<10 NTU	Drw			
905	5,850	130	15.58	1.96	0.56	6.99	-149	2.7	13.00			
910	6,500		15.41	1.92	0.77	6.99	-151	2.8	13.05			
915	7,150		15.33	1.75	0.99	7.05	-15-1	3, Z	B.11			
920	7,800		15,23	1.77	<i>0.</i> 98	7.08	-151	4.1	13.15			
925	8,450		15,19	1.66	0.96	7.15	-156	14.4	13.13			
930	9,100		15.27	1.63	0,93	7,19	-15Z	3.6	13,19			
935	9,750		15,26	1.54	0,88	7.08	-153	3.3	B.19			
940	10,400		15.20	1.48	6.99	7.07	-152	7.7	13,19			
945	11,050			1.45	0.95	7.05	-150	4.0	13.19			
950	11,700		15.32	1.42	0.85	7,05	-150	2.5	13,19			
955	12,350		15,14	1.40	0,98	7.04	-150	1.8	13.19			
1000	13,000		15.21	1.39	1.00	6.99	-151	7.8	13.19			
1005	13,650	4	15.38	1,38	0,91	6.86	- 134	3.0	13,19			
610	14,306		Sample	d mu-	8 R- 092	320						
1015	-		, 									
						-						

							-					
			······									
Remarks						1						
						•	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·			
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
(1) D 1	FDA I G			174 00 · · ·			/					
··· Based on	EPA IOW-flow sa	ampling guidel	ines, ASTM D 67	71-02, and resea	rcn validated B	est Practic	es (see SAP for	details).				

Page 2 of 2

	wo	od		6	Project Name National Grid –		MGP S	Site No.	837012, Albio	n, New York	
	ONITOR				Project/Task 007800	#: 0050.03			melea By:		ate: 9/23/20
Well Num	iber/ID: N	IW-9F	2	Samp	le ID: MW-9	R-092	-32	20	Duplicate ID	N/A	
Method o	f Purging:	ow-Flo	SW	Metho	nod of Sampling: Low-Flow				Intake Deptl	h: 1/2', bg	S
					Field Ec	luipmen	t				· · · · · · · · · · · · · · · · · · ·
Equi	pment		Мо	del	Serial #/Ren	tal ID	Re		ate /Serviced	Dat	e Calibrated
Multi-Prob	9	Ha	riba		XKUUTYO	0	91	2112	0	912	3120
Turbidimet	er										
				Ca	sing Purge Vo	lume Ca	culat	ions			
A. Depth to	Water = <u>13.</u>	<u>17</u> ft.	D. W	'ater Column (B-A) = <u>3/</u> 3	_ ft.	[Depth to	Water After Sar	mpling = <u>1</u>	
B. Well Tota	I Depth = 17 .	<u>10_</u> ft.	E. 1	Well Volume (C ² x 0.0408 x D) =	<u>= 0,51</u> g	al. /	Actual Vo	olume Purged (fi	rom below) =	. <u>80<i>00</i></u> gal (m).
C. Well Dian	neter =	in.	F. 3	Well Volumes	(3 x E) = <u>1.5</u>	<u>3</u> gal.	(If applica	ble, see pumping s	ystem volume	calculation below)
Pump and	Flow Cell Volu	me	Vp	= N/A	ml		P	umpin	g System Vo	lume Calcı	lation
Tubing Ins	ide Diameter		D	= N/A	in.			Pu	mping System	Volume (Vs)
Tubing Ler	igth		L	= N/A	in.			$V_{S} = V_{P}$	+ π * D² / 4 *	۲L * 16.39	ml/in³
Conversion	from Inches ³	to ml	1 in ³	= 16.39	ml		Vs = () + (3.1415 *	² / 4)	* () * 16.39
	Purging Data	*		Water Qu	ality Parameter	s (within	range	e for 3 c		adings if lov	v-flow sampling)
Time (24 hr)	Purge Volume	Flow F □ gpn ☑ ml/	n	Temp (°C)	Specific Dissolved Conductance Oxygen (\u03f3Cm) (mg/L)			pН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks
		ייייין		Stabilization ⁽¹⁾ :		± 0.2 m	g/L	± 0.2	± 20 mV	<10 NTU	ptu
1030	Initial	100	>	15.73	5,52	0.8	6	6.88	-96	0.4	14.17
1035	500	[(16.05	5.46	G.S	1	676		0.2	14.23
1040	1000		1	16.23	5.39	0.7	.	6.91	-74	0.2	14.37
1045	1500		/	16.70	5.35	0.7	5 (6.85	-68	6.0	14.42
1050	2000			16,24	5.42	0.6	61	5,80	2-51	0.0	14.5Z
1055	2500			16.10	5.60	0.6	1	6.90	-51	0,0	14.71
1100	3000		/	6.07	5.87	0.5	3 (6.88		0.0	14.91
1105	3500	$ \downarrow \downarrow$	ĺ	6.10	5.83	0.54	1	0,86	-38	0.0	15.12
11/0	4000	4		6.05	5.40	0.46		6.88	-33	0.0	15,59
Remarks:	TOC PID =										
Î <i>N lave</i> Purge pum					<u>re to faw</u> eters on dedicated						
					6771-02, and rese			est Drad	tices (cee CAD fo	r details)	
Signature	\sim	lee .		A A A A A A A A A A A A A A A A A A A				LOUFIC	uces (see SAP IC		
Jignatale	· Mil	no		1 mg	e]	SHELKE	. Dy .				

Page _____ of 2____

		ADDIT	IONAL FIE		ETER COLLEC			RO-PURGE	E SAMPLIN	IG		
ľ		Purging Data		Water Quality Parameters (within range for 3 consecutive readings)								
	Time (24 hr)	Purge Volume □ gal ☑ mi	Flow Rate	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks		
		5		Stabilization ⁽¹⁾ :	± 3%	± 0.2 mg/L	± 0.2	± 20 mV	<10 NTU			
	1115	4500	100	15.77	5.78	0.31	6.91	-32	0.0	15.89		
	1120	5000	ļļ	16.00	5.98	0.34	6.79	- 24	0.0	16.10		
	1125	5500		15.84	6.18	0.34	-	-26	0.0	16.25		
) ()	1130	6000		16.85	6.21	0.31		-21	0.0	16.50		
Ø	1135	6500	ļ	17.00	6.26	0.50		-22		16.62		
	1140	7000	ļ	16.23	6.25	0.67		-32	0.0	16.69		
	1145	7500	ļ	16.11	6.23	0.44		-36	0.0	16.75		
	1150	8000		16.27	6.85	0.54	6.98	- 43	0.0	16.90		
	1155			well	dry, -		-			and the second se		
	1200		¥	Walt	Gry, Far recha (Mw-9,	rge, th	en s	ample				
	1210			Sample	1 MW-9	R-092	320	V				
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Page <u>2</u> of <u>2</u>



APPENDIX B

Analytical Laboratory Report



Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo 10 Hazelwood Drive Amherst, NY 14228-2298 Tel: (716)691-2600

Laboratory Job ID: 480-175549-1

Client Project/Site: Albion, NY Groundwater Project

For:

Wood E&I Solutions Inc 180 Grand Avenue Suite 1100 Oakland, California 94612

Attn: Mr. Alex Rosenthal

Authorized for release by: 10/2/2020 11:55:25 AM Rebecca Jones, Project Management Assistant I Rebecca.Jones@Eurofinset.com

Designee for

Brian Fischer, Manager of Project Management (716)504-9835 Brian.Fischer@Eurofinset.com

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.



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	6
Client Sample Results	8
Surrogate Summary	16
QC Sample Results	17
QC Association Summary	23
Lab Chronicle	26
Certification Summary	29
Method Summary	30
Sample Summary	31
Chain of Custody	32
Receipt Checklists	38

Qualifiers

Qualifiers		- 3
GC/MS VOA Qualifier	Qualifier Description	Λ
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	-
GC/MS Semi		5
Qualifier	Qualifier Description	
*	LCS or LCSD is outside acceptance limits.	- 6
*1	LCS/LCSD RPD exceeds control limits.	
В	Compound was found in the blank and sample.	
7	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
x	Surrogate recovery exceeds control limits	8
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	9
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	10
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	10
DL	Detection Limit (DoD/DOE)	13
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
- MLMinimum Level (Dioxin)MPNMost Probable Number
- MQL Method Quantitation Limit NC Not Calculated
- 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
- QCQuality ControlRERRelative Error Ratio (Rational Control Relation)
- RERRelative Error Ratio (Radiochemistry)RLReporting 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: 480-175549-1

Job ID: 480-175549-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-175549-1

Comments

No additional comments.

Receipt

The samples were received on 9/24/2020 2:15 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-175549-4), (480-175549-F-4 MS) and (480-175549-F-4 MSD). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to the nature of the sample matrix: MW-5 (480-175549-2), MW-8R (480-175549-4), MW-9R (480-175549-5) and MW-50 (480-175549-7). Elevated reporting limits (RLs) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-10R (480-175549-6). These results have been reported and qualified.

Method 8270D: Benzo[a]anthracene The laboratory control sample duplicate (LCSD) for preparation batch 480-551196 and analytical batch 480-551478 recovered outside control limits for the following analytes: Benzo[b]fluoranthene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-551196 and analytical batch 480-551478 recovered outside control limits for the following analytes: Benzo[b]fluoranthene and Dibenz(a,h)anthracene.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: MW-8R (480-175549-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-175549-4). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: MW-8R (480-175549-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The laboratory control sample duplicate (LCSD) for preparation batch 480-551196 and analytical batch 480-551625 recovered outside control limits for the following analytes: Benzo[b]fluoranthene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-551196 and analytical batch 480-551625 recovered outside control limits for the following analytes: Benzo[b]fluoranthene and Dibenz(a,h)anthracene.

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

General Chemistry

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

Job ID: 480-175549-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-551196.

Case Narrative

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

Detection Summary

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

Client Sample ID: MW-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Туре
Cyanide, Total	0.11		0.010	0.0060	mg/L	1	4500 CN E-2011	Total/NA
lient Sample ID: MW-5						Lab San	nple ID: 480-	·175549-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Ргер Туре
Benzene	42		1.0	0.41	ug/L		8260C	Total/NA
Toluene	4.2		1.0	0.51	ug/L	1	8260C	Total/NA
Ethylbenzene	8.7		1.0	0.74	ug/L	1	8260C	Total/NA
m-Xylene & p-Xylene	3.4		2.0	0.66	ug/L	1	8260C	Total/NA
o-Xylene	5.3		1.0	0.76	ug/L	1	8260C	Total/NA
Xylenes, Total	8.7		2.0	0.66	ug/L	1	8260C	Total/NA
Total BTEX	64		2.0	1.0	ug/L	1	8260C	Total/NA
Acenaphthene	22	J	25	2.1	ug/L	5	8270D	Total/NA
Acenaphthylene	19	J	25	1.9	ug/L	5	8270D	Total/NA
Anthracene	6.0	J	25	1.4	ug/L	5	8270D	Total/NA
Fluoranthene	6.2	J	25	2.0	ug/L	5	8270D	Total/NA
Fluorene	24	J	25	1.8	ug/L	5	8270D	Total/NA
Naphthalene	13	J	25	3.8	ug/L	5	8270D	Total/NA
Phenanthrene	29	В	25	2.2	ug/L	5	8270D	Total/NA
Pyrene	4.0	J	25	1.7	ug/L	5	8270D	Total/NA
Cyanide, Total	0.22		0.010	0.0060	mg/L	1	4500 CN E-2011	Total/NA
lient Sample ID: MW-6						l ah San	nple ID: 480-	1755/0_

Lab Sample ID: 480-175549-3

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Cyanide, Total	0.068	0.010	0.0060 mg/L	1	4500 CN E-2011	Total/NA

Client Sample ID: MW-8R

Lab Sample ID: 480-175549-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4900		100	41	ug/L	100	_	8260C	Total/NA
Toluene	160		100	51	ug/L	100		8260C	Total/NA
Ethylbenzene	380		100	74	ug/L	100		8260C	Total/NA
m-Xylene & p-Xylene	1600		200	66	ug/L	100		8260C	Total/NA
o-Xylene	520		100	76	ug/L	100		8260C	Total/NA
Xylenes, Total	2100		200	66	ug/L	100		8260C	Total/NA
Total BTEX	7600		200	100	ug/L	100		8260C	Total/NA
Acenaphthene	95	J	100	8.2	ug/L	20		8270D	Total/NA
Acenaphthylene	8.1	J	100	7.6	ug/L	20		8270D	Total/NA
Anthracene	7.6	J	100	5.6	ug/L	20		8270D	Total/NA
Fluorene	41	J	100	7.2	ug/L	20		8270D	Total/NA
Phenanthrene	47	JB	100	8.8	ug/L	20		8270D	Total/NA
Naphthalene - DL	2300		500	76	ug/L	100		8270D	Total/NA
Cyanide, Total	0.15		0.010	0.0060	mg/L	1		4500 CN E-2011	Total/NA
Client Sample ID: MW-9R						Lab Sa	am	ple ID: 480-	175549-

Analyte	Result Qua	alifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.080	0.010	0.0060	mg/L	1	_	4500 CN E-2011	Total/NA

This Detection Summary does not include radiochemical test results.

Job ID: 480-175549-1

Lab Sample ID: 480-175549-1

5

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

Client Sample ID: MW-10R

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Benzene	24		1.0	0.41	ug/L	1	8260C	Total/NA
m-Xylene & p-Xylene	0.95	J	2.0	0.66	ug/L	1	8260C	Total/NA
Xylenes, Total	0.95	J	2.0	0.66	ug/L	1	8260C	Total/NA
Total BTEX	25		2.0	1.0	ug/L	1	8260C	Total/NA
Acenaphthene	1.0	J	5.0	0.41	ug/L	1	8270D	Total/NA
Naphthalene	3.5	J	5.0	0.76	ug/L	1	8270D	Total/NA
Phenanthrene	0.53	JB	5.0	0.44	ug/L	1	8270D	Total/NA
Cyanide, Total	0.030		0.010	0.0060	mg/L	1	4500 CN E-2011	Total/NA

Client Sample ID: MW-50

Analyte	Result (Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Benzene	42		1.0	0.41	ug/L		8260C	Total/NA
Toluene	4.5		1.0	0.51	ug/L	1	8260C	Total/NA
Ethylbenzene	9.4		1.0	0.74	ug/L	1	8260C	Total/NA
m-Xylene & p-Xylene	3.4		2.0	0.66	ug/L	1	8260C	Total/NA
o-Xylene	5.7		1.0	0.76	ug/L	1	8260C	Total/NA
Xylenes, Total	9.1		2.0	0.66	ug/L	1	8260C	Total/NA
Total BTEX	65		2.0	1.0	ug/L	1	8260C	Total/NA
Acenaphthene	24 .	J	25	2.1	ug/L	5	8270D	Total/NA
Acenaphthylene	20 .	J	25	1.9	ug/L	5	8270D	Total/NA
Anthracene	5.8	J	25	1.4	ug/L	5	8270D	Total/NA
Fluoranthene	6.4	J	25	2.0	ug/L	5	8270D	Total/NA
Fluorene	26		25	1.8	ug/L	5	8270D	Total/NA
Naphthalene	14 .	J	25	3.8	ug/L	5	8270D	Total/NA
Phenanthrene	32	В	25	2.2	ug/L	5	8270D	Total/NA
Pyrene	4.2	J	25	1.7	ug/L	5	8270D	Total/NA
Cyanide, Total	0.21		0.010	0.0060	mg/L	1	4500 CN E-2011	Total/NA
lient Sample ID: EB-1						Lab San	nple ID: 480-	175549-8

No Detections.

Client Sample ID: TRIP BLANK

No Detections.

This Detection Summary does not include radiochemical test results.

Job ID: 480-175549-1

Lab Sample ID: 480-175549-6 5

Lab Sample ID: 480-175549-9

5

6

13

Lab Sample ID: 480-175549-1 **Matrix: Water**

Date Collected: 09/22/20 14:35 Date Received: 09/24/20 14:15

Client Sample ID: MW-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/26/20 20:15	1
Toluene	ND		1.0	0.51	ug/L			09/26/20 20:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/26/20 20:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/26/20 20:15	1
o-Xylene	ND		1.0	0.76	ug/L			09/26/20 20:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/20 20:15	1
Total BTEX	ND		2.0	1.0	ug/L			09/26/20 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120			-		09/26/20 20:15	1
1,2-Dichloroethane-d4 (Surr)	113		77 - 120					09/26/20 20:15	1
4-Bromofluorobenzene (Surr)	99		73 - 120					09/26/20 20:15	1
Dibromofluoromethane (Surr)	107		75 - 123					09/26/20 20:15	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		09/28/20 15:17	09/30/20 17:10	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/28/20 15:17	09/30/20 17:10	1
Anthracene	ND		5.0	0.28	ug/L		09/28/20 15:17	09/30/20 17:10	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/28/20 15:17	09/30/20 17:10	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/28/20 15:17	09/30/20 17:10	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/28/20 15:17	09/30/20 17:10	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/28/20 15:17	09/30/20 17:10	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/28/20 15:17	09/30/20 17:10	1
Chrysene	ND		5.0	0.33	ug/L		09/28/20 15:17	09/30/20 17:10	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/28/20 15:17	09/30/20 17:10	1
Fluoranthene	ND		5.0	0.40	ug/L		09/28/20 15:17	09/30/20 17:10	1
Fluorene	ND		5.0	0.36	ug/L		09/28/20 15:17	09/30/20 17:10	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/28/20 15:17	09/30/20 17:10	1
Naphthalene	ND		5.0	0.76	ug/L		09/28/20 15:17	09/30/20 17:10	1
Phenanthrene	ND		5.0	0.44	ug/L		09/28/20 15:17	09/30/20 17:10	1
Pyrene	ND		5.0	0.34	ug/L		09/28/20 15:17	09/30/20 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	103		48 - 120				09/28/20 15:17	09/30/20 17:10	1
Nitrobenzene-d5 (Surr)	103		46 - 120				09/28/20 15:17	09/30/20 17:10	1
p-Terphenyl-d14 (Surr)	81		60 - 148				09/28/20 15:17	09/30/20 17:10	1
 General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.11		0.010	0.0060	mg/L		09/29/20 10:36	09/29/20 12:24	1

Client Sample ID: MW-5 Date Collected: 09/22/20 15:35 Date Received: 09/24/20 14:15

Lab Sample ID: 480-175549-2 **Matrix: Water**

Method: 8260C - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL MDL Unit Prepared D Analyzed Dil Fac 42 09/26/20 20:39 Benzene 1.0 0.41 ug/L 1 **Toluene** 4.2 1.0 0.51 ug/L 09/26/20 20:39 1 Ethylbenzene 8.7 1.0 0.74 ug/L 09/26/20 20:39 1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project Job ID: 480-175549-1

Lab Sample ID: 480-175549-2

Client Sample ID: MW-5 Date Collected: 09/22/20 15:35 Date Received: 09/24/20 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	3.4		2.0	0.66	ug/L			09/26/20 20:39	1
o-Xylene	5.3		1.0	0.76	ug/L			09/26/20 20:39	1
Xylenes, Total	8.7		2.0	0.66	ug/L			09/26/20 20:39	1
Total BTEX	64		2.0	1.0	ug/L			09/26/20 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120			-		09/26/20 20:39	1
1,2-Dichloroethane-d4 (Surr)	113		77 - 120					09/26/20 20:39	1
4-Bromofluorobenzene (Surr)	105		73 - 120					09/26/20 20:39	1
Dibromofluoromethane (Surr)	106		75 - 123					09/26/20 20:39	

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	22	J	25	2.1	ug/L		09/25/20 08:16	09/28/20 22:01	5
Acenaphthylene	19	J	25	1.9	ug/L		09/25/20 08:16	09/28/20 22:01	5
Anthracene	6.0	J	25	1.4	ug/L		09/25/20 08:16	09/28/20 22:01	5
Benzo[a]anthracene	ND		25	1.8	ug/L		09/25/20 08:16	09/28/20 22:01	5
Benzo[a]pyrene	ND		25	2.4	ug/L		09/25/20 08:16	09/28/20 22:01	5
Benzo[b]fluoranthene	ND	* *1	25	1.7	ug/L		09/25/20 08:16	09/28/20 22:01	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		09/25/20 08:16	09/28/20 22:01	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		09/25/20 08:16	09/28/20 22:01	5
Chrysene	ND		25	1.7	ug/L		09/25/20 08:16	09/28/20 22:01	5
Dibenz(a,h)anthracene	ND	*1	25	2.1	ug/L		09/25/20 08:16	09/28/20 22:01	5
Fluoranthene	6.2	J	25	2.0	ug/L		09/25/20 08:16	09/28/20 22:01	5
Fluorene	24	J	25	1.8	ug/L		09/25/20 08:16	09/28/20 22:01	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		09/25/20 08:16	09/28/20 22:01	5
Naphthalene	13	J	25	3.8	ug/L		09/25/20 08:16	09/28/20 22:01	5
Phenanthrene	29	В	25	2.2	ug/L		09/25/20 08:16	09/28/20 22:01	5
Pyrene	4.0	J	25	1.7	ug/L		09/25/20 08:16	09/28/20 22:01	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	101		48 - 120				09/25/20 08:16	09/28/20 22:01	5
Nitrobenzene-d5 (Surr)	94		46 - 120				09/25/20 08:16	09/28/20 22:01	5
p-Terphenyl-d14 (Surr)	93		60 - 148				09/25/20 08:16	09/28/20 22:01	5
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.22		0.010	0.0060	mg/L		09/29/20 10:36	09/29/20 12:26	1

Client Sample ID: MW-6 Date Collected: 09/23/20 08:05 Date Received: 09/24/20 14:15

Method: 8260C - Volatile O	rganic Compounds by GC/	MS					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	1.0	0.41 ug/L			09/26/20 21:03	1
Toluene	ND	1.0	0.51 ug/L			09/26/20 21:03	1
Ethylbenzene	ND	1.0	0.74 ug/L			09/26/20 21:03	1
m-Xylene & p-Xylene	ND	2.0	0.66 ug/L			09/26/20 21:03	1
o-Xylene	ND	1.0	0.76 ug/L			09/26/20 21:03	1
Xylenes, Total	ND	2.0	0.66 ug/L			09/26/20 21:03	1

Eurofins TestAmerica, Buffalo

Lab Sample ID: 480-175549-3

Matrix: Water

5

6

Matrix: Water

5

6

Lab Sample ID: 480-175549-3 Matrix: Water

Date Collected: 09/23/20 08:05 Date Received: 09/24/20 14:15

Total BTEX

Client Sample ID: MW-6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	ND		2.0	1.0	ug/L			09/26/20 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120				·	09/26/20 21:03	1
1,2-Dichloroethane-d4 (Surr)	112		77 - 120					09/26/20 21:03	1
4-Bromofluorobenzene (Surr)	104		73 - 120					09/26/20 21:03	1
Dibromofluoromethane (Surr)	105		75 - 123					09/26/20 21:03	1
Method: 8270D - Semivolatile	Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/L		09/25/20 08:16	09/28/20 22:31	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/25/20 08:16	09/28/20 22:31	1
Anthracene	ND		5.0	0.28	ug/L		09/25/20 08:16	09/28/20 22:31	1
Benzo[a]anthracene	ND		5.0		ug/L		09/25/20 08:16	09/28/20 22:31	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/25/20 08:16	09/28/20 22:31	1
Benzo[b]fluoranthene	ND	* *1	5.0	0.34	.		09/25/20 08:16	09/28/20 22:31	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/25/20 08:16	09/28/20 22:31	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/25/20 08:16	09/28/20 22:31	1
Chrysene	ND		5.0	0.33	ug/L		09/25/20 08:16	09/28/20 22:31	1
Dibenz(a,h)anthracene	ND	*1	5.0	0.42	ug/L		09/25/20 08:16	09/28/20 22:31	1
Fluoranthene	ND		5.0		ug/L		09/25/20 08:16	09/28/20 22:31	1
Fluorene	ND		5.0	0.36	ug/L		09/25/20 08:16	09/28/20 22:31	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/25/20 08:16	09/28/20 22:31	1
Naphthalene	ND		5.0	0.76	ug/L		09/25/20 08:16	09/28/20 22:31	1
Phenanthrene	ND		5.0	0.44	ug/L		09/25/20 08:16	09/28/20 22:31	1
Pyrene	ND		5.0	0.34	ug/L		09/25/20 08:16	09/28/20 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	106		48 - 120				09/25/20 08:16	09/28/20 22:31	1
Nitrobenzene-d5 (Surr)	103		46 - 120				09/25/20 08:16	09/28/20 22:31	1
p-Terphenyl-d14 (Surr)	95		60 - 148				09/25/20 08:16	09/28/20 22:31	1
General Chemistry									
Analyte		Qualifier	RL	MDL	-	<u>D</u>	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.068		0.010	0.0060	mg/L		09/29/20 13:50	09/29/20 15:19	1
lient Sample ID: MW-8R						La	b Sample	ID: 480-175	
Date Collected: 09/23/20 10:10 Date Received: 09/24/20 14:15								Matrix	: Water
Method: 8260C - Volatile Orga	nic Compo	unds by G	C/MS						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4900		100		ug/L			09/28/20 11:47	100
Toluene	160		100	51	ug/L			09/28/20 11:47	100
Ethylbenzene	380		100	74	ug/L			09/28/20 11:47	100
m-Xylene & p-Xylene	1600		200	66	ug/L			09/28/20 11:47	100
o-Xylene	520		100	76	ug/L			09/28/20 11:47	100
Xylenes, Total	2100		200	66	ug/L			09/28/20 11:47	100

09/28/20 11:47

200

100 ug/L

7600

100

Job ID: 480-175549-1

Lab Sample ID: 480-175549-4

Client Sample ID: MW-8R Date Collected: 09/23/20 10:10 Date Received: 09/24/20 14:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		09/28/20 11:47	100
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		09/28/20 11:47	100
4-Bromofluorobenzene (Surr)	109		73 - 120		09/28/20 11:47	100
Dibromofluoromethane (Surr)	106		75 - 123		09/28/20 11:47	100

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	95	J	100	8.2	ug/L		09/25/20 08:16	09/28/20 23:01	20
Acenaphthylene	8.1	J	100	7.6	ug/L		09/25/20 08:16	09/28/20 23:01	20
Anthracene	7.6	J	100	5.6	ug/L		09/25/20 08:16	09/28/20 23:01	20
Benzo[a]anthracene	ND		100	7.2	ug/L		09/25/20 08:16	09/28/20 23:01	20
Benzo[a]pyrene	ND		100	9.4	ug/L		09/25/20 08:16	09/28/20 23:01	20
Benzo[b]fluoranthene	ND	* *1	100	6.8	ug/L		09/25/20 08:16	09/28/20 23:01	20
Benzo[g,h,i]perylene	ND		100	7.0	ug/L		09/25/20 08:16	09/28/20 23:01	20
Benzo[k]fluoranthene	ND		100	15	ug/L		09/25/20 08:16	09/28/20 23:01	20
Chrysene	ND		100	6.6	ug/L		09/25/20 08:16	09/28/20 23:01	20
Dibenz(a,h)anthracene	ND	*1	100	8.4	ug/L		09/25/20 08:16	09/28/20 23:01	20
Fluoranthene	ND		100	8.0	ug/L		09/25/20 08:16	09/28/20 23:01	20
Fluorene	41	J	100	7.2	ug/L		09/25/20 08:16	09/28/20 23:01	20
Indeno[1,2,3-cd]pyrene	ND		100	9.4	ug/L		09/25/20 08:16	09/28/20 23:01	20
Phenanthrene	47	JB	100	8.8	ug/L		09/25/20 08:16	09/28/20 23:01	20
Pyrene	ND		100	6.8	ug/L		09/25/20 08:16	09/28/20 23:01	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		48 - 120				09/25/20 08:16	09/28/20 23:01	20
Nitrobenzene-d5 (Surr)	90		46 - 120				09/25/20 08:16	09/28/20 23:01	20
p-Terphenyl-d14 (Surr)	74		60 - 148				09/25/20 08:16	09/28/20 23:01	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	2300		500	76	ug/L		09/25/20 08:16	09/29/20 19:27	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	94		48 - 120				09/25/20 08:16	09/29/20 19:27	100
Nitrobenzene-d5 (Surr)	130	X	46 - 120				09/25/20 08:16	09/29/20 19:27	100
p-Terphenyl-d14 (Surr)	95		60 - 148				09/25/20 08:16	09/29/20 19:27	100
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.15		0.010	0.0060	mg/L		09/29/20 13:50	09/29/20 15:20	1
Client Sample ID: MW-9R						La	ab Sample	ID: 480-175	549-5
Date Collected: 09/23/20 12:10								Matrix	Water

Date Received: 09/24/20 14:15

Method: 8260C - Volatile Organic Compounds by GC/MS								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	1.0	0.41	ug/L			09/26/20 21:51	1
Toluene	ND	1.0	0.51	ug/L			09/26/20 21:51	1
Ethylbenzene	ND	1.0	0.74	ug/L			09/26/20 21:51	1
m-Xylene & p-Xylene	ND	2.0	0.66	ug/L			09/26/20 21:51	1
o-Xylene	ND	1.0	0.76	ug/L			09/26/20 21:51	1

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Matrix: Water

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Lab Sample ID: 480-175549-5 Matrix: Water

Date Collected: 09/23/20 12:10 Date Received: 09/24/20 14:15

Client Sample ID: MW-9R

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/20 21:51	1
Total BTEX	ND		2.0	1.0	ug/L			09/26/20 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					09/26/20 21:51	1
1,2-Dichloroethane-d4 (Surr)	108		77 - 120					09/26/20 21:51	1
4-Bromofluorobenzene (Surr)	100		73 - 120					09/26/20 21:51	1
Dibromofluoromethane (Surr)	102		75 - 123					09/26/20 21:51	1
Method: 8270D - Semivola	tile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		25	2.1	ug/L		09/25/20 08:16	09/28/20 23:31	5
Acenaphthylene	ND		25	1.9	ug/L		09/25/20 08:16	09/28/20 23:31	5
Anthracene	ND		25	1.4	ug/L		09/25/20 08:16	09/28/20 23:31	5
Benzo[a]anthracene	ND		25	1.8	ug/L		09/25/20 08:16	09/28/20 23:31	5
Benzo[a]pyrene	ND		25	2.4	ug/L		09/25/20 08:16	09/28/20 23:31	5
Benzo[b]fluoranthene	ND	* *1	25	1.7	ug/L		09/25/20 08:16	09/28/20 23:31	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		09/25/20 08:16	09/28/20 23:31	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		09/25/20 08:16	09/28/20 23:31	5
Chrysene	ND		25	1.7	ug/L		09/25/20 08:16	09/28/20 23:31	5
Dibenz(a,h)anthracene	ND	*1	25	2.1	ug/L		09/25/20 08:16	09/28/20 23:31	5
Fluoranthene	ND		25	2.0	ug/L		09/25/20 08:16	09/28/20 23:31	5
Fluorene	ND		25	1.8	ug/L		09/25/20 08:16	09/28/20 23:31	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		09/25/20 08:16	09/28/20 23:31	5
Naphthalene	ND		25	3.8	ug/L		09/25/20 08:16	09/28/20 23:31	5
Phenanthrene	ND		25	2.2	ug/L		09/25/20 08:16	09/28/20 23:31	5
Pyrene	ND		25	1.7	ug/L		09/25/20 08:16	09/28/20 23:31	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	94		48 - 120				09/25/20 08:16	09/28/20 23:31	5
Nitrobenzene-d5 (Surr)	87		46 - 120				09/25/20 08:16	09/28/20 23:31	5
p-Terphenyl-d14 (Surr)	75		60 - 148				09/25/20 08:16	09/28/20 23:31	5
General Chemistry									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.080		0.010	0.0060	mg/L		09/29/20 13:50	09/29/20 15:22	1

Client Sample ID: MW-10R

Date Collected: 09/22/20 16:55 Date Received: 09/24/20 14:15

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	24	1.0	0.41	ug/L			09/26/20 22:15	1
Toluene	ND	1.0	0.51	ug/L			09/26/20 22:15	1
Ethylbenzene	ND	1.0	0.74	ug/L			09/26/20 22:15	1
m-Xylene & p-Xylene	0.95 J	2.0	0.66	ug/L			09/26/20 22:15	1
o-Xylene	ND	1.0	0.76	ug/L			09/26/20 22:15	1
Xylenes, Total	0.95 J	2.0	0.66	ug/L			09/26/20 22:15	1
Total BTEX	25	2.0	1.0	ug/L			09/26/20 22:15	1

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Matrix: Water

Job ID: 480-175549-1

Client Sample ID: MW-10R Date Collected: 09/22/20 16:55 Date Received: 09/24/20 14:15

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98	80 - 120		09/26/20 22:15	1
1,2-Dichloroethane-d4 (Surr)	108	77 - 120		09/26/20 22:15	1
4-Bromofluorobenzene (Surr)	103	73 - 120		09/26/20 22:15	1
Dibromofluoromethane (Surr)	102	75 - 123		09/26/20 22:15	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.0	J	5.0	0.41	ug/L		09/25/20 08:16	09/29/20 00:02	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/25/20 08:16	09/29/20 00:02	1
Anthracene	ND		5.0	0.28	ug/L		09/25/20 08:16	09/29/20 00:02	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/25/20 08:16	09/29/20 00:02	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/25/20 08:16	09/29/20 00:02	1
Benzo[b]fluoranthene	ND	* *1	5.0	0.34	ug/L		09/25/20 08:16	09/29/20 00:02	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/25/20 08:16	09/29/20 00:02	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/25/20 08:16	09/29/20 00:02	1
Chrysene	ND		5.0	0.33	ug/L		09/25/20 08:16	09/29/20 00:02	1
Dibenz(a,h)anthracene	ND	*1	5.0	0.42	ug/L		09/25/20 08:16	09/29/20 00:02	1
Fluoranthene	ND		5.0	0.40	ug/L		09/25/20 08:16	09/29/20 00:02	1
Fluorene	ND		5.0	0.36	ug/L		09/25/20 08:16	09/29/20 00:02	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/25/20 08:16	09/29/20 00:02	1
Naphthalene	3.5	J	5.0	0.76	ug/L		09/25/20 08:16	09/29/20 00:02	1
Phenanthrene	0.53	JB	5.0	0.44	ug/L		09/25/20 08:16	09/29/20 00:02	1
Pyrene	ND		5.0	0.34	ug/L		09/25/20 08:16	09/29/20 00:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	121	X	48 - 120				09/25/20 08:16	09/29/20 00:02	1
Nitrobenzene-d5 (Surr)	115		46 - 120				09/25/20 08:16	09/29/20 00:02	1
p-Terphenyl-d14 (Surr)	102		60 - 148				09/25/20 08:16	09/29/20 00:02	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.030		0.010	0.0060	mg/L		09/29/20 10:36	09/29/20 12:27	1

Client Sample ID: MW-50 Date Collected: 09/22/20 15:40

Date Received: 09/24/20 14:15

Analyte	Result Quali	fier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	42	1.0	0.41	ug/L			09/26/20 22:40	1
Toluene	4.5	1.0	0.51	ug/L			09/26/20 22:40	1
Ethylbenzene	9.4	1.0	0.74	ug/L			09/26/20 22:40	1
m-Xylene & p-Xylene	3.4	2.0	0.66	ug/L			09/26/20 22:40	1
o-Xylene	5.7	1.0	0.76	ug/L			09/26/20 22:40	1
Xylenes, Total	9.1	2.0	0.66	ug/L			09/26/20 22:40	1
Total BTEX	65	2.0	1.0	ug/L			09/26/20 22:40	1
Surrogate	%Recovery Quali	ifier Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100	80 - 120					09/26/20 22:40	1
1,2-Dichloroethane-d4 (Surr)	112	77 - 120					09/26/20 22:40	1
4-Bromofluorobenzene (Surr)	104	73 - 120					09/26/20 22:40	1

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Lab Sample ID: 480-175549-7

Matrix: Water

Matrix: Water

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6

Lab Sample ID: 480-175549-6

Client Sample Results

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

Job ID: 480-175549-1

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Lab Sample ID: 480-175549-7 Matrix: Water

Date Collected: 09/22/20 15:40 Date Received: 09/24/20 14:15

Client Sample ID: MW-50

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		75 - 123				·	09/26/20 22:40	1
Mathadi 0270D Caminalati									
Method: 8270D - Semivolati Analyte		Qualifier	(GC/MS) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	24		25	2.1	ug/L		09/25/20 08:16	09/29/20 00:32	5
Acenaphthylene	24	J	25	1.9	ug/L		09/25/20 08:16	09/29/20 00:32	5
Anthracene	5.8	•	25		ug/L		09/25/20 08:16	09/29/20 00:32	5
Benzo[a]anthracene	ND	.	25		ug/L			09/29/20 00:32	
Benzo[a]pyrene	ND		25		ug/L				5
Benzo[b]fluoranthene		* *1	25		ug/L		09/25/20 08:16		5
Benzo[g,h,i]perylene	ND		25		ug/L			09/29/20 00:32	
Benzo[k]fluoranthene	ND		25		ug/L		09/25/20 08:16		5
Chrysene	ND		25		ug/L			09/29/20 00:32	5
Dibenz(a,h)anthracene	ND	*1	25		ug/L			09/29/20 00:32	5
Fluoranthene	6.4		25	2.0	ug/L				5
Fluorene	26	•	25		ug/L			09/29/20 00:32	5
Indeno[1,2,3-cd]pyrene	ND		_0 25		ug/L			09/29/20 00:32	5
Naphthalene	14	J	25		ug/L			09/29/20 00:32	5
Phenanthrene	32	-	25		ug/L			09/29/20 00:32	5
Pyrene	4.2		25		ug/L			09/29/20 00:32	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl			48 - 120				09/25/20 08:16	09/29/20 00:32	
Nitrobenzene-d5 (Surr)	95		46 - 120					09/29/20 00:32	5
p-Terphenyl-d14 (Surr)	77		60 - 148					09/29/20 00:32	5
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.21		0.010	0.0060			09/29/20 10:36	09/29/20 12:29	1

Date Collected: 09/23/20 12:30

Date Received: 09/24/20 14:15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/26/20 23:04	1
Toluene	ND		1.0	0.51	ug/L			09/26/20 23:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/26/20 23:04	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/26/20 23:04	1
o-Xylene	ND		1.0	0.76	ug/L			09/26/20 23:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/20 23:04	1
Total BTEX	ND		2.0	1.0	ug/L			09/26/20 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120					09/26/20 23:04	1
1,2-Dichloroethane-d4 (Surr)	113		77 - 120					09/26/20 23:04	1
4-Bromofluorobenzene (Surr)	105		73 - 120					09/26/20 23:04	1
Dibromofluoromethane (Surr)	105		75 - 123					09/26/20 23:04	1

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

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6

Lab Sample ID: 480-175549-8 Matrix: Water

Lab Sample ID: 480-175549-9

Matrix: Water

Date Collected: 09/23/20 12:30 Date Received: 09/24/20 14:15

Client Sample ID: EB-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		09/25/20 08:16	09/29/20 19:57	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/25/20 08:16	09/29/20 19:57	1
Anthracene	ND		5.0	0.28	ug/L		09/25/20 08:16	09/29/20 19:57	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/25/20 08:16	09/29/20 19:57	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/25/20 08:16	09/29/20 19:57	1
Benzo[b]fluoranthene	ND	* *1	5.0	0.34	ug/L		09/25/20 08:16	09/29/20 19:57	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/25/20 08:16	09/29/20 19:57	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/25/20 08:16	09/29/20 19:57	1
Chrysene	ND		5.0	0.33	ug/L		09/25/20 08:16	09/29/20 19:57	1
Dibenz(a,h)anthracene	ND	*1	5.0	0.42	ug/L		09/25/20 08:16	09/29/20 19:57	1
Fluoranthene	ND		5.0	0.40	ug/L		09/25/20 08:16	09/29/20 19:57	1
Fluorene	ND		5.0	0.36	ug/L		09/25/20 08:16	09/29/20 19:57	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/25/20 08:16	09/29/20 19:57	1
Naphthalene	ND		5.0	0.76	ug/L		09/25/20 08:16	09/29/20 19:57	1
Phenanthrene	ND		5.0	0.44	ug/L		09/25/20 08:16	09/29/20 19:57	1
Pyrene	ND		5.0	0.34	ug/L		09/25/20 08:16	09/29/20 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	116		48 - 120				09/25/20 08:16	09/29/20 19:57	1
Nitrobenzene-d5 (Surr)	113		46 - 120				09/25/20 08:16	09/29/20 19:57	1
p-Terphenyl-d14 (Surr)	120		60 - 148				09/25/20 08:16	09/29/20 19:57	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		09/29/20 13:50	09/29/20 15:24	1

Client Sample ID: TRIP BLANK Date Collected: 09/22/20 13:00

Date Received: 09/24/20 14:15

Method: 8260C - Volatile O	rganic Compounds	by GC/MS						
Analyte	Result Quali	fier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	1.0	0.41	ug/L			09/26/20 23:28	1
Toluene	ND	1.0	0.51	ug/L			09/26/20 23:28	1
Ethylbenzene	ND	1.0	0.74	ug/L			09/26/20 23:28	1
m-Xylene & p-Xylene	ND	2.0	0.66	ug/L			09/26/20 23:28	1
o-Xylene	ND	1.0	0.76	ug/L			09/26/20 23:28	1
Xylenes, Total	ND	2.0	0.66	ug/L			09/26/20 23:28	1
Total BTEX	ND	2.0	1.0	ug/L			09/26/20 23:28	1
Surrogate	%Recovery Quali	ifier Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101	80 - 120					09/26/20 23:28	1
1,2-Dichloroethane-d4 (Surr)	109	77 - 120					09/26/20 23:28	1
4-Bromofluorobenzene (Surr)	102	73 - 120					09/26/20 23:28	1
Dibromofluoromethane (Surr)	107	75 - 123					09/26/20 23:28	1

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

			Pe	ercent Surro	ogate Recovery (A	cceptance Limits	5)
		TOL	DCA	BFB	DBFM		
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)		
480-175549-1	 MW-1	100	113	99	107		
480-175549-2	MW-5	100	113	105	106		
480-175549-3	MW-6	100	112	104	105		
480-175549-4	MW-8R	103	97	109	106		
480-175549-4 MS	MW-8R	109	107	111	110		
480-175549-4 MSD	MW-8R	106	103	107	107		
480-175549-5	MW-9R	99	108	100	102		
480-175549-6	MW-10R	98	108	103	102		
480-175549-7	MW-50	100	112	104	103		
480-175549-8	EB-1	97	113	105	105		
480-175549-9	TRIP BLANK	101	109	102	107		
LCS 480-551375/5	Lab Control Sample	99	104	102	102		
LCS 480-551444/5	Lab Control Sample	107	98	108	102		
MB 480-551375/7	Method Blank	99	112	100	107		
MB 480-551444/7	Method Blank	103	102	107	105		
Surrogate Legend							
TOL = Toluene-d8 (S	urr)						
DCA = 1,2-Dichloroet	thane-d4 (Surr)						
BFB = 4-Bromofluoro	benzene (Surr)						
DBFM = Dibromofluo	promethane (Surr)						

Method: 8270D - Semivolatile Organic Compounds (GC/MS) Matrix: Water

Percent Surrogate Recovery (Acceptance Limits) FBP NBZ TPHd14 (46-120) (60-148) Lab Sample ID **Client Sample ID** (48 - 120)480-175549-1 MW-1 103 103 81 480-175549-2 MW-5 101 94 93 480-175549-3 MW-6 103 106 95 74 480-175549-4 MW-8R 88 90 480-175549-4 - DL MW-8R 94 130 X 95 480-175549-5 MW-9R 94 87 75 480-175549-6 **MW-10R** 102 121 X 115 480-175549-7 MW-50 101 95 77 120 480-175549-8 EB-1 116 113 LCS 480-551196/2-A Lab Control Sample 103 100 112 LCS 480-551546/2-A Lab Control Sample 97 102 100 LCSD 480-551196/3-A Lab Control Sample Dup 116 108 123 MB 480-551196/1-A Method Blank 117 116 133 MB 480-551546/1-A Method Blank 92 96 106

Surrogate Legend

FBP = 2-Fluorobiphenyl

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Prep Type: Total/NA

Prep Type: Total/NA

8

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

....

....

Lab Sample ID: MB 480-551375/7 **Matrix: Water**

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Batch: 551375 MB MB Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac Benzene ND 1.0 0.41 ug/L 09/26/20 16:40 1 Toluene ND 1.0 0.51 ug/L 09/26/20 16:40 1 Ethylbenzene ND 0.74 ug/L 1.0 09/26/20 16:40 1 m-Xylene & p-Xylene ND 2.0 0.66 ug/L 09/26/20 16:40 1 o-Xylene ND 0.76 ug/L 1.0 09/26/20 16:40 1 Xylenes, Total ND 2.0 0.66 ug/L 09/26/20 16:40 1 Total BTEX ND 2.0 1.0 ug/L 09/26/20 16:40 1

	МВ	мв					
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
Toluene-d8 (Surr)	99		80 - 120		09/26/20 16:40	1	
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		09/26/20 16:40	1	
4-Bromofluorobenzene (Surr)	100		73 - 120		09/26/20 16:40	1	
Dibromofluoromethane (Surr)	107		75 - 123		09/26/20 16:40	1	

Lab Sample ID: LCS 480-551375/5 **Matrix: Water** Analysis Batch: 551375

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	25.0	22.8		ug/L		91	71 - 124	
Toluene	25.0	22.8		ug/L		91	80 - 122	
Ethylbenzene	25.0	23.4		ug/L		93	77 - 123	
m-Xylene & p-Xylene	25.0	23.3		ug/L		93	76 - 122	
o-Xvlene	25.0	22.9		ua/L		91	76 - 122	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

Lab Sample ID: MB 480-551444/7 **Matrix: Water** Analysis Batch: 551444

	MB	мв							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/28/20 10:23	1
Toluene	ND		1.0	0.51	ug/L			09/28/20 10:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/28/20 10:23	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/28/20 10:23	1
o-Xylene	ND		1.0	0.76	ug/L			09/28/20 10:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/28/20 10:23	1
Total BTEX	ND		2.0	1.0	ug/L			09/28/20 10:23	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120					09/28/20 10:23	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					09/28/20 10:23	1

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Client Sample ID: Method Blank

Prep Type: Total/NA

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

Job ID: 480-175549-1

5

8

		Client	Sar	nple ID	: Lab Control Sample Prep Type: Total/NA
LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Lab Sample ID: MB 480-551444/7 **Matrix: Water**

Analysis Batch: 551444

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		73 - 120		09/28/20 10:23	1
Dibromofluoromethane (Surr)	105		75 - 123		09/28/20 10:23	1

Lab Sample ID: LCS 480-551444/5 **Matrix: Water** Analysis Batch: 551444

-			Spike	LCS	LCS				%Rec.
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene			25.0	24.9		ug/L		99	71 - 124
Toluene			25.0	25.3		ug/L		101	80 - 122
Ethylbenzene			25.0	25.2		ug/L		101	77 - 123
m-Xylene & p-Xylene			25.0	26.1		ug/L		104	76 - 122
o-Xylene			25.0	25.8		ug/L		103	76 - 122
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	107		80 - 120						
1,2-Dichloroethane-d4 (Surr)	98		77 - 120						

73 - 120

75 - 123

Lab Sample ID: 480-175549-4 MS **Matrix: Water** Analysis Batch: 551444

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

-	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	4900		2500	7610		ug/L		107	71 - 124	
Toluene	160		2500	2810		ug/L		106	80 - 122	
Ethylbenzene	380		2500	3080		ug/L		108	77 - 123	
m-Xylene & p-Xylene	1600		2500	4490		ug/L		114	76 - 122	
o-Xylene	520		2500	3270		ug/L		110	76 - 122	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	109		80 - 120
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	111		73 - 120
Dibromofluoromethane (Surr)	110		75 - 123

108

102

Lab Sample ID: 480-175549-4 MSD Matrix: Water Analysis Batch: 551444

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	4900		2500	7550		ug/L		105	71 - 124	1	13
Toluene	160		2500	2770		ug/L		104	80 - 122	1	15
Ethylbenzene	380		2500	3080		ug/L		108	77 - 123	0	15
m-Xylene & p-Xylene	1600		2500	4430		ug/L		112	76 - 122	1	16
o-Xylene	520		2500	3240		ug/L		109	76 - 122	1	16

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Client Sample ID: MW-8R

Prep Type: Total/NA

Client Sample ID: MW-8R

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: MW-8R

Client Sample ID: Method Blank

500 ID. 40

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

Lab Sample ID: 480-175549-4 MSD Matrix: Water Analysis Batch: 551444

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	106		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-551196/1-A Matrix: Water Analysis Batch: 551478

								· · · · · · · · · · · · · · · · · · ·	
Analysis Batch: 551478								Prep Batch:	551196
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		09/25/20 08:16	09/28/20 15:00	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/25/20 08:16	09/28/20 15:00	1
Anthracene	ND		5.0	0.28	ug/L		09/25/20 08:16	09/28/20 15:00	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/25/20 08:16	09/28/20 15:00	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/25/20 08:16	09/28/20 15:00	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/25/20 08:16	09/28/20 15:00	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/25/20 08:16	09/28/20 15:00	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/25/20 08:16	09/28/20 15:00	1
Chrysene	ND		5.0	0.33	ug/L		09/25/20 08:16	09/28/20 15:00	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/25/20 08:16	09/28/20 15:00	1
Fluoranthene	ND		5.0	0.40	ug/L		09/25/20 08:16	09/28/20 15:00	1
Fluorene	ND		5.0	0.36	ug/L		09/25/20 08:16	09/28/20 15:00	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/25/20 08:16	09/28/20 15:00	1
Naphthalene	ND		5.0	0.76	ug/L		09/25/20 08:16	09/28/20 15:00	1
Phenanthrene	0.445	J	5.0	0.44	ug/L		09/25/20 08:16	09/28/20 15:00	1
Pyrene	ND		5.0	0.34	ug/L		09/25/20 08:16	09/28/20 15:00	1

	MB MB				
Surrogate	%Recovery Quali	fier Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	117	48 - 120	09/25/20 08:16	09/28/20 15:00	1
Nitrobenzene-d5 (Surr)	116	46 - 120	09/25/20 08:16	09/28/20 15:00	1
p-Terphenyl-d14 (Surr)	133	60 - 148	09/25/20 08:16	09/28/20 15:00	1

Lab Sample ID: LCS 480-551196/2-A Matrix: Water Analysis Batch: 551478

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 551196

	Spike	LCS	105				%Rec.
Analyta	•			11		0/ 🗖	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acenaphthene	32.0	31.7		ug/L		99	60 - 120
Acenaphthylene	32.0	33.0		ug/L		103	63 - 120
Anthracene	32.0	32.4		ug/L		101	67 - 120
Benzo[a]anthracene	32.0	33.0		ug/L		103	70 - 121
Benzo[a]pyrene	32.0	32.5		ug/L		102	60 - 123
Benzo[b]fluoranthene	32.0	33.6		ug/L		105	66 - 126
Benzo[g,h,i]perylene	32.0	32.8		ug/L		103	66 - 150
Benzo[k]fluoranthene	32.0	34.7		ug/L		109	65 - 124
Chrysene	32.0	32.7		ug/L		102	69 - 120

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LCS LCS

32.6

33.4

33.2

32.9

31.0

33.6

34.8

Result Qualifier

Unit

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

Spike

Added

32.0

32.0

32.0

32.0

32.0

32.0

32.0

Limits

48 - 120

46 - 120

60 - 148

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

LCS LCS

%Recovery Qualifier

103

100

112

Job ID: 480-175549-1

Prep Type: Total/NA Prep Batch: 551196

Client Sample ID: Lab Control Sample

D %Rec

102

104

104

103

97

105

109

Client Sample ID: Lab Control Sample Dup

%Rec.

Limits

65 - 135

69 - 126

66 - 120

69 - 146

57 - 120

68 - 120

70 - 125

1 2 3 4 5 6 7 8 9

Prep Type: Total/NA

Lab Sample ID: LCSD 480-551196/3-A Matrix: Water Analysis Batch: 551478

Analysis Detals 554.470									-
Analysis Batch: 551478							Prep Ba	atch: 5	
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	32.0	35.8		ug/L		112	60 - 120	12	24
Acenaphthylene	32.0	36.8		ug/L		115	63 - 120	11	18
Anthracene	32.0	36.3		ug/L		113	67 - 120	11	15
Benzo[a]anthracene	32.0	37.5		ug/L		117	70_121	13	15
Benzo[a]pyrene	32.0	37.9		ug/L		118	60 - 123	15	15
Benzo[b]fluoranthene	32.0	41.0	* *1	ug/L		128	66 - 126	20	15
Benzo[g,h,i]perylene	32.0	37.4		ug/L		117	66 - 150	13	15
Benzo[k]fluoranthene	32.0	38.8		ug/L		121	65 - 124	11	22
Chrysene	32.0	36.7		ug/L		115	69 - 120	12	15
Dibenz(a,h)anthracene	32.0	38.1	*1	ug/L		119	65 - 135	16	15
Fluoranthene	32.0	38.1		ug/L		119	69 - 126	13	15
Fluorene	32.0	37.4		ug/L		117	66 - 120	12	15
Indeno[1,2,3-cd]pyrene	32.0	37.6		ug/L		117	69 - 146	13	15
Naphthalene	32.0	34.4		ug/L		107	57 - 120	10	29
Phenanthrene	32.0	37.8		ug/L		118	68 - 120	12	15
Pyrene	32.0	39.5		ug/L		123	70 - 125	13	19

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	116		48 - 120
Nitrobenzene-d5 (Surr)	108		46 - 120
p-Terphenyl-d14 (Surr)	123		60 - 148

Lab Sample ID: MB 480-551546/1-A Matrix: Water Analysis Batch: 551820

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		09/28/20 15:17	09/30/20 11:43	1
Acenaphthylene	ND		5.0	0.38	ug/L		09/28/20 15:17	09/30/20 11:43	1
Anthracene	ND		5.0	0.28	ug/L		09/28/20 15:17	09/30/20 11:43	1

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Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 551546

Analysis Batch: 551478

Dibenz(a,h)anthracene

Indeno[1,2,3-cd]pyrene

Analyte

Fluorene

Pyrene

Surrogate

2-Fluorobiphenyl

Nitrobenzene-d5 (Surr)

p-Terphenyl-d14 (Surr)

Fluoranthene

Naphthalene

Phenanthrene

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-551546/1-A Matrix: Water

Analysis Batch: 551820

	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		5.0	0.36	ug/L		09/28/20 15:17	09/30/20 11:43	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		09/28/20 15:17	09/30/20 11:43	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		09/28/20 15:17	09/30/20 11:43	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		09/28/20 15:17	09/30/20 11:43	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		09/28/20 15:17	09/30/20 11:43	1
Chrysene	ND		5.0	0.33	ug/L		09/28/20 15:17	09/30/20 11:43	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		09/28/20 15:17	09/30/20 11:43	1
Fluoranthene	ND		5.0	0.40	ug/L		09/28/20 15:17	09/30/20 11:43	1
Fluorene	ND		5.0	0.36	ug/L		09/28/20 15:17	09/30/20 11:43	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		09/28/20 15:17	09/30/20 11:43	1
Naphthalene	ND		5.0	0.76	ug/L		09/28/20 15:17	09/30/20 11:43	1
Phenanthrene	ND		5.0	0.44	ug/L		09/28/20 15:17	09/30/20 11:43	1
Pyrene	ND		5.0	0.34	ug/L		09/28/20 15:17	09/30/20 11:43	1
	МВ	МВ							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	96		48 - 120	09/28/20 15:17	09/30/20 11:43	1
Nitrobenzene-d5 (Surr)	92		46 - 120	09/28/20 15:17	09/30/20 11:43	1
p-Terphenyl-d14 (Surr)	106		60 - 148	09/28/20 15:17	09/30/20 11:43	1

Lab Sample ID: LCS 480-551546/2-A Matrix: Water Analysis Batch: 551820

Analysis Batch: 551820	Spike	LCS	LCS				Prep Batch: 551546 %Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acenaphthene	32.0	29.9		ug/L		93	60 - 120
Acenaphthylene	32.0	30.9		ug/L		97	63 - 120
Anthracene	32.0	30.6		ug/L		96	67 - 120
Benzo[a]anthracene	32.0	31.2		ug/L		98	70 - 121
Benzo[a]pyrene	32.0	31.8		ug/L		99	60 - 123
Benzo[b]fluoranthene	32.0	34.1		ug/L		106	66 - 126
Benzo[g,h,i]perylene	32.0	33.1		ug/L		104	66 - 150
Benzo[k]fluoranthene	32.0	34.8		ug/L		109	65 - 124
Chrysene	32.0	30.3		ug/L		95	69 - 120
Dibenz(a,h)anthracene	32.0	34.4		ug/L		107	65 - 135
Fluoranthene	32.0	32.3		ug/L		101	69 - 126
Fluorene	32.0	30.1		ug/L		94	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	33.3		ug/L		104	69 - 146
Naphthalene	32.0	28.9		ug/L		90	57 - 120
Phenanthrene	32.0	30.8		ug/L		96	68 - 120
Pyrene	32.0	31.5		ug/L		98	70 - 125

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	100		48 - 120
Nitrobenzene-d5 (Surr)	97		46 - 120
p-Terphenyl-d14 (Surr)	102		60 - 148

Job ID: 480-175549-1

Prep Type: Total/NA

Prep Batch: 551546

Client Sample ID: Method Blank

-3 4 5 6 7 8 9 10

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

Job ID: 480-175549-1

Method: 4500 CN E-2011 - Cyanide, Total: Colorimetric Method Lab Sample ID: MB 240-453521/1-A **Client Sample ID: Method Blank** Matrix: Water Prep Type: Total/NA Prep Batch: 453521 Analysis Batch: 453558 MB MB **Result Qualifier** RL MDL Unit Analyzed Analyte D Prepared 0.010 09/29/20 10:36 09/29/20 11:54 Cyanide, Total ND 0.0060 mg/L Lab Sample ID: LCS 240-453521/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 453558 Prep Batch: 453521 Spike LCS LCS %Rec. Added **Result Qualifier** D %Rec Limits Analyte Unit 0.238 0.249 104 85 - 115 Cyanide, Total mg/L Lab Sample ID: MRL 240-453558/10 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 453558 Spike MRL MRL %Rec. Added Result Qualifier Limits Analyte Unit D %Rec Cyanide, Total 0.0100 0.0109 109 70 - 130 mg/L Lab Sample ID: MB 240-453562/1-A **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA** Analysis Batch: 453581 **Prep Batch: 453562** MB MB Analyte **Result Qualifier** RL MDL Unit Prepared Analyzed Dil Fac D Cyanide, Total 0.010 0.0060 ma/L 09/29/20 13:50 09/29/20 15:46 ND Lab Sample ID: LCS 240-453562/2-A **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 453581 Prep Batch: 453562 LCS LCS Spike %Rec. Analyte Added Limits **Result Qualifier** Unit D %Rec Cyanide, Total 0.238 0.249 105 85 - 115 mg/L Lab Sample ID: 480-175549-8 MS Client Sample ID: EB-1 Matrix: Water Prep Type: Total/NA Analysis Batch: 453581 **Prep Batch: 453562** Sample Sample Spike MS MS %Rec. **Result Qualifier** Added **Result Qualifier** Limits Analyte Unit D %Rec 0.0400 22 - 135 Cyanide, Total ND 0.0469 mg/L 117 Lab Sample ID: 480-175549-8 MSD Client Sample ID: EB-1 Matrix: Water Prep Type: Total/NA Analysis Batch: 453581 **Prep Batch: 453562** Sample Sample Spike MSD MSD %Rec. **Result Qualifier** Added Limits **Result Qualifier** D RPD Analyte Unit %Rec 0.0400 ND 22 - 135 Cyanide, Total 0.0415 mg/L 104 12

RPD

Limit

40

QC Association Summary

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

10 11 12 13

9

Analysis Batch: 551375

GC/MS VOA

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
480-175549-1	MW-1	Total/NA	Water	8260C	
480-175549-2	MW-5	Total/NA	Water	8260C	
480-175549-3	MW-6	Total/NA	Water	8260C	
480-175549-5	MW-9R	Total/NA	Water	8260C	
480-175549-6	MW-10R	Total/NA	Water	8260C	
480-175549-7	MW-50	Total/NA	Water	8260C	
480-175549-8	EB-1	Total/NA	Water	8260C	
480-175549-9	TRIP BLANK	Total/NA	Water	8260C	
MB 480-551375/7	Method Blank	Total/NA	Water	8260C	
LCS 480-551375/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 551444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175549-4	MW-8R	Total/NA	Water	8260C	
MB 480-551444/7	Method Blank	Total/NA	Water	8260C	
LCS 480-551444/5	Lab Control Sample	Total/NA	Water	8260C	
480-175549-4 MS	MW-8R	Total/NA	Water	8260C	
480-175549-4 MSD	MW-8R	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 551196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175549-2	MW-5	Total/NA	Water	3510C	
480-175549-3	MW-6	Total/NA	Water	3510C	
480-175549-4 - DL	MW-8R	Total/NA	Water	3510C	
480-175549-4	MW-8R	Total/NA	Water	3510C	
480-175549-5	MW-9R	Total/NA	Water	3510C	
480-175549-6	MW-10R	Total/NA	Water	3510C	
480-175549-7	MW-50	Total/NA	Water	3510C	
480-175549-8	EB-1	Total/NA	Water	3510C	
MB 480-551196/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-551196/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-551196/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 551478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175549-2	MW-5	Total/NA	Water	8270D	551196
480-175549-3	MW-6	Total/NA	Water	8270D	551196
480-175549-4	MW-8R	Total/NA	Water	8270D	551196
480-175549-5	MW-9R	Total/NA	Water	8270D	551196
480-175549-6	MW-10R	Total/NA	Water	8270D	551196
480-175549-7	MW-50	Total/NA	Water	8270D	551196
MB 480-551196/1-A	Method Blank	Total/NA	Water	8270D	551196
LCS 480-551196/2-A	Lab Control Sample	Total/NA	Water	8270D	551196
LCSD 480-551196/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	551196
Prep Batch: 551546					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Lab Sample ID		Ргер туре	Matrix	wiethod	Ргер Басс
480-175549-1	MW-1	Total/NA	Water	3510C	
MB 480-551546/1-A	Method Blank	Total/NA	Water	3510C	

Eurofins TestAmerica, Buffalo

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

GC/MS Semi VOA (Continued)

Prep Batch: 551546 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-551546/2-A	Lab Control Sample	Total/NA	Water	3510C	
nalysis Batch: 5516	525				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175549-4 - DL	MW-8R	Total/NA	Water	8270D	551196
480-175549-8	EB-1	Total/NA	Water	8270D	551196
nalysis Batch: 5518	320				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175549-1	MW-1	Total/NA	Water	8270D	551546
MB 480-551546/1-A	Method Blank	Total/NA	Water	8270D	551546
LCS 480-551546/2-A	Lab Control Sample	Total/NA	Water	8270D	551546

General Chemistry

Prep Batch: 453521

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
480-175549-1	MW-1	Total/NA	Water	Distill/CN		
480-175549-2	MW-5	Total/NA	Water	Distill/CN		
480-175549-6	MW-10R	Total/NA	Water	Distill/CN		
480-175549-7	MW-50	Total/NA	Water	Distill/CN		
MB 240-453521/1-A	Method Blank	Total/NA	Water	Distill/CN		
LCS 240-453521/2-A	Lab Control Sample	Total/NA	Water	Distill/CN		

Analysis Batch: 453558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175549-1	MW-1	Total/NA	Water	4500 CN E-2011	453521
480-175549-2	MW-5	Total/NA	Water	4500 CN E-2011	453521
480-175549-6	MW-10R	Total/NA	Water	4500 CN E-2011	453521
480-175549-7	MW-50	Total/NA	Water	4500 CN E-2011	453521
MB 240-453521/1-A	Method Blank	Total/NA	Water	4500 CN E-2011	453521
LCS 240-453521/2-A	Lab Control Sample	Total/NA	Water	4500 CN E-2011	453521
MRL 240-453558/10	Lab Control Sample	Total/NA	Water	4500 CN E-2011	

Prep Batch: 453562

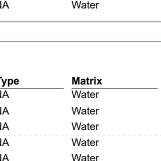
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175549-3	MW-6	Total/NA	Water	Distill/CN	
480-175549-4	MW-8R	Total/NA	Water	Distill/CN	
480-175549-5	MW-9R	Total/NA	Water	Distill/CN	
480-175549-8	EB-1	Total/NA	Water	Distill/CN	
MB 240-453562/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 240-453562/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
480-175549-8 MS	EB-1	Total/NA	Water	Distill/CN	
480-175549-8 MSD	EB-1	Total/NA	Water	Distill/CN	

Analysis Batch: 453581

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
480-175549-3	MW-6	Total/NA	Water	4500 CN E-2011	453562
480-175549-4	MW-8R	Total/NA	Water	4500 CN E-2011	453562
480-175549-5	MW-9R	Total/NA	Water	4500 CN E-2011	453562
480-175549-8	EB-1	Total/NA	Water	4500 CN E-2011	453562

Eurofins TestAmerica, Buffalo

Job ID: 480-175549-1



QC Association Summary

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

Job ID: 480-175549-1

General Chemistry (Continued)

Analysis Batch: 453581 (Continued)

Lab Sample ID MB 240-453562/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Water	Method 4500 CN E-2011	Prep Batch 453562
LCS 240-453562/2-A	Lab Control Sample	Total/NA	Water	4500 CN E-2011	453562
480-175549-8 MS	EB-1	Total/NA	Water	4500 CN E-2011	453562
480-175549-8 MSD	EB-1	Total/NA	Water	4500 CN E-2011	453562

10/2/2020

Matrix: Water

Matrix: Water

Lab Sample ID: 480-175549-1

Lab Sample ID: 480-175549-2

5 10

Lab Sample ID: 480-175549-3

Matrix: Water

Client Sample ID: MW-1	
Date Collected: 09/22/20 14:35	
Date Received: 09/24/20 14:15	

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551375	09/26/20 20:15	AMM	TAL BUF
Total/NA	Prep	3510C			551546	09/28/20 15:17	ATG	TAL BUF
Total/NA	Analysis	8270D		1	551820	09/30/20 17:10	JMM	TAL BUF
Total/NA	Prep	Distill/CN			453521	09/29/20 10:36	BLW	TAL CAN
Total/NA	Analysis	4500 CN E-2011		1	453558	09/29/20 12:24	BLW	TAL CAN

Client Sample ID: MW-5 Date Collected: 09/22/20 15:35 Date Received: 09/24/20 14:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551375	09/26/20 20:39	AMM	TAL BUF
Total/NA	Prep	3510C			551196	09/25/20 08:16	JMP	TAL BUF
Total/NA	Analysis	8270D		5	551478	09/28/20 22:01	JMM	TAL BUF
Total/NA	Prep	Distill/CN			453521	09/29/20 10:36	BLW	TAL CAN
Total/NA	Analysis	4500 CN E-2011		1	453558	09/29/20 12:26	BLW	TAL CAN

Client Sample ID: MW-6 Date Collected: 09/23/20 08:05 Date Received: 09/24/20 14:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551375	09/26/20 21:03	AMM	TAL BUF
Total/NA	Prep	3510C			551196	09/25/20 08:16	JMP	TAL BUF
Total/NA	Analysis	8270D		1	551478	09/28/20 22:31	JMM	TAL BUF
Total/NA	Prep	Distill/CN			453562	09/29/20 13:50	BLW	TAL CAN
Total/NA	Analysis	4500 CN E-2011		1	453581	09/29/20 15:19	BLW	TAL CAN

Client Sample ID: MW-8R Date Collected: 09/23/20 10:10 Date Received: 09/24/20 14:15

Lab Sample ID: 480-175549-4 **Matrix: Water**

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	551444	09/28/20 11:47	AMM	TAL BUF
Total/NA	Prep	3510C			551196	09/25/20 08:16	JMP	TAL BUF
Total/NA	Analysis	8270D		20	551478	09/28/20 23:01	JMM	TAL BUF
Total/NA	Prep	3510C	DL		551196	09/25/20 08:16	JMP	TAL BUF
Total/NA	Analysis	8270D	DL	100	551625	09/29/20 19:27	JMM	TAL BUF
Total/NA	Prep	Distill/CN			453562	09/29/20 13:50	BLW	TAL CAN
Total/NA	Analysis	4500 CN E-2011		1	453581	09/29/20 15:20	BLW	TAL CAN

Matrix: Water

Matrix: Water

Lab Sample ID: 480-175549-5

Lab Sample ID: 480-175549-6

10

Lab Sample ID: 480-175549-7

Lab Sample ID: 480-175549-8

Lab Sample ID: 480-175549-9

Matrix: Water

Matrix: Water

Matrix: Water

Client Sample ID: MW-9R
Date Collected: 09/23/20 12:10
Date Received: 09/24/20 14:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551375	09/26/20 21:51	AMM	TAL BUF
Total/NA	Prep	3510C			551196	09/25/20 08:16	JMP	TAL BUF
Total/NA	Analysis	8270D		5	551478	09/28/20 23:31	JMM	TAL BUF
Total/NA	Prep	Distill/CN			453562	09/29/20 13:50	BLW	TAL CAN
Total/NA	Analysis	4500 CN E-2011		1	453581	09/29/20 15:22	BLW	TAL CAN

Client Sample ID: MW-10R Date Collected: 09/22/20 16:55 Date Received: 09/24/20 14:15

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551375	09/26/20 22:15	AMM	TAL BUF
Total/NA	Prep	3510C			551196	09/25/20 08:16	JMP	TAL BUF
Total/NA	Analysis	8270D		1	551478	09/29/20 00:02	JMM	TAL BUF
Total/NA	Prep	Distill/CN			453521	09/29/20 10:36	BLW	TAL CAN
Total/NA	Analysis	4500 CN E-2011		1	453558	09/29/20 12:27	BLW	TAL CAN

Client Sample ID: MW-50 Date Collected: 09/22/20 15:40 Date Received: 09/24/20 14:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551375	09/26/20 22:40	AMM	TAL BUF
Total/NA	Prep	3510C			551196	09/25/20 08:16	JMP	TAL BUF
Total/NA	Analysis	8270D		5	551478	09/29/20 00:32	JMM	TAL BUF
Total/NA	Prep	Distill/CN			453521	09/29/20 10:36	BLW	TAL CAN
Total/NA	Analysis	4500 CN E-2011		1	453558	09/29/20 12:29	BLW	TAL CAN

Client Sample ID: EB-1 Date Collected: 09/23/20 12:30 Date Received: 09/24/20 14:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551375	09/26/20 23:04	AMM	TAL BUF
Total/NA	Prep	3510C			551196	09/25/20 08:16	JMP	TAL BUF
Total/NA	Analysis	8270D		1	551625	09/29/20 19:57	JMM	TAL BUF
Total/NA	Prep	Distill/CN			453562	09/29/20 13:50	BLW	TAL CAN
Total/NA	Analysis	4500 CN E-2011		1	453581	09/29/20 15:24	BLW	TAL CAN

Client Sample ID: TRIP BLANK Date Collected: 09/22/20 13:00 Date Received: 09/24/20 14:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551375	09/26/20 23:28	AMM	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600 TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Eurofins TestAmerica, Buffalo

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

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11 12 13

Laboratory: Eurofins TestAmerica, Buffalo Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below. Authority Program **Identification Number Expiration Date** New York NELAP 10026 04-01-21 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 Analyte Matrix 8260C Water Total BTEX

Laboratory: Eurofins TestAmerica, Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-21
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-21
Illinois	NELAP	004498	07-31-20 *
Iowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-21
Kentucky (UST)	State	112225	02-23-21
Kentucky (WW)	State	KY98016	12-31-20
Minnesota	NELAP	OH00048	12-31-20
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-21
Ohio VAP	State	CL0024	06-05-21
Oregon	NELAP	4062	02-24-21
Pennsylvania	NELAP	68-00340	08-31-21
Texas	NELAP	T104704517-18-10	08-31-21
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-21
Washington	State	C971	01-12-21
West Virginia DEP	State	210	12-31-20

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
4500 CN E-2011	Cyanide, Total: Colorimetric Method	SM	TAL CAN
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
Distill/CN	Distillation, Cyanide	None	TAL CAN

Protocol References:

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater" SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600 TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Wood E&I Solutions Inc Project/Site: Albion, NY Groundwater Project

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	A
480-175549-1	MW-1	Water	09/22/20 14:35	09/24/20 14:15	_
480-175549-2	MW-5	Water	09/22/20 15:35	09/24/20 14:15	
80-175549-3	MW-6	Water	09/23/20 08:05	09/24/20 14:15	
80-175549-4	MW-8R	Water	09/23/20 10:10	09/24/20 14:15	
180-175549-5	MW-9R	Water	09/23/20 12:10	09/24/20 14:15	
80-175549-6	MW-10R	Water	09/22/20 16:55	09/24/20 14:15	
80-175549-7	MW-50	Water	09/22/20 15:40	09/24/20 14:15	
480-175549-8	EB-1	Water	09/23/20 12:30	09/24/20 14:15	
480-175549-9	TRIP BLANK	Water	09/22/20 13:00	09/24/20 14:15	

Eurofins TestAmerica, Buffalo

Amfinety, NY 14228-7298 Physics 719-691-2600 Fax 716-691-7901	5	ain of (custoa	Chain of Gustooy Record				Environment fecting
Client Information (Sub Contract Lab)	5 are interes			Latitut. Brien J Fredier, Brien J		Carter I such or Harte	COC No. 480-50812	4-
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Company TrastAmenca Laboratorian, Inc.				NELAP - No	Alter sectores frequend (Lee note) NELAP - New York		249.2 240.175640.1	
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MVV-6-(480-175549-3)	90340	Co 06 Eastern	Water	×				
MW-48R (480-175549-4)	8423/20	10.10 Factor	: Witten	×				
MW 5H (480-176545-5)	0/23/20	12.3D Eastern	. Whatan	×			12	
MW 10R (480-175549-6)	8/22/20	16.55 Fashern	Wether	*				
MW-50 (480-175549-7)	\$12720	15.40 Eastern	Winter	×				
EB-1 (480-175549-8)	8/23/20	12.30	Water	×			13	
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Feelix: 1* Grd Axp UPS FAS Chapper Cher Drop Off TestAmerica Couler Receipt After-bours: Drop-off Date/Time Storage Locatio TestAmerica Cooler # Foam Box Client Cooler Box Other Packing material used: Bubble Wrap Foam Plastic Bay None Other Packing material used: Bubble Wrap Foam Plastic Bay None Other COOLANT: Wet Icc Blue Ice Dry Ice Water None Other I. Cooler temperature upon receipt II See Multiple Coaler See Multiple Coaler See Multiple Coaler I.R GUN# IR-11 (CF +6.9°C) Observed Coaler Temp. °C Corrected Coo I.R GUN# IR-12 (CF +9.5°C) Observed Coaler Temp. °C °C Corrected Coo 2. Were tamper/custody seals on the outside of the cooler(s)? If Yea Quantity ////////////////////////////////////	s Form ler TempC tler TempC
Couler Received on 1.25.20 Opened on 1.25.20 FedEx: 1 [#] Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courie Receipt After-bours: Drop-off Date/Time Storage Locatio TestAmerica Cooler # Foam Box Client Cooler Packing material used: Bubble Wrap Foam Plastic Bay None Other Poam Plastic Bay None COOLANT: Wet Icc. Blue Ice Dry Ice Water None 1. Cooler temperature upon receipt I Storage Cooler Storage Cooler 1. Cooler temperature upon receipt I Storage Cooler Storage Cooler 1. Cooler temperature upon receipt I Storage Cooler Storage Cooler 1. Cooler temperature upon receipt I Storage Cooler Storage Cooler 1. Cooler temperature upon receipt I Storage Cooler Storage Cooler 1. Cooler temperature upon receipt I Storage Cooler Corrected Cooler 1. Return #HR-12 (CF +9.5°C) Observed Cooler Temp. Corrected Cooler 2. <	s Form ler TempC tler TempC
Receipt After-hours: Drop-off Date/Time Storage Locatio Receipt After-hours: Drop-off Date/Time Storage Locatio FestAmerica Cooler # Foam Box Client Cooler Box Other Packing material used: Bubble Wrap Foam Plastic Bay None Other Packing material used: Bubble Wrap Foam Plastic Bay None Other COOLANT: Wrap Foam Plastic Bay None Other I. Cooler temperature upon receipt II See Multiple Coale See Multiple Coale To Corrected Cooler I.R GUN# IR-11 (CF +0.9°C) Observed Cooler Temp. °C Corrected Cooler °C I.R GUN# IR-12 (CF +0.5°C) Observed Cooler Temp. °C °C Corrected Cooler Were tamper/custody scale on the outside of the cooler(s)? If Yes Quantity I Were tamper/custody scale on the outside of the cooler(s) signed & dated? `Were tamper/custody scale on the bottle(s) or bottle kits (LLHg/MeHg)?	s Form ler TempC tler TempC
Receipt After-bours: Drop-off Date/Time Storage Location TestAmerica Cooler # Foam Box Client Cooler Box Other Packing material used: Bubble Wrap Foam Plastic Bay None Other Packing material used: Bubble Wrap Foam Plastic Bay None Other COOLANT: Wet Ice Blue Ice Dry Ice Water None I. Cooler temperature upon receipt Image: See Multiple Cooler See Multiple Cooler I. GUN# IR-11 (CF +6.9 °C) Observed Cooler Temp. °C Corrected Cooler I. GUN# HR-12 (CF +0.5°C) Observed Cooler Temp. °C Corrected Cooler Were tamper/custody seals on the outside of the cooler(s)? If Yea Quantity Image: Cooler Were tamper/custody seals on the outside of the cooler(s) signed & dated? Corrected Cooler Cooler Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Corrected Cooler Corrected Cooler	s Form ler TempC tler TempC
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 Were tamper/custody settle on the outside of the cooler(s)? If Yes Quantity	
 Were tamper/custody settle on the outside of the cooler(s)? If Yes Quantity // //	
 9. For each sample, does the COC specify preservatives (YA), # of containers (YA), and 10. Were correct bottle(s) used for the test(s) indicated? 11. Sufficient quantity received to perform indicated analyses? 12. Are these work share samples and all listed on the COC? If yes, Questions 13-17 have been checked at the originating laboratory. 13. Were all preserved sample(s) at the correct pH upon receipt? 14. Were VOAs on the COC? 15. Were air bubbles >6 turn in any VOA vials? (a Larger than this. 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Tests that are not checked for pill by Receiving: No No No No Yes No Yes No No Yes No No No Yes No No No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
	Yes No
Contacted PM Date by via Verba	al Voice Mail Other
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Goditional next page	e Samples processed by.
19. SAMPLE CONDITION	ang dara sa dara sa mang kanang sa
ample(s) were received after the recommended h	olding time had explored.
ample(s) were roce	ived in a broken container.
ample(s) were received with bubble >6 m	am in diameter. (Notify PM)
0. SAMPLE PRESERVATION	
	A share a second s
Sampie(s)	e number preserved in the taboratory.

WJ-NC-099

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Image: Contraction of the control of the co	Image: Solution of the soluti	PROJECT NUMBER: 0078000050.03.02B	LABORATORY:	Eurofins TestAmerica	CLIENT: Wood Environment & Infrastructure Solutions	REPORTING REQUIREMENTS:		
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Chain of Custody Record

Controlins Environment Testing America

Client Information	Sampler.	Lab PM: Fischer, Brian J	rian J	Carrier Tracking No(s):	COC No: 480-150839-33519.1	9.1
Client Contact: Accounts Payable- Oakland	Phone:	E-Mail: Brian.Fisc	E-Mail: Brian.Fischer@Eurofinset.com		Page: Page 1 of 1	
Company: Wood E&I Solutions Inc			Analysis Requested	uested	Job #:	
Address: 180 Grand Avenue Suite 1100	Due Date Requested:					:8
City: Oakland	TAT Requested (days):				B - NaOH C - Zn Acetate	M - Hexane N - None O - AsNaO2
State, Zip: CA, 94612						P - Na204S Q - Na2SO3
Phone:	PO#; 007800050.03.02B	((R - Na23203 S - H2SO4 T - TSP Dodecahydrate
Email: oaklandap@woodplc.com	,# OM		(0)		1 - Ice J - DI Water	U - Acetone V - MCAA
Project Name: Albion, NY Groundwater Project	Project #: 48021262		pout		L-EDA	vv - pri 4-5 Z - other (specify)
Site	SSOW#:		eal Me slovim		of coi	
Sample Identification	San Ty Sample Date C= Sample G=	Sample Matrix Type (wwwater, C=comp, eweated, G=grab) BT-Tisue, Andir) [ie]dd	Регіогт MS/M: 82200-СЧ_Е - Lo 82200-PPH Se 4500-CY-E		Total Number	Special Instructions/Note:
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1 -			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	assessed if samples ar	e retained longer than 1	month)
Non-Hazard Flammable Skin Irritant	Poison B Unknown	Radiological	Return To Client	Disposal By Lab	Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)			Special Instructions/QC Requirements:			
Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time		Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time		Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:		Company
Custody Seals Intact: Custody Seal No.:		-	Cooler Temperature(s) °C and Other Remarks	Remarks:		
A Yes A NO						Ver: 01/16/2019

Phone: 716-691-2600 Fax: 716-691-7991	Comolor		Tob Did.	Contact Templan Malak	COT Mar
Client Information (Sub Contract Lab)	oamprer.		Lao rw. Fischer, Brian J	Camer Lracking No(s);	480-58840.1
Client Contact: Shipping/Receiving	Phone:		E-Mail: Brian.Fischer@Eurofinset.com	State of Origin, New York	Page Page 1 of 1
company: TestAmerica Laboratories, Inc.			Accreditations Required (See note). NELAP - New York		Job # 480-175549-1
Address: 4101 Shuffel Street NW,	Due Date Requested: 10/7/2020		Analy	Analysis Requested	Cod
City: North Canton	TAT Requested (days):				A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2
State, Zip OH, 44720					
Phone 330.497-9396(Tel) 330.497-0772(Fax)	PO#:		(F - MeOH R - Na2S203 G - Amchlor S - H2SO4 H - Accorbic Acid T - TSP Diodershuritate
Email:	#OM				I - Ice J - DI Water
Project Name. Albion, NY Groundwater Project	Project # 48021262				K - EDTA L - EDA
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MVV-1 (480-175549-1)	9/22/20 14:35	Water	×		1
Note: Since laboratory acceditations are subject to change. Eurofins TestAmenica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzes, the samples input be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation states to the Eurofins TestAmerica attention in the State of Origin listed above for analysis/tests/matrix being analyzes, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins. TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.	America places the ownership of method, analy (matrix being analyzed, the samples must be shi rent to date, return the signed Chain of Custody	s & accreditation com sped back to the Euro attesting to said comp	pliance upon out subcontract laboratories ofins TestAmerica laboratory or other instr olicance to Eurofins TestAmerica.	 This sample shipment is forwarded unde uctions will be provided. Any changes to a 	r chain-of-custody. If the laboratory does not currently conditation status should be brought to Eurofins
Possible Hazard Identification Unconfirmed			Sample Disposal (A fee	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Ann	Archive For Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2		Special Instructions/QC Requirements	equirements.	
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Relinquished by:	Date/Time	Company	Received by	Date/Time:	Company
Custody Seals Intact: Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks	and Other Remarks:	-

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num EII DUTT	10	Site Name			Cooler u	npacked by:
Cooler Received on 9/2		Opened on 9/2	6/20		And	nat
FedEx: 1 st Grd Exp 1		Client Drop Off	TestAmeric	a Courier	Other	
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Login Sample Receipt Checklist

Client: Wood E&I Solutions Inc

Login Number: 175549 List Number: 1 Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers 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	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

List Source: Eurofins TestAmerica, Buffalo



APPENDIX C

Soil Cap Inspection Form



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APPENDIX D

EXAMPLE SITE INSPECTION FORM

Former MPG Site No. 837012

Albion, New York

Date:	9123120	Weather:	70°F, Sunny	
Inspection By:	Amelia Lyons	Time In:	715	
Others On Site:	National Grid	Time Out:		

Visual Observations – Soil Cap and Monitoring Well Network:

	YES	NO	Comments
Is the Soil Cap intact?			
Any signs of significant erosion?			
Any signs of tree roots or vegetation damaging the cap?		1	
Any signs of intrusive work (earth disturbing activities) in the capped area?		V	
Are the groundwater monitoring wells accessible and intact?	\checkmark		

If maintenance is required to resolve any of the above noted items, describe what actions taken, if any. Were all maintenance items resolved during this site visit? If no, what items remain to be resolved?

NIP

Documentation:

	YES	ŇO	Comments
Are maintenance records on-site and up-to- date?			
Are monitoring records on-site and up-to- date?		1	

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	YES	NO	Comments
Is the most recent Monitoring and Sampling Plan on-site?		\checkmark	
Is the Site Management Plan on-site?		\checkmark	
If there is intrusive work being performed: - Is there a Health and Safety Plan on- site?	/		
 If the surface area of construction activities is greater than 1 acre in size, is there a Stormwater Pollution Prevention Plan (SWPPP) on-site? 			NIA

If maintenance is required to resolve any of the above noted items, describe what actions taken, if any. Were all maintenance items resolved during this site visit? If no, what items remain to be resolved?

NIA

Note: This form is provided as an example template only and should be modified and updated as needed to reflect current project conditions.