PARSONS

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July 21, 2022

Mr. Douglas MacNeal
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-0001

Re: Groundwater Monitoring Event Report – 2022 Q1
Ithaca Court Street Former MGP Site – Operable Unit 2
Ithaca, New York
NYSDEC Site No. 7-55-008

Dear Mr. MacNeal,

On behalf of New York State Electric and Gas (NYSEG), Parsons is submitting this letter report summarizing the 2022 Quarter 1 (Q1) Groundwater Monitoring Event (GME) conducted at the Ithaca Court Street Former Manufactured Gas Plant (MGP) Site Operable Unit 2 in Ithaca, New York (the "Site"). A site location plan is presented on Figure 1.

SECTION 1 – BACKGROUND

The NYSEG Ithaca site is divided into two operable units (OUs). Operable Unit 1 (OU-1) consists of the former MGP parcel, former tar duct structures under West Court Street from the Site to North Meadow Street, and the surrounding sidewalk areas. Operable Unit 2 (OU-2) consists of any areas outside of the OU-1 boundary that may have been impacted by the migration of MGP residuals from OU-1 source materials.

The primary constituents of concern at the Site are benzene, toluene, ethylbenzene, and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs) and cyanide. Remedial investigations, interim remedial measures, and remedial actions to include the removal of historical MGP structures have been completed. A history of the remedial investigations and remedial actions completed at the Site is provided in the draft Site Management Plan (SMP) prepared by others.

A draft SMP was submitted to the New York State Department of Environmental Conservation (NYSDEC) in October 2019 and is pending approval. The draft SMP outlines the monitoring requirements for the Site which include quarterly groundwater sampling in fifteen (15) groundwater monitoring well locations across the Site for a period of two years (September 2020 – September 2022) to establish baseline conditions and to evaluate the potential for seasonal fluctuations in constituent concentrations. From October 2022 – October 2025, only wells determined to contain MGP-related constituents at concentrations greater than the applicable water quality standards and guidance values (AWQSGVs) will be sampled quarterly, based on the analysis of data collected during the first two years of monitoring activities. The remaining wells are proposed to be sampled annually.

SECTION 2 – SCOPE OF WORK

On March 28, 2022, groundwater gauging for water levels and, if present, non-aqueous phase liquid (NAPL) was completed at fifteen (15) groundwater wells specified for monitoring in the draft SMP (MW-C11, MW-C12, MW-C16, MW-22S, MW-23S, MW-24S, MW-25S, MW-28S, MW-31S, MW-33S, MW-40, MW-45S, MW-46S, MW-47S, and MW-48S). Groundwater monitoring well locations are presented on Figure 2. On March 28, 2022, groundwater gauging activities were also completed at twenty-six (26) additional groundwater monitoring well locations where access was possible to assess water levels across the Site. Groundwater gauging data is presented in Table 1. Each well was gauged for depth to water and the presence of non-aqueous phase liquid (NAPL) using an oil-water interface probe.

Between March 29 to March 31, 2022, groundwater samples were collected from fifteen (15) groundwater monitoring wells in accordance with the draft SMP. Water level measurements were collected at each well prior to purging and sampling. Sampling was conducted in accordance with low-flow purge and sample (LFPS) groundwater sampling procedures using a peristaltic pump. Stabilization parameters were recorded on groundwater sampling record field forms, which are provided in Attachment A. Once water quality parameters including pH, conductivity, oxidation-reduction potential (ORP), dissolved oxygen, turbidity, and temperature stabilized, groundwater samples were collected in laboratory-supplied containers, labeled, and placed in coolers with ice. All excess materials generated during sampling [purge water, decontamination fluids, personal protective equipment (PPE), and debris] was containerized in 55-gallon steel drums and staged in a drum storage area prior to transportation and off-site disposal.

All field activities were conducted in accordance with the Work Plan (AECOM, 2020) that was submitted to the NYSDEC and approved on September 1, 2020.

Analytical Services and Validation

Groundwater samples for chemical analysis were submitted to Eurofins Buffalo, a New York State Department of Health (NYSDOH) approved Environmental Laboratory Analysis Program (ELAP) laboratory certified for analysis using Analytical Services Protocol (ASP). Groundwater samples were submitted for the analysis of:

- Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) via USEPA SW-846 Method 8260C,
- Polycyclic Aromatic Hydrocarbons (PAHs) via USEPA SW-846 Method 8270D,
- Total Cyanide via USEPA SW—846 Method 9012B, and
- Monitored Natural Attenuation (MNA) parameters including:
  - Nitrate via USEPA SW—846 Method 353.2,
  - Ammonia via USEPA SW—846 Method 350.1,
  - Total Iron via USEPA SW—846 Method 6010C,
  - Ferrous Iron via USEPA SW—846 Method SM 3500-Fe D,
  - Sulfate via USEPA SW—846 Method 300,
  - Methane via USEPA SW—846 Method RSK-175, and
  - Alkalinity via USEPA SW—846 Method SM 2320B.

Laboratory analyses of groundwater samples were conducted in accordance with USEPA SW-846 methods and the standard deliverable format by a NYSDOH ELAP approved laboratory certified for analysis using ASP. Laboratory analytical reports are provided in Attachment B.

QA/QC (quality assurance/quality control) procedures required by the SW-846 methods were followed, including initial and continuing instrument calibrations, standard compound spikes, surrogate compound spikes, and analysis of other samples (blanks, laboratory control samples, matrix spike/matrix spike duplicates, etc.). The laboratory provided sample bottles, which were pre-cleaned and preserved in accordance with the SW-846 methods. NYSDEC ASP holding times were adhered to, with any exceptions noted in the Data Usability Summary Report (DUSR) provided in Attachment C. Note that the SW-846 methods are incorporated into the NYSDEC ASP. Where there are differences in the SW-846 and NYSDEC ASP requirements, the NYSDEC ASP took preference.

Data validation was performed in accordance with USEPA Region II standard operating procedures (SOPs) for organic and inorganic data review. Validation included the following:

- Verification of 100% of all QC sample results (both qualitative and quantitative),
- Verification of the identification of 100% of all sample results (both positive hits and non-detects),
- Re-calculation of 10% of all investigative sample results, and
- Preparation of a DUSR (see Attachment C).

All data were considered usable and valid.

SECTION 3 – GROUNDWATER SAMPLING AND OBSERVATIONS

During the 2022 Q1 GME, a total of forty-one (41) groundwater monitoring wells were gauged, with groundwater samples being collected from a subset of fifteen (15) groundwater monitoring wells. Groundwater observations and inspection notes are presented in Table 1. Depth to water ranged from 2.45 feet below top of casing (MW-21D) to 21.92 feet below top of casing (MW-17D). The general direction of groundwater flow in the shallow portion of the aquifer appears to be the northwest, however an additional groundwater low elevation was measured in the southeastern portion of the Site, with an isolated groundwater high in the southwestern portion of the Site. A groundwater contour map is presented on Figure 3. A summary of additional observations is provided below:

- Measurable thicknesses of NAPL were not detected during gauging of any groundwater monitoring well.
- Olfactory observations during gauging included: a slight sulfur-like at MW-C16, a slight chemical-like odor at MW-24D, and slight petroleum-like odors at MW-23S and MW-28S.
- Visual observations during purging included: black organic matter and a slight bacterial sheen at MW-28S, a slight bacterial sheen at MW-46S, and the presence a yellow/orange tint in the at MW-33S, which cleared through the purging.

SECTION 4 – LABORATORY ANALYTICAL RESULTS

The laboratory results for the sampling event are summarized for BTEX, PAHs, and Cyanide in Table 2 and for MNA parameters in Table 3. The groundwater analytical results were compared to the NYSDEC AWQSGVs listed in the NYSDEC's Division of Water Technical and Operational Guidance Series (TOGS 1.1.1).

Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)

Groundwater samples for analysis of BTEX were collected from a total of fifteen (15) groundwater monitoring wells. Of these, BTEX compounds were detected at concentrations exceeding applicable AWQSGVs in five (5) wells (MW-23S, MW-46S, MW-48S, MW-C11, and MW-C12). Benzene and ethylbenzene were detected at concentrations exceeding their respective AWQSGVs in two (2) groundwater monitoring well locations (MW-C11 and MW-C12) located on North Plain Street in the vicinity of the in-situ chemical oxidation (ISCO) remedial action area. The remaining three (3) wells where BTEX compounds were detected at concentrations exceeding their respective AWQSGVs are located to the west of the Site in the Washington Street area. The extent of BTEX impacts across the monitoring well network is consistent with previous groundwater monitoring events.

Benzene was detected in four (4) groundwater monitoring wells (MW-46S, MW-48S, MW-C11, and MW-C12). Benzene was detected at concentrations exceeding its AWQSGV in each of the four (4) groundwater monitoring wells, ranging in concentration from 2.3 µg/L (MW-C11) to 1,400 µg/L (MW-46S).

Toluene was detected in one (1) groundwater monitoring well (MW-46S) at a concentration of 37 µg/L, exceeding its respective AWQSGV.

Ethylbenzene was detected in four (4) groundwater monitoring wells (MW-23S, MW-46S, MW-48S, and MW-C12). Ethylbenzene was detected above its AWQSGV in each of the four (4) groundwater monitoring wells, ranging in concentration from 8.7 µg/L (MW-23S) to 1,300 µg/L (MW-46S).

Xylenes were detected in four (4) groundwater monitoring wells. Of these four locations, total xylenes were detected at concentrations exceeding the applicable AWQSGV in three (3) groundwater monitoring wells (MW-23S, MW-46S, and MW-48S), ranging in concentration from 7.9 µg/L (MW-23S) to 660 µg/L (MW-46S).

Polycyclic Aromatic Hydrocarbons (PAHs)

Groundwater samples for analysis of PAH were collected from a total of fifteen (15) groundwater monitoring wells. Of these, PAHs were detected at concentrations exceeding applicable AWQSGVs in seven (7) groundwater monitoring wells (MW-23S, MW-40, MW-46S, MW-47S, MW-48S, MW-C12, and MW-C16). A total of sixteen (16) PAHs (acenaphthene, acenaphthylene, anthracene, chrysene, fluoranthene, fluorene, naphthalene, phenanthrene, pyrene, benzo(A)anthracene, benzo(A)pyrene, benzo(B)fluoranthene, benzo(G,H.I)perylene, benzo(K)fluoranthene, dibenz(A,H)anthracene, and indeno(1,2,3-C,D)pyrene) were detected at least once in eight (8) groundwater monitoring wells during 2022 Q1 groundwater sampling activities. Of these, eight (8) PAHs (acenaphthene, chrysene, naphthalene, benzo(A)anthracene, benzo(A)pyrene, benzo(B)fluoranthene, benzo(K)fluoranthene, and indeno(1,2,3-C,D)pyrene) were detected at concentrations exceeding their respective AWQSGVs in at least one groundwater monitoring well.

Total Cyanide

Cyanide was detected in three (3) groundwater monitoring wells sampled during the 2022 Q1 GME. Of these, cyanide was detected above its AWQSGV in one (1) groundwater monitoring well (MW-22S) at a concentration of 430 µg/L.

Monitored Natural Attenuation (MNA) Parameters

Several groundwater parameters were analyzed to inform the assessment of MNA. Reported concentrations of MNA parameters were variable across the Site, as parameters were detected above their respective AWQSGVs in some locations, but below laboratory detection limits in others. The following is a summary of MNA parameters:

- Sulfate was detected at concentrations exceeding its AWQSGV in two (2) groundwater monitoring wells (MW-C11 and MW-C16),
- Ammonia was detected at concentrations exceeding its AWQSGV in four (4) groundwater monitoring wells (MW-46S, MW-47S, MW-48S, and MW-C11),
- Iron was detected at concentrations exceeding its AWQSGV in thirteen (13) groundwater monitoring wells. Iron is not a constituent of concern at the Site and these concentrations are likely naturally occurring,
- Methane was detected across the groundwater monitoring well network which may indicate the presence of biological activity at the Site.

SECTION 5 – MANN-KENDALL ANALYSIS

Mann-Kendall trend analysis was completed for the following constituents of concern: benzene, toluene, ethylbenzene, total xylenes, acenaphthene, naphthalene, and total cyanide. Select MNA parameters (sulfate, methane, nitrate, and dissolved oxygen) were also selected for Mann-Kendall analysis. Analysis was completed for wells within the ISCO remediation area (MW-C11, MW-C12, MW-C16), and for wells in an inferred downgradient direction (MW-22S, MW-23S, MW-46S, and MW-48S).

Data obtained from groundwater monitoring events completed since June 2016 are included in the Mann-Kendall analysis. Where analytes were reported as not detected, the laboratory's reporting limit was used as the analyte concentration, indicated in the provided attachments by a grey shading for the most recent sampling event.

Parameter	Mann-Kendall Analysis Result
Benzene	• The concentration at MW-C12 is decreasing. • Concentrations at MW-23S and MW-48S are stable. • The concentration at MW-46S has a probable increasing trend. • No trend observed at MW-C11, MW-C16, and MW-22S.
Toluene	• Concentrations at MW-C12, MW-46S, and MW-48S are stable. • No trend observed at MW-C11, MW-C16, MW-22S, and MW-23S.
Ethylbenzene	• The concentration at MW-23S is decreasing. • No trend observed at MW-C11, MW-C12, MW-C16, MW-22S, MW-46S, and MW-48S.
Total xylenes	• The concentration at MW-23S is decreasing. • Concentrations at MW-22S and MW-48S are stable. • No trend observed at MW-C11, MW-C12, MW-C16, and MW-46S.
Acenaphthene	• The concentration at MW-C11 is decreasing. • The concentration at MW-C12 has a probably increasing trend. • The concentration at MW-23S has a probable decreasing trend. • Concentrations at MW-C16, MW-22S, and MW-48S are stable. • No trend observed at MW-46S.
Naphthalene	• The concentration at MW-C11 is decreasing. • No trend observed at MW-C12, MW-23S, MW-46S, and MW-48S. • Concentrations at MW-C16 and MW-22S are stable.
Total cyanide	• Concentrations at MW-C11 and MW-C12 are stable. • No trend observed at MW-C16, MW-22S, MW-23S, MW-46S, and MW-48S.
Total sulfate	• The concentration at MW-C12 is decreasing. • The concentration at MW-C16 has a probable decreasing trend. • Concentrations at MW-46S and MW-48S are stable. • No trend observed at MW-C11, MW-22S, and MW-23S.
Methane	• The concentration at MW-46S has a probable increasing trend. • The concentration at MW-C12 is decreasing. • Concentrations at MW-48S are stable. • No trend observed at MW-C11, MW-C16, MW-22S, and MW-23S.
Nitrate	• Concentrations at MW-23S are decreasing. • No trend was observed at MW-C11, MW-C12, and MW-46S. • Concentrations at MW-C16, MW-22S, and MW-48S are stable.
Dissolved oxygen	• No trend was observed at MW-C11, MW-C12, MW-46S, and MW-48S. • Concentrations at MW-C16, MW-22S, and MW-23S are stable.

Mann-Kendall analysis for constituents of concern and MNA parameters are provided in Attachment D.

CONCLUSIONS AND RECOMMENDATIONS

Analytical results indicate that BTEX, PAHs, cyanide, and MNA parameters are in exceedance of their respective AWQSGVs in at least one groundwater monitoring well. However, groundwater analytical results remain consistent with the results of previous groundwater monitoring data available at the time of reporting. Quarterly groundwater sampling conducted in fifteen (15) groundwater monitoring wells at the Site will be continued in accordance with the draft SMP submitted to NYSDEC to collect additional data and assess seasonal fluctuations. The goal of the current groundwater monitoring program is to inform and appraise of MGP-constituent concentrations and MNA trends at the Site. A quarterly groundwater monitoring report will be submitted to NYSDEC documenting the results of each event.

Please contact Stephen Liberatore (315-418-8767) or Tracy Blazicek (607-237-5325) if you have any questions or require additional information.

Sincerely,

Stephen Liberatore
Field Project Manager

CC: Tracy Blazicek, NYSEG

Tables

Figures

Attachments

TABLES

Table 1
Groundwater Observations
2022 Q1 Groundwater Monitoring Event
Ithaca Court Street Former MGP Site - OU-2
Ithaca, New York

Well ID	Date	Top of Casing Elevation (feet AMSL)	Total Depth (feet below TOC)	Depth to Water (feet below TOC)	Groundwater Elevation (feet AMSL)	NAPL Detected (Y/N)	Notes
SMP MONITORING PLAN LOCATIONS - GAUGED AND SAMPLED							
MW-C11	3/28/2022	391.67	17.43	5.13	386.54	N	Well box was filled with water. When the well cover was removed, J-plug was bumped and water drained into well. Waited for water level to stop decreasing before gauging. Well in good condition other than not water tight. No odor or sheen.
MW-C12	3/28/2022	392.20	17.23	4.58	387.62	N	Good condition. No odor or sheen.
MW-C16	3/28/2022	391.53	16.08	3.93	387.60	N	Good condition. No sheen, slight sulfur like odor.
MW-22S	3/28/2022	391.67	13.81	3.51	388.16	N	Good condition. No odor or sheen.
MW-23S	3/28/2022	391.67	13.72	6.16	385.51	N	Good condition. Slight petro odor, no sheen.
MW-24S	3/28/2022	391.67	13.62	6.29	385.38	N	Casing damaged/warped, well box is filled with sediment almost to grade. No odor or sheen.
MW-25S	3/28/2022	391.67	9.70	5.87	385.8	N	Good condition. No odor or sheen.
MW-28S	3/28/2022	391.67	19.57	7.59	384.08	N	Good condition. Black organic material noted during purge, slight petro odor, slight bacterial sheen.
MW-31S	3/28/2022	391.67	11.58	6.66	385.01	N	Good condition. No odor or sheen.
MW-33S	3/28/2022	391.67	9.49	3.42	388.25	N	Good condition. No odor or sheen, water had yellow/orange tint at start of purge.
MW-40	3/28/2022	391.67	8.37	3.89	387.78	N	Good condition. No odor or sheen.
MW-45S	3/28/2022	391.67	14.82	3.89	387.78	N	Good condition. No odor or sheen.
MW-46S	3/28/2022	391.67	16.87	3.71	387.96	N	Good condition. No odor, slight bacterial sheen.
MW-47S	3/28/2022	391.67	14.92	4.31	387.36	N	Good condition. No odor or sheen.
MW-48S	3/28/2022	391.67	13.44	3.61	388.06	N	Good condition. No odor or sheen.
ADDITIONAL LOCATIONS - GAUGED ONLY							
MW-C13	3/28/2022	391.50	15.93	5.37	386.13	N	Good condition. No odor or sheen.
MW-14D	3/28/2022	391.67	33.23	4.36	387.31	N	Good condition. No odor or sheen.
MW-C15	3/28/2022	391.08	17.84	4.39	386.69	N	J-plug jammed into well casing. Assuming this is in order to close the well cover. No odor or sheen.
MW-C17	3/28/2022	392.01	17.05	4.56	387.45	N	Flush mount box is loose. No odor or sheen.
MW-13S	3/28/2022	391.67	14.49	6.72	384.95	N	Good condition. No odor or sheen.
MW-13D	3/28/2022	391.67	39.75	5.49	386.18	N	Good condition. No odor or sheen.
MW-14S	3/28/2022	391.67	9.57	4.83	386.84	N	Good condition. No odor or sheen.
MW-17S	3/28/2022	391.67	9.37	3.98	387.69	N	Good condition. No odor or sheen.
MW-17D	3/28/2022	391.67	29.52	21.92	369.75	N	Good condition. No odor or sheen.
MW-20S	3/28/2022	391.67	14.44	5.43	386.24	N	Good condition. No odor or sheen.
MW-20D	3/28/2022	391.67	33.31	4.37	387.30	N	Good condition. No odor or sheen.
MW-21S	3/28/2022	391.67	9.42	3.36	388.31	N	Good condition. No odor or sheen.

Table 1
Groundwater Observations
2022 Q1 Groundwater Monitoring Event
Ithaca Court Street Former MGP Site - OU-2
Ithaca, New York

Well ID	Date	Top of Casing Elevation (feet AMSL)	Total Depth (feet below TOC)	Depth to Water (feet below TOC)	Depth to NAPL (feet below TOC)	NAPL Thickness (feet)	Notes
ADDITIONAL LOCATIONS - GAUGED ONLY							
MW-21D	3/28/2022	391.67	29.59	2.45	389.22	N	Good condition. No odor or sheen.
MW-22D	3/28/2022	391.67	29.14	3.02	388.65	N	Good condition. No odor or sheen.
MW-23D	3/28/2022	391.67	29.37	4.53	387.14	N	Good condition. No odor or sheen.
MW-24D	3/28/2022	391.67	32.63	3.81	387.86	N	Cover does not bolt down, chemical-like odor when gauging.
MW-27	3/28/2022	391.67	Inaccessible				
MW-29S	3/28/2022	391.67	12.03	5.22	386.45	N	Good condition. No odor or sheen.
MW-30S	3/28/2022	391.67	9.93	5.24	386.43	N	Good condition. No odor or sheen.
MW-32S	3/28/2022	391.67	9.59	3.42	388.25	N	Good condition. No odor or sheen.
MW-34S	3/28/2022	391.67	9.62	3.79	387.88	N	Good condition. No odor or sheen.
MW-35S	3/28/2022	391.67	4.4	3.14	388.53	N	Good condition. No odor or sheen.
MW-37	3/28/2022	391.67	7.79	3.02	388.65	N	Good condition. No odor or sheen.
MW-38	3/28/2022	391.67	14.14	7.36	384.31	N	Good condition. No odor or sheen.
MW-41S	3/28/2022	391.67	10.85	6.12	385.55	N	Good condition. No odor or sheen.
MW-42	3/28/2022	391.67	Inaccessible				
MW-43S	3/28/2022	391.67	14.38	5.96	385.71	N	Good condition. No odor or sheen.

Table 2
Summary of Groundwater Analytical Results - BTEX, PAHs, and Total Cyanide
2022 Q1 Groundwater Monitoring Event
Ithaca Court Street Former MGP Site - OU-2
Ithaca, New York

Location ID	NYSDEC Class GA Standards/ Guidelines (ug/L)	MW-13S		MW-22S		MW-23S		MW-24S		MW-28S		MW-28S		MW-31S		MW-33S		MW-40	
Sample ID		MW-13S_033022		MW-22S_033122		MW-23S_033122		MW-24S_033022		DUP_033122		MW-28S_033122		MW-31S_033122		MW-33S_033022		MW-40_033022	
Lab Sample ID		480-196271-3		480-196346-3		480-196346-6		480-196271-1		480-196346-2		480-196346-1		480-196346-4		480-196271-5		480-196271-4	
Sample Date		3/30/2022		3/31/2022		3/31/2022		3/30/2022		3/31/2022		3/31/2022		3/31/2022		3/30/2022		3/30/2022	
Unit		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
BTEX via 8260C																			
Benzene	1	1	U	1	U	4	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane		1	U	1	U	4	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform		1	U	1	U	4	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform		1	U	1	U	4	U	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane		1	U	1	U	4	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	1	U	1	U	**8.7**		1	U	1	U	1	U	1	U	1	U	1	U
m,p-Xylene		2	U	2	U	8	U	2	U	2	U	2	U	2	U	2	U	2	U
O-Xylene (1,2-Dimethylbenzene)		1	U	1	U	**7.9**		1	U	1	U	1	U	1	U	1	U	1	U
Toluene	5	1	U	1	U	4	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes	5	2	U	2	U	**7.9**	J	2	U	2	U	2	U	2	U	2	U	2	U
BTEX		2	U	2	U	**17**		2	U	2	U	2	U	2	U	2	U	2	U
PAHs via 8270D																			
Acenaphthene	20	0.5	U	0.5	U	**55**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acenaphthylene		0.5	U	0.5	U	**0.96**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Anthracene	50	0.5	U	0.5	U	**2.4**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chrysene	0.002	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U
Fluoranthene	50	0.5	U	0.5	U	**1.6**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Fluorene	50	0.5	U	0.5	U	**13**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Naphthalene	10	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Phenanthrene	50	0.5	U	0.5	U	**3**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Pyrene		0.5	U	0.5	U	**2.2**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzo(A)Anthracene	0.002	0.05	U	0.05	U	**0.084**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	**0.024**	J
Benzo(A)Pyrene	0	0.05	U	0.05	U	**0.048**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzo(B)Fluoranthene	0.002	0.05	U	0.05	U	**0.051**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzo(G,H,I)Perylene		0.05	U	0.05	U	**0.055**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzo(K)Fluoranthene	0.002	0.05	U	0.05	U	**0.048**	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Dibenz(A,H)Anthracene		0.05	U	0.05	U	**0.055**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	**0.025**	J
Indeno(1,2,3-C,D)Pyrene	0.002	0.05	U	0.05	U	**0.072**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Cyanide via 9012																			
Cyanide	200	10	U	**430**		10	U	10	U	10	U	10	U	10	U	10	U	10	U

Notes:

Blue shading indicates compound detected exceeding AWQSGV

= Results in bold and blue font indicate detections.

* = Indicates LCS or LCSD is outside acceptance limits.

(a) = Applies to the sum of phenolic compounds

F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

NA = Not Applicable

ND = Non-detectable concentration

U = Indicates an analyte was analyzed for but not detected at the indicated concentration.

Table 2
Summary of Groundwater Analytical Results - BTEX, PAHs, and Total Cyanide
2022 Q1 Groundwater Monitoring Event
Ithaca Court Street Former MGP Site - OU-2
Ithaca, New York

Location ID	MW-45S		MW-46S		MW-47S		MW-48S		MW-C11		MW-C12		MW-C16		MW-C25S	
Sample ID	MW-45S_033022		MW-46S_033022		MW-47S_033122		MW-48S_033122		MW-C11_032922		MW-C12_032922		MW-C16_032922		MW-C25S_032922	
Lab Sample ID	480-196271-6		480-196271-7		480-196346-7		480-196346-5		480-196247-1		480-196247-2		480-196247-3		480-196247-4	
Sample Date	3/30/2022		3/30/2022		3/31/2022		3/31/2022		3/29/2022		3/29/2022		3/29/2022		3/29/2022	
Unit	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
BTEX via 8260C																
Benzene	1	U	**1400**		1	U	**67**		**2.3**		**4.6**		2	U	2	U
Bromodichloromethane	1	U	20	U	1	U	4	U	2	U	1	U	2	U	2	U
Bromoform	1	U	20	U	1	U	4	U	2	U	1	U	2	U	2	U
Chloroform	1	U	20	U	1	U	4	U	2	U	1	U	2	U	2	U
Dibromochloromethane	1	U	20	U	1	U	4	U	2	U	1	U	2	U	2	U
Ethylbenzene	1	U	**1300**		1	U	**57**		2	U	**13**		2	U	2	U
m,p-Xylene	2	U	**270**		2	U	**6.2**	**J**	4	U	2	U	4	U	4	U
O-Xylene (1,2-Dimethylbenzene)	1	U	**390**		1	U	**22**		2	U	**0.89**	**J**	2	U	2	U
Toluene	1	U	**37**		1	U	4	U	2	U	1	U	2	U	2	U
Xylenes	2	U	**660**		2	U	**28**		4	U	**0.89**	**J**	4	U	4	U
BTEX	2	U	**3400**		2	U	**150**		**2.3**	**J**	**18**		4	U	4	U
PAHs via 8270D																
Acenaphthene	0.5	U	**72**		**0.75**		**31**		**0.58**		**130**		**14**		0.5	U
Acenaphthylene	0.5	U	**3.3**		0.5	U	**0.97**		0.5	U	0.5	U	0.5	U	0.5	U
Anthracene	0.5	U	**3.1**		0.5	U	**1.2**		0.5	U	0.5	U	0.5	U	0.5	U
Chrysene	0.5	U	**0.52**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Fluoranthene	0.5	U	**2.3**		0.5	U	**0.57**		0.5	U	0.5	U	**0.58**		0.5	U
Fluorene	0.5	U	**17**		0.5	U	**3**		0.5	U	**19**		**2.5**		0.5	U
Naphthalene	0.5	U	**2300**		0.5	U	**32**		0.5	U	0.5	U	0.5	U	0.5	U
Phenanthrene	0.5	U	**12**		0.5	U	**3.8**		0.5	U	**1.4**		0.5	U	0.5	U
Pyrene	0.5	U	**3.6**		0.5	U	**0.65**		0.5	U	0.5	U	**0.65**		0.5	U
Benzo(A)Anthracene	0.05	U	**2.2**		**0.036**	**J**	0.05	U	0.05	U	0.05	U	**0.019**	**J**	0.05	U
Benzo(A)Pyrene	0.05	U	**2.2**		**0.049**	**J**	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzo(B)Fluoranthene	0.05	U	**1.4**		**0.054**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzo(G,H,I)Perylene	0.05	U	**0.81**		**0.045**	**J**	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzo(K)Fluoranthene	0.05	U	**0.6**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Dibenz(A,H)Anthracene	0.05	U	**0.28**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Indeno(1,2,3-C,D)Pyrene	0.05	U	**0.78**		**0.046**	**J**	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Cyanide via 9012																
Cyanide	10	U	10	U	10	U	10	U	**22**		10	U	10	U	**24**	

Notes:
Blue shading indicates compound detected exceeding AW
= Results in bold and blue font indicate detections.
* = Indicates LCS or LCSD is outside acceptance limits.
(a) = Applies to the sum of phenolic compounds
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits
NA = Not Applicable
ND = Non-detectable concentration
U = Indicates an analyte was analyzed for but not detected

Table 3
Summary of Groundwater Analytical Results - Monitored Natural Attenuation Parameters
2022 Q1 Groundwater Monitoring Event
Ithaca Court Street Former MGP Site - OU-2
Ithaca, New York

Location ID	NYSDEC Class GA Standards/ Guidelines (mg/L)	MW-13S		MW-22S		MW-23S		MW-24S		MW-28S		MW-28S		MW-31S	
Sample ID		MW-13S_033022		MW-22S_033122		MW-23S_033122		MW-24S_033022		DUP_033122		MW-28S_033122		MW-31S_033122	
Lab Sample ID		480-196271-3		480-196346-3		480-196346-6		480-196271-1		480-196346-2		480-196346-1		480-196346-4	
Sample Date		3/30/2022		3/31/2022		3/31/2022		3/30/2022		3/31/2022		3/31/2022		3/31/2022	
Unit		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
MNA Parameters															
Alkalinity, Total (As CaCO3)		**401**		**218**		**243**		**275**		**276**		**278**	J	**265**	
Sulfate (As SO4)	250	**34.1**		**45.7**		**6.5**	J	**25.4**		**11.3**	J	**5.9**	J	**17.7**	
Nitrogen, Ammonia (As N)	2	0.02	U	0.02	U	**1.1**		**0.048**		**0.89**		**0.94**		**0.018**	J
Nitrogen, Nitrate (As N)	10	**2.7**		**6.5**		**0.1**		0.05	U	**0.19**		**0.25**		**0.35**	
Nitrogen, Nitrite	1	0.05	U	0.05	U	**0.028**	J	0.05	U	**0.042**	J	**0.049**	J	**0.026**	J
Methane		**0.0077**		0.004	U	**4.1**		**0.089**		**3.9**	J	**2.8**	J	**0.079**	
Ferrous Iron		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Iron	0.3	**0.3**		**0.23**		**2.5**		**0.4**		**1.8**		**1.9**		**0.18**	
Field Parameters															
pH (s.u.)		7.57		6.01		7.45		6.15		8.11		8.11		7.37	
Conductivity (mS/cm)		2.55		0.757		1.34		1.63		1.23		1.23		0.782	
Turbidity (NTUs)		7.9		0.0		1.7		0.0		8.2		8.2		1.1	
Dissolved Oxygen (mg/L)		1.61		2.26		0.88		5.36		0.99		0.99		0.92	
Temperature (degrees C)		8.30		9.25		11.2		8.92		11.52		11.52		9.60	
ORP (mV)		-70		212		-179		37		-254		-254		-77	
Salinity (ppt)		1.3		0.4		0.7		0.8		0.6		0.6		0.4	
TDS (g/L)		1.63		0.484		0.857		1.04		0.787		0.787		0.501	

Notes:

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Table 3
Summary of Groundwater Analytical Results - Monitored Natural Attenuation Parameters
2022 Q1 Groundwater Monitoring Event
Ithaca Court Street Former MGP Site - OU-2
Ithaca, New York

Location ID	MW-33S		MW-40		MW-45S		MW-46S		MW-47S		MW-48S	
Sample ID	MW-33S_033022		MW-40_033022		MW-45S_033022		MW-46S_033022		MW-47S_033122		MW-48S_033122	
Lab Sample ID	480-196271-5		480-196271-4		480-196271-6		480-196271-7		480-196346-7		480-196346-5	
Sample Date	3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/31/2022		3/31/2022	
Unit	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
MNA Parameters												
Alkalinity, Total (As CaCO3)	**370**		**141**		**388**		**317**		**263**		**373**	
Sulfate (As SO4)	**29**		**11.2**		**7**	J	10	U	**5.3**	J	**5.1**	J
Nitrogen, Ammonia (As N)	**0.92**		**0.32**		**0.41**		**3.6**		**5.6**		**2.5**	
Nitrogen, Nitrate (As N)	**0.58**		**0.49**		**0.069**		0.05	U	**5.1**		**0.041**	J
Nitrogen, Nitrite	0.05	U	**0.042**	J	0.05	U	0.05	U	0.05	U	0.05	U
Methane	**0.074**		**0.063**		**0.16**		**14**		**10**		**4.6**	
Ferrous Iron	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Iron	**2.1**		**0.76**		**2.6**		**13.2**		**50.6**		**4.8**	
Field Parameters												
pH (s.u.)	5.98		7.21		7.50		6.09		5.99		6.20	
Conductivity (mS/cm)	1.58		0.350		1.08		1.02		1.02		2.71	
Turbidity (NTUs)	0.8		2.4		13.1		6.8		32.5		0.0	
Dissolved Oxygen (mg/L)	0.46		1.1		1.18		0.84		0.47		0.33	
Temperature (degrees C)	7.25		6.28		8.30		9.41		13.16		12.88	
ORP (mV)	-15		-102		-88		-177		-156		-172	
Salinity (ppt)	0.8		0.2		0.5		0.5		0.5		1.4	
TDS (g/L)	1.01		0.225		0.694		0.654		0.652		1.73	

Notes:

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NA = Not Applicable

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U = Indicates an analyte was analyzed for but not detectec

Table 3
Summary of Groundwater Analytical Results - Monitored Natural Attenuation Parameters
2022 Q1 Groundwater Monitoring Event
Ithaca Court Street Former MGP Site - OU-2
Ithaca, New York

Location ID	MW-C11		MW-C12		MW-C16		MW-C25S	
Sample ID	MW-C11_032922		MW-C12_032922		MW-C16_032922		MW-C25S_032922	
Lab Sample ID	480-196247-1		480-196247-2		480-196247-3		480-196247-4	
Sample Date	3/29/2022		3/29/2022		3/29/2022		3/29/2022	
Unit	mg/L		mg/L		mg/L		mg/L	
	Result	Q	Result	Q	Result	Q	Result	Q
MNA Parameters								
Alkalinity, Total (As CaCO3)	**879**		**455**		**600**		**671**	
Sulfate (As SO4)	**2950**		**169**		**918**		**187**	
Nitrogen, Ammonia (As N)	**9.4**		**1.3**		**0.49**		0.02	U
Nitrogen, Nitrate (As N)	0.05	U	0.05	U	**0.026**	**J**	**0.035**	**J**
Nitrogen, Nitrite	0.05	U	0.05	U	0.05	U	**0.026**	**J**
Methane	**0.27**		**0.46**		**0.0061**		0.004	U
Ferrous Iron	**0.32**		0.1	U	0.1	U	0.1	U
Iron	**29**		**1.7**		**19.2**		**0.24**	
Field Parameters								
pH (s.u.)	7.19		6.21		7.49		7.52	
Conductivity (mS/cm)	8.71		1.44		4.78		3.90	
Turbidity (NTUs)	4.7		0.0		6.8		16.2	
Dissolved Oxygen (mg/L)	1.19		0.60		1.14		1.61	
Temperature (degrees C)	9.01		8.42		9.30		7.91	
ORP (mV)	-234		-174		-230		-54	
Salinity (ppt)			0.7		2.5		2.0	
TDS (g/L)			0.920		3.06		2.50	

Notes:

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F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits

NA = Not Applicable

ND = Non-detectable concentration

U = Indicates an analyte was analyzed for but not detectec

FIGURES

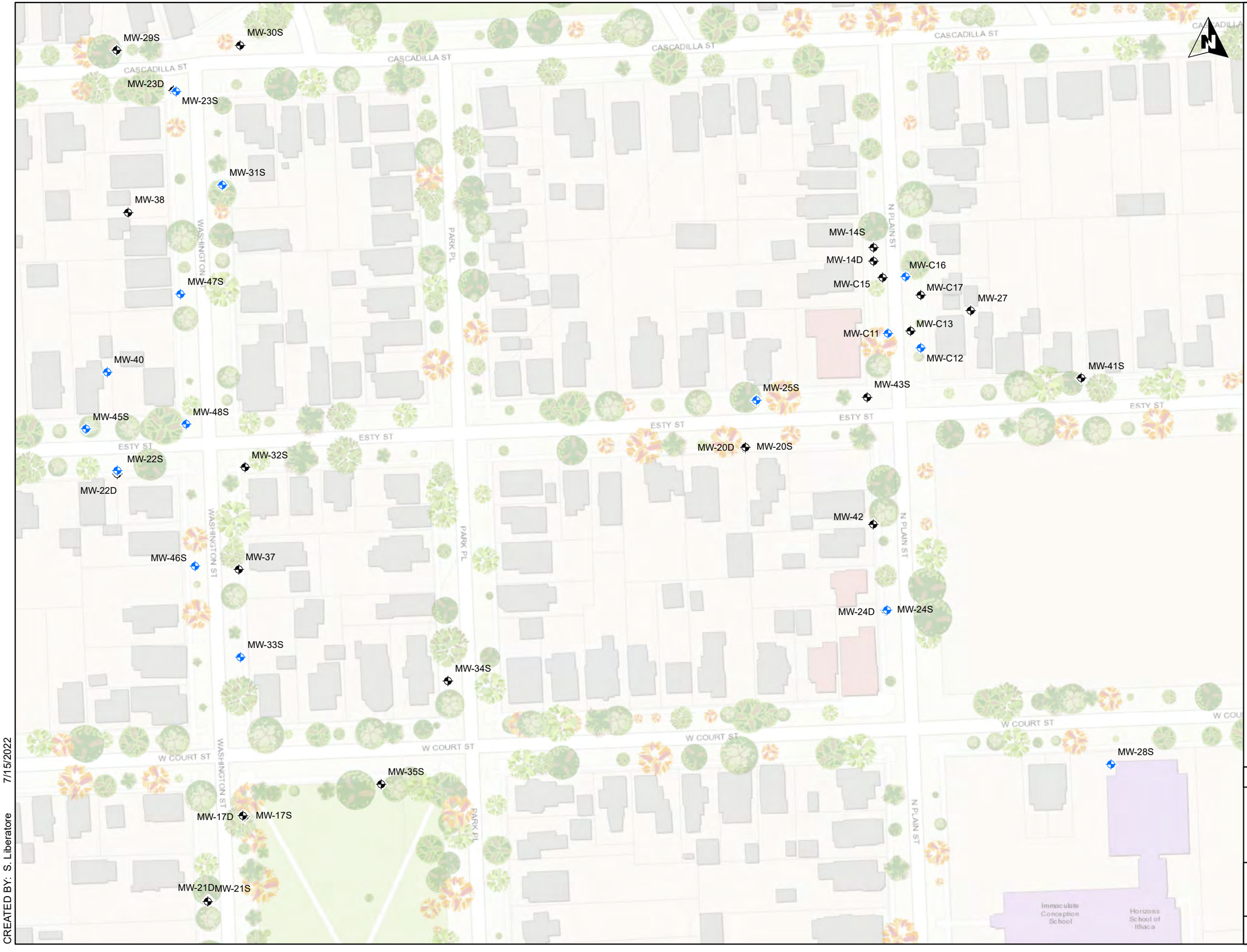
FILE NAME: C:\Users\p005740b\OneDrive - Parsons Corp\Documents\ArcGIS\Ithaca Court Street\GMR Figures\Figure 1 - Site Location Map.mxd
CREATED BY: S. Liberatore 7/15/2022

FIGURE 1

NYSEG
ITHACA COURT STREET FORMER MGP
1ST QUARTER 2022
GROUNDWATER MONITORING REPORT
ITHACA, NEW YORK

SITE LOCATION MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE NY 13212



GROUNDWATER MONITORING WELL GAUGED

GROUNDWATER MONITORING WELL SAMPLED

NOTES:
1. GROUNDWATER MONITORING WELL LOCATION DATA PROVIDED BY OTHERS.

0 50 100 200 Feet

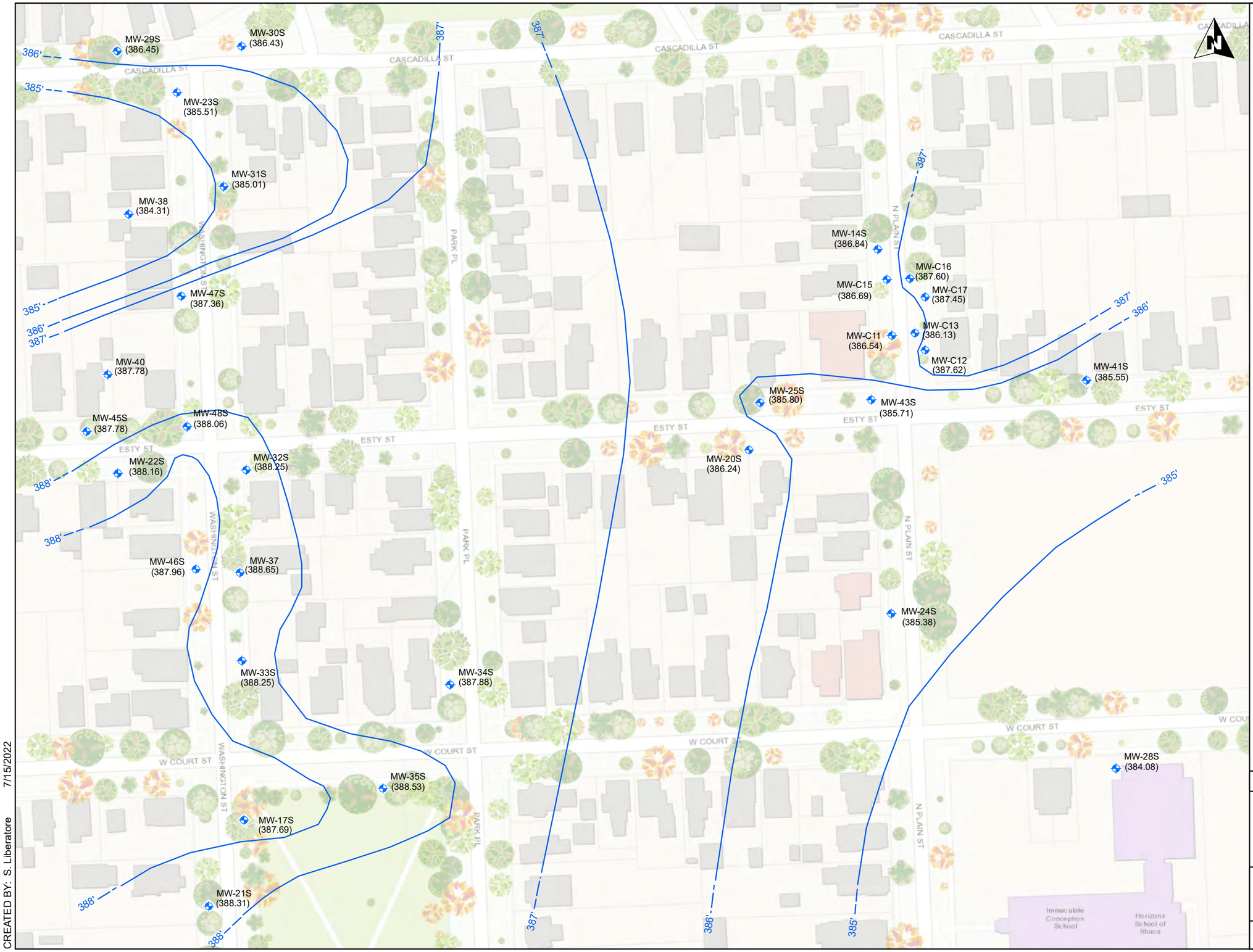
FIGURE 2

NYSEG
ITHACA COURT STREET FORMER MGP
1ST QUARTER 2022
GROUNDWATER MONITORING REPORT
ITHACA, NEW YORK

MONITORING WELL LOCATIONS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE NY 13212

FILE NAME: C:\Users\p005740b\OneDrive - Parsons Corp\Documents\ArcGIS\Ithaca Court Street\GMR Figures\Figure 2 - Sample Location Map.mxd
CREATED BY: S. Liberatore 7/15/2022



GAUGED GROUNDWATER MONITORING WELL LOCATIONS

GROUNDWATER CONTOURS

INFERRED GROUNDWATER CONTOURS

(384.08) GROUNDWATER ELEVATION

NOTES:
1. GROUNDWATER MONITORING WELL LOCATION DATA PROVIDED BY OTHERS.

2. HORIZONTAL POSITIONS REFERENCED TO NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE. REFERENCE DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD83) (CORS96).

3. VERTICAL DATUM IS NAVD88.

4. MONITORING WELLS MW-27 AND MW-42 INACCESSIBLE AT THE TIME OF GAUGING.

5. GROUNDWATER LEVEL MEASUREMENTS COLLECTED ON MARCH 28, 2022.

Feet
0 50 100 200

FIGURE 3

NYSEG
ITHACA COURT STREET FORMER MGP
1ST QUARTER 2022
GROUNDWATER MONITORING REPORT
ITHACA, NEW YORK

GROUNDWATER CONTOUR MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE NY 13212

FILE NAME: C:\Users\p005740b\OneDrive - Parsons Corp\Documents\ArcGIS\Ithaca Court Street\GMR Figures\Figure 3 - Groundwater Contour Map.mxd
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MW-23S	3/2022
BTEX via 8260C	
Ethylbenzene	8.7
Xylenes	7.9 J
PAHs via 8270D	
Acenaphthene	55
Benzo(A)Anthracene	0.084
Benzo(A)Pyrene	0.048 J
Benzo(B)Fluoranthene	0.051
Benzo(K)Fluoranthene	0.048 J
Indeno(1,2,3-C,D)Pyrene	0.072

MW-47S	3/2022
PAHs via 8270D	
Benzo(A)Anthracene	0.036 J
Benzo(A)Pyrene	0.049 J
Benzo(B)Fluoranthene	0.054
Indeno(1,2,3-C,D)Pyrene	0.046 J

MW-40	3/2022
PAHs via 8270D	
Benzo(A)Anthracene	0.024 J

MW-22S	3/2022
Cyanide via 9012	
Cyanide	430

MW-48S	3/2022
BTEX via 8260C	
Benzene	67
Ethylbenzene	57
Xylenes	28
PAHs via 8270D	
Acenaphthene	31
Naphthalene	32

MW-46S	3/2022
BTEX via 8260C	
Benzene	1400
Ethylbenzene	1300
Toluene	37
Xylenes	660
PAHs via 8270D	
Acenaphthene	72
Chrysene	0.52
Naphthalene	2300
Benzo(A)Anthracene	2.2
Benzo(A)Pyrene	2.2
Benzo(B)Fluoranthene	1.4
Benzo(K)Fluoranthene	0.6
Indeno(1,2,3-C,D)Pyrene	0.78

MW-C16	3/2022
PAHs via 8270D	
Benzo(A)Anthracene	0.019 J

MW-C11	3/2022
BTEX via 8260C	
Benzene	2.3

MW-C12	3/2022
BTEX via 8260C	
Benzene	4.6
Ethylbenzene	13
PAHs via 8270D	
Acenaphthene	130

MW-23S
MW-31S
MW-47S
MW-40
MW-45S
MW-48S
MW-22S
MW-46S
MW-33S
MW-C16
MW-C11
MW-C12
MW-25S
MW-24S
MW-28S

CASCADILLA ST
ESTY ST
W COURT ST
WASHINGTON ST
PARK PL
N PLAIN ST

Immaculate Conception School
Horizons School of Ithaca

SAMPLED GROUNDWATER MONITORING WELL

Analyte	NYSDEC Class GA Standards/ Guidelines (ppb)
BTEX via 8260C	
Benzene	1
Ethylbenzene	5
Toluene	5
Xylenes	5
PAHs via 8270D	
Acenaphthene	20
Anthracene	50
Chrysene	0.002
Fluoranthene	50
Fluorene	50
Naphthalene	10
Phenanthrene	50
Benzo(A)Anthracene	0.002
Benzo(A)Pyrene	0
Benzo(B)Fluoranthene	0.002
Benzo(K)Fluoranthene	0.002
Indeno(1,2,3-C,D)Pyrene	0.002
Cyanide via 9012	
Cyanide	200

NOTES:
1. GROUNDWATER MONITORING WELL LOCATION DATA PROVIDED BY OTHERS.

2. ALL CONCENTRATIONS IN PARTS PER BILLION (ppb).

3. GROUNDWATER CONCENTRATIONS COMPARED TO NYSDEC GROUNDWATER QUALITY STANDARDS AND GUIDANCE VALUES (TOGS 1.1.1).

4. J INDICATES ESTIMATED VALUE.

0 50 100 200 Feet

FIGURE 4

NYSEG
ITHACA COURT STREET FORMER MGP
1ST QUARTER 2022
GROUNDWATER MONITORING REPORT
ITHACA, NEW YORK

GROUNDWATER ANALYTICAL EXCEEDANCES
BTEX, PAHs, AND TOTAL CYANIDE

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE NY 13212

FILE NAME: C:\Users\p005740b\OneDrive - Parsons Corp\Documents\ArcGIS\Ithaca Court Street\GMR Figures\Figure 4 - Exceedances.mxd
CREATED BY: S. Liberatore 7/16/2022

ATTACHMENT A

GROUNDWATER SAMPLING LOGS

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/30/22 MW-13S
Sampling Date: 3/30/22
Samplers: R. Fuchina of Parsons

SAMPLE ID: MW-13S_033022
Sampling Method: Peristaltic Pump - low flow

WELL PURGING

Static Water Level (TOC): Depth to Product = N/A Depth to Water = 6.73 Product Thickness ~~= sheen~~
Depth to Well Bottom (TOC): 14.44
CALCULATIONS:
2-inch Casing: Ft. of Water in Well 7.71 x 0.16 = 1.25 Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
6-inch Casing: Ft. of Water in Well ____ x 1.48 = ____ Gallons
Method: Low Flow

SAMPLE DESCRIPTION

Odor: Start: brown + thick; no odor/sheen End: clear; no odor; became cloudy half way through sampling, then cleared again
Other: Sample Time: 1045

FIELD TESTS Start: 0915 End: 1040

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE		
Time	0935	0945	0950	1005	1015	1025	1030	1035	1040
Depth To Water (TOC) (ft)	6.77	6.77	6.78	6.78	6.78	6.78	6.78	6.78	6.78
Flow Rate (ml/min)	175	175	175	175	175	175	175	175	175
pH (s.u.)	8.00	7.91	7.85	7.72	7.64	7.60	7.59	7.58	7.57
Conductivity (mS/cm)	2.73	2.74	2.73	2.66	2.61	2.58	2.57	2.56	2.55
Turbidity (NTUs)	106	43.5	12.4	35.3	22.0	7.2	4.3	3.9	7.9
Dissolved Oxygen (mg/L)	4.48	4.12	3.37	2.41	2.06	1.81	1.74	1.67	1.61
Temperature (Degrees C)	8.75	8.55	8.37	8.21	8.14	8.18	8.21	8.21	8.30
ORP (mV)	-111	-75	-59	-73	-89	-71	-65	-63	-70
Salinity (ppt)	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
TDS (g/L)	1.75	1.76	1.75	1.70	1.67	1.65	1.64	1.64	1.63

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 3500-FE-D, 2320B, 8270E, 8270D, RSK-175, 8260C
Shipped Via: Dropped off at lab (Syracuse)
Laboratory: Eurofins
Other Notes: Water at start was extremely turbid + thick; cleaned out Hori'ba + resumed pumping (0925)

PARSONS
GROUNDWATER SAMPLING RECORD MW-22S

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/31/2022 MW-22S
Sampling Date: 3/31/2022
Samplers: L. Toot of Parsons

SAMPLE ID: MW-22S-033122
Sampling Method: low flow / peri pump

WELL PURGING

Static Water Level (TOC): Depth to Product = NA Depth to Water = 3.56 Product Thickness = sheen
Depth to Well Bottom (TOC): 13.81

CALCULATIONS:				
Ft. of Water in Well		X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well 10.25	x 0.16 =	1.64	Gallons
3-inch Casing:	Ft. of Water in Well	x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well	x 0.64 =		Gallons
6-inch Casing:	Ft. of Water in Well	x 1.48 =		Gallons

Method: low flow

SAMPLE DESCRIPTION

Odor: clear / no odor
Other: sample time: 1010

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	0915	0930	0940	0945	0950	0955	1000
Depth To Water (TOC) (ft)	3.82	3.86	3.95	3.95	3.95	3.95	3.94
Flow Rate (ml/min)	215	215	215	215	215	215	215
pH (s.u.)	6.55	6.14	6.06	6.04	6.02	6.01	6.01
Conductivity (mS/cm)	0.756	0.755	0.754	0.755	0.756	0.756	0.757
Turbidity (NTUs)	6.5	2.5	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	3.92	2.91	2.57	2.49	2.26	2.25	2.26
Temperature (Degrees C)	10.26	9.32	9.16	9.14	9.26	9.24	9.25
ORP (mV)	100	196	206	208	211	211	212
Salinity (ppt)	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TDS (g/L)	0.484	0.483	0.483	0.483	0.484	0.484	0.484

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 3500-FE-D, 2320B 8270E, 8270D, RSK 175, 8260C

Shipped Via: dropped off at lab distribution center
Laboratory: Eurofins

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/31/22 MW-235
Sampling Date: 3/31/22
Samplers: R. Inchiro of Parsons

SAMPLE ID: MW-235_033122
Sampling Method: Peristaltic Pump - Low flow

WELL PURGING

Static Water Level (TOC): Depth to Product = NM Depth to Water = 6.20 ~~Product Thickness = sheen~~
Depth to Well Bottom (TOC): 13.69
CALCULATIONS:
2-inch Casing: Ft. of Water in Well 7.49 x 0.16 = 1.2 Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
6-inch Casing: Ft. of Water in Well ____ x 1.48 = ____ Gallons
Method: Low flow

SAMPLE DESCRIPTION

Odor: Start: cloudy; slight petro odor
Other: Sample Time: 1415

FIELD TESTS Start: 1315 End: 1410

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1320	1330	1340	1350	1400	1405	1410
Depth To Water (TOC) (ft)	6.23	6.23	6.23	6.23	6.23	6.23	6.23
Flow Rate (ml/min)	225	225	225	225	225	225	225
pH (s.u.)	7.50	7.47	7.46	7.45	7.45	7.44	7.45
Conductivity (mS/cm)	1.17	1.19	1.24	1.28	1.32	1.32	1.34
Turbidity (NTUs)	77.0	24.1	10.9	5.4	2.6	2.7	1.7
Dissolved Oxygen (mg/L)	1.45	1.14	1.01	0.44	0.90	0.89	0.88
Temperature (Degrees C)	13.34	12.13	12.27	11.65	11.14	11.18	11.10
ORP (mV)	-172	-181	-182	-181	-180	-179	-179
Salinity (ppt)	0.6	0.6	0.6	0.6	0.7	0.7	0.7
TDS (g/L)	0.759	0.764	0.794	0.820	0.843	0.848	0.851

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6900, 353.2, 3500_FE-D, 2320B, 8270D, 8270D, RSK_175, 8260C

Shipped Via: Day off at lab (Syracuse)
Laboratory: Eurofins

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD MW-24S

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/29/2022 MW-24S
Sampling Date: 3/29/2022
Samplers: L. Toot of Parsons

SAMPLE ID: MW-24S-033022
Sampling Method: low flow via peri pump

WELL PURGING

Static Water Level (TOC): Depth to Product = Depth to Water = 6.53 Product Thickness = sheen
Depth to Well Bottom (TOC): 13.62

CALCULATIONS:

2-inch Casing:	Ft. of Water in Well 7.09	x 0.16 =	1.13	Gallons * well casing is warped
3-inch Casing:	Ft. of Water in Well	x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well	x 0.64 =		Gallons
6-inch Casing:	Ft. of Water in Well	x 1.48 =		Gallons

Method: low-flow sampling

SAMPLE DESCRIPTION

Odor: no odor / initially turbid but cleared quickly
Other: will have to return and sample tomorrow

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	
Time	1530	1540	1550	1600	1610	1620	1630	1640
Depth To Water (TOC) (ft)	7.02	7.29	7.82	7.99	8.43	8.76	9.12	9.58
*Flow Rate (ml/min) 0.3'	150	150	175	150	175	175	150	150
pH (s.u.) 1su	6.56	6.30	6.30	6.27	6.25	6.22	6.20	6.16
Conductivity (mS/cm) 3%	1.71	1.66	1.58	1.57	1.59	1.62	1.62	1.64
Turbidity (NTUs)	61.2	36.0	24.8	13.0	7.8	3.1	2.5	0.3
Dissolved Oxygen (mg/L) 10%	5.59	2.66	4.87	4.68	4.17	3.75	3.36	2.61
Temperature (Degrees C) 3%	10.93	11.18	11.24	11.34	11.00	10.63	10.32	9.69
ORP (mV) 10mV	-14	-141	-66	-44	-29	-20	-18	-15
Salinity (ppt)	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TDS (g/L)	1.09	1.06	1.01	1.00	1.02	1.03	1.04	1.05

*1643 - Pump battery died, no way to connect to car, will have to return to well in the morning.

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 3500-FE-D, 2320B, 8270E, 8270D, RSK 175, 8260C

Shipped Via: dropped off at distribution center
Laboratory: Eurofins

Other Notes:

* can't pump at lower rate or pump shuts off

PARSONS
GROUNDWATER SAMPLING RECORD

MW-24S

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/30/22 MW-24S
Sampling Date: 3/30/22
Samplers: L. Toot of Parsons

SAMPLE ID: MW-24S-033022
Sampling Method: Low Flow

WELL PURGING

Static Water Level (TOC): Depth to Product = NA Depth to Water = 6.99 Product Thickness = sheen
Depth to Well Bottom (TOC): 13.62

CALCULATIONS:
Ft. of Water in Well ____ X (GAL / FT) = ____ Gallons
2-inch Casing: Ft. of Water in Well 6.63 x 0.16 = 1.06 Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
6-inch Casing: Ft. of Water in Well ____ x 1.48 = ____ Gallons
Method: low flow

SAMPLE DESCRIPTION

Odor: none / clear
Other: Sample time 0955

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	0855	0905	0915	0925	0935	0945	
Depth To Water (TOC) (ft)	7.24	7.85	8.10	8.80	9.30	9.74	
* Flow Rate (ml/min)	150	175	175	175	175	175	
pH (s.u.)	6.43	6.19	6.18	6.17	6.16	6.15	
Conductivity (mS/cm)	1.68	1.68	1.68	1.67	1.65	1.63	
Turbidity (NTUs)	18.5	5.7	2.3	2.1	1.0	0.0	
Dissolved Oxygen (mg/L)	2.42	3.14	4.44	4.85	5.54	5.36	
Temperature (Degrees C)	8.52	8.89	8.79	8.81	8.85	8.92	
ORP (mV)	46	-19	4	14	30	37	
Salinity (ppt)	0.8	0.8	0.8	0.8	0.8	0.8	
TDS (g/L)	1.08	1.07	1.07	1.07	1.06	1.04	

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 3500-FE-D, 2320B, 8270E, 8270D, RSK175, 8260C
Shipped Via: dropped off at lab distribution center (Syracuse)
Laboratory: Eurofins
Other Notes:

* pump shuts off if set any lower

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/29/22 MW-25S
Sampling Date: 3/29/22
Samplers: R. Inclima of Parsons

SAMPLE ID: MW-25S-032922
Sampling Method: Peristaltic Pump - low flow

WELL PURGING

Static Water Level (TOC): Depth to Product = N/A Depth to Water = 5.92 Product Thickness = sheen
Depth to Well Bottom (TOC): 9.70
CALCULATIONS:
Ft. of Water in Well By. X (GAL / FT) = Gallons
2-inch Casing: Ft. of Water in Well 3.78 x 0.16 = 0.616 Gallons
3-inch Casing: Ft. of Water in Well x 0.32 = Gallons
4-inch Casing: Ft. of Water in Well x 0.64 = Gallons
6-inch Casing: Ft. of Water in Well x 1.48 = Gallons
Method: Low Flow

SAMPLE DESCRIPTION

Odor: Start: clear; none End: clear; none
Other: Sample time: 1600

FIELD TESTS

Start: 1520 End: 1555 Time

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
	1530	1535	1540	1545	1550	1555	
Depth To Water (TOC) (ft)	6.67	7.16	7.33	7.60	7.81	7.85	
Flow Rate (ml/min)	200	200	175	175	175	175	
pH (s.u.)	7.61	7.60	7.58	7.55	7.53	7.52	
Conductivity (mS/cm)	3.99	3.83	3.85	3.90	3.90	3.90	
Turbidity (NTUs)	29.3	22.5	22.8	16.8	17.3	16.2	
Dissolved Oxygen (mg/L)	1.69	1.95	2.01	1.82	1.79	1.61	
Temperature (Degrees C)	8.16	7.77	7.64	7.77	7.88	7.91	
ORP (mV)	-64	-59	-58	-57	-55	-54	
Salinity (ppt)	2.1	2.0	2.0	2.0	2.0	2.0	
TDS (g/L)	2.55	2.45	2.46	2.49	2.50	2.58	

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 3500-FE-D, 2320B, 8270C, 8270D, RSK-175, 8260C
Shipped Via: Dropped off at Lab (Syracuse)
Laboratory: Chemtech
Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/31/22 — MW-28S
Sampling Date: 3/31/22
Samplers: R. Indima of Parsons

SAMPLE ID: MW-28S_033122
Sampling Method: Horiba Pump - Low Flow

WELL PURGING

Static Water Level (TOC): Depth to Product = NM Depth to Water = 7.64 ~~Product Thickness = sheen~~
Depth to Well Bottom (TOC): 19.54

CALCULATIONS:

2-inch Casing:	Ft. of Water in Well 11.90	x 0.16 =	1.94	Gallons
3-inch Casing:	Ft. of Water in Well	x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well	x 0.64 =		Gallons
6-inch Casing:	Ft. of Water in Well	x 1.48 =		Gallons

Method: Low Flow

SAMPLE DESCRIPTION

Odor: Start: slightly cloudy; black root-like material; slight petro. odor; slight bacterial sheen
Other: Sample Time: 0915 ~~250mL Amber bottle~~ found extra Amber to fill

FIELD TESTS Start: 0817 End: 0960

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	0840	0850	0900	0905	0910		
Depth To Water (TOC) (ft)	7.70	7.73	7.73	7.73	7.73		
Flow Rate (ml/min)	175	175	175	175	175		
pH (s.u.)	8.23	8.14	8.13	8.12	8.11		
Conductivity (mS/cm)	1.26	1.23	1.22	1.22	1.23		
Turbidity (NTUs)	26.2	13.7	9.3	10.7	8.2		
Dissolved Oxygen (mg/L)	1.37	1.15	1.06	1.01	0.99		
Temperature (Degrees C)	11.49	11.58	11.56	11.52	11.52		
ORP (mV)	-237	-251	-253	-254	-254		
Salinity (ppt)	0.6	0.6	0.6	0.6	0.6		
TDS (g/L)	0.808	0.785	0.779	0.783	0.787		

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0_28D, 6940C, 353.2, 3500_Fe_D, 2320B, 8270E, 8270D, RSK-175, 8260C

Shipped Via: Drop off at Lab (Syracuse)
Laboratory: Eurofins

Other Notes: 0825 - 0834: clog in tubing by "root-like" black organic material
MS/MSD (MW-28S-033122) Dup (DUP-033122) 0910

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/31/22 MW-315
Sampling Date: 3/31/22
Samplers: R. Ingham of Parsons

SAMPLE ID: MW-315_033122
Sampling Method: Peristaltic Pump - Low Flow

WELL PURGING

Static Water Level (TOC): Depth to Product = NM Depth to Water = 6.73 Product Thickness = sheen
Depth to Well Bottom (TOC): 11.56
CALCULATIONS: Ft. of Water in Well ____ X (GAL / FT) = ____ Gallons
2-inch Casing: Ft. of Water in Well 4.83 x 0.16 = 0.78 Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
6-inch Casing: Ft. of Water in Well ____ x 1.48 = ____ Gallons
Method: Low Flow

SAMPLE DESCRIPTION

Odor: none; clear
Other: Sample Time: 1215

FIELD TESTS Start: 1115 End: 1210

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1125	1130	1140	1150	1200	1205	1210
Depth To Water (TOC) (ft)	6.74	6.74	6.74	6.74	6.74	6.74	6.74
Flow Rate (ml/min)	200	200	200	200	200	200	200
pH (s.u.)	7.66	7.59	7.45	7.41	7.39	7.38	7.37
Conductivity (mS/cm)	0.851	0.835	0.780	0.779	0.781	0.783	0.782
Turbidity (NTUs)	68.4	36.6	10.4	4.4	1.8	1.5	1.1
Dissolved Oxygen (mg/L)	1.45	1.34	1.12	1.02	0.97	0.94	0.92
Temperature (Degrees C)	10.24	9.98	9.58	9.50	9.66	9.60	9.60
ORP (mV)	-113	-105	-80	-74	-76	-77	-77
Salinity (ppt)	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TDS (g/L)	0.544	0.534	0.499	0.499	0.500	0.501	0.501

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0_28D, 6900, 357.2, 3500_FE_D, 2320 B, 8270E, 8270D, RSK_175, 8260C

Shipped Via: Drop off at lab (Syracuse)
Laboratory: Eurofins

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD MW-335

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/30/22 MW-335
Sampling Date: 3/30/22
Samplers: L. Toot of Parsons

SAMPLE ID: MW-335-033022
Sampling Method: low flow via peri pump

WELL PURGING

Static Water Level (TOC): Depth to Product = NA Depth to Water = 3.56 Product Thickness = sheen
Depth to Well Bottom (TOC): 9.49

CALCULATIONS:				
2-inch Casing:	Ft. of Water in Well 5.93	x 0.16 =	0.95	Gallons
3-inch Casing:	Ft. of Water in Well	x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well	x 0.64 =		Gallons
6-inch Casing:	Ft. of Water in Well	x 1.48 =		Gallons

Method: low flow

SAMPLE DESCRIPTION

Odor: none / slightly cloudy at first clear at end
Other: Sample time 1345

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE			
Time	1220	1230	1240	1250	1255	1300	1310	1320	1325	1330
Depth To Water (TOC) (ft)	3.80	4.17	4.45	4.76	4.85	4.95	5.11	5.35	5.46	5.50
Flow Rate (ml/min)	150	150	150	150	150	150	150	150	150	150
pH (s.u.)	6.36	6.16	6.09	6.05	6.04	6.03	6.01	5.98	5.98	5.98
Conductivity (mS/cm)	1.57	1.57	1.54	1.53	1.53	1.53	1.54	1.58	1.56	1.58
Turbidity (NTUs)	78.8	75.2	47.0	17.9	15.7	11.1	6.1	2.1	2.0	0.5
Dissolved Oxygen (mg/L)	0.97	0.70	0.65	0.57	0.56	0.53	0.49	0.47	0.47	0.46
Temperature (Degrees C)	7.45	7.28	7.27	7.16	7.18	7.16	7.18	7.25	7.26	7.25
ORP (mV)	-15	-35	-18	-16	-16	-15	-10	-13	-15	-15
Salinity (ppt)	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.8	0.8
TDS (g/L)	1.01	1.00	0.984	0.986	0.982	0.981	0.988	1.01	1.00	1.01

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 3500-FE-D, 2320B, 8270E, 8270D, RSK 175, 8260C
Shipped Via: dropped off at lab distribution center,
Laboratory: Eurofins
Other Notes: color at start of purging - yellow/orange

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/30/22 MW-40
Sampling Date: 3/30/22
Samplers: R. Indiveri of Parsons

SAMPLE ID: MW-40_033022
Sampling Method: Peristaltic Pump- low flow

WELL PURGING

Static Water Level (TOC): Depth to Product = NA Depth to Water = 4.31 ~~Product Thickness = sheen~~
Depth to Well Bottom (TOC): 8.36
CALCULATIONS: Ft. of Water in Well ____ X (GAL / FT) = ____ Gallons
2-inch Casing: Ft. of Water in Well 4.05 x 0.16 = 0.66 Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
6-inch Casing: Ft. of Water in Well ____ x 1.48 = ____ Gallons
Method: Low Flow

SAMPLE DESCRIPTION

Odor: Start: orange-brown; no odor End: clear; no odor
Other: Sample Time: 1245

FIELD TESTS Start: 1145 End: 1240

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1155	1205	1215	1225	1235	1240	
Depth To Water (TOC) (ft)	4.36	4.43	4.43	4.42	4.42	4.42	
Flow Rate (ml/min)	200	200	180	180	180	180	
pH (s.u.)	8.61	7.58	7.33	7.26	7.20	7.21	
Conductivity (mS/cm)	0.577	0.402	0.356	0.352	0.351	0.350	
Turbidity (NTUs)	>1000	108	32.8	3.5	2.3	2.4	
Dissolved Oxygen (mg/L)	2.66	1.34	1.87	1.16	1.12	1.10	
Temperature (Degrees C)	6.94	6.69	6.50	6.41	6.21	6.28	
ORP (mV)	-185	-155	-118	-108	-104	-102	
Salinity (ppt)	0.3	0.2	0.2	0.2	0.2	0.2	
TDS (g/L)	0.369	0.260	0.231	0.228	0.228	0.225	

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6910C, 353.2, 3500-Fe-D, 2320B, 8270E, 8270D, RSK-175, 8260C

Shipped Via: Drop off at Lab (Syracuse)
Laboratory Eurofins

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/30/22 MW-45S
Sampling Date: 3/31/22
Samplers: R. Indima of Parsons

SAMPLE ID: MW-45S_033122
Sampling Method: Peristaltic - Low Flow

WELL PURGING

Static Water Level (TOC): Depth to Product = N/A Depth to Water = 4.08 ~~Product Thickness~~ = sheen
Depth to Well Bottom (TOC): 14.79

CALCULATIONS:				
2-inch Casing:	Ft. of Water in Well 10.71	x 0.16 =	1.75	Gallons
3-inch Casing:	Ft. of Water in Well	x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well	x 0.64 =		Gallons
6-inch Casing:	Ft. of Water in Well	x 1.48 =		Gallons

Method:

SAMPLE DESCRIPTION

Odor: Start: slightly cloudy; no odor End: clear; no odor
Other: Sample Time: 1145

FIELD TESTS Start: 1355 End: 1440

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1400	1410	1420	1430	1435	1440	
Depth To Water (TOC) (ft)	4.47	5.13	5.85	6.67	6.78	6.99	
Flow Rate (ml/min)	175	175	175	175	175	175	
pH (s.u.)	7.37	7.47	7.52	7.52	7.51	7.50	
Conductivity (mS/cm)	1.12	1.10	1.08	1.08	1.08	1.08	
Turbidity (NTUs)	48.6	26.7	17.4	14.1	13.5	13.1	
Dissolved Oxygen (mg/L)	1.76	1.25	1.20	1.22	1.20	1.18	
Temperature (Degrees C)	6.99	7.85	8.37	8.41	8.37	8.30	
ORP (mV)	-35	-57	-66	-78	-87	-88	
Salinity (ppt)	0.5	0.5	0.5	0.5	0.5	0.5	
TDS (g/L)	0.715	0.704	0.694	0.692	0.693	0.694	

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012 B, 300.0-28D, 6900, 353.2, 3500-FE-D, 2320 B, 8270 C, 8270D, KSK-175, 8260 C

Shipped Via: Drop off at Lab (Syracuse)
Laboratory: Eurofins

Other Notes: Unable to keep peri pump below 175 ml/min; peri pump shut down half way through sampling - may throw off NTU

PARSONS
GROUNDWATER SAMPLING RECORD

MW-46S

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/30/2022 MW-46S
Sampling Date: 3/30/2022
Samplers: L. Trost of Parsons

SAMPLE ID: MW-46S-03302022
Sampling Method: Low Flow via peri-pump

WELL PURGING

Static Water Level (TOC): Depth to Product = NA Depth to Water = 3.73 Product Thickness = sheen
Depth to Well Bottom (TOC): 16.87
CALCULATIONS:
2-inch Casing: Ft. of Water in Well 13.14 x 0.16 = 2.10 Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
6-inch Casing: Ft. of Water in Well ____ x 1.48 = ____ Gallons
Method: low flow

SAMPLE DESCRIPTION

Odor: no odor / slight sheen (bacterial)
Other: sampled @ 1620

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE				
Time	1440	1450	1500	1510	1520	1530	1540	1550	1600	1605	1610
Depth To Water (TOC) (ft)	3.95	4.01	4.06	4.11	4.23	4.25	4.27	4.26	4.25	4.25	4.26
Flow Rate (ml/min)	160	160	160	160	160	160	160	160	160	160	160
pH (s.u.)	5.82	6.28	6.19	6.15	6.12	6.11	6.11	6.10	6.09	6.09	6.09
Conductivity (mS/cm)	1.15	0.908	0.927	0.962	0.979	0.989	1.00	1.02	1.02	1.02	1.02
Turbidity (NTUs)	201	80.8	55.5	46.0	35.4	24.3	18.0	19.9	45.8	7.6	6.8
Dissolved Oxygen (mg/L)	0.77	0.50	0.44	0.41	0.38	0.37	1.18	1.06	1.02	0.87	0.84
Temperature (Degrees C)	7.49	9.01	9.16	9.19	9.38	9.37	9.51	9.42	9.40	9.39	9.41
ORP (mV)	-57	-154	-158	-161	-169	-170	-173	-176	-177	-177	-177
Salinity (ppt)	0.6	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
TDS (g/L)	0.750	0.581	0.594	0.615	0.627	0.633	0.642	0.651	0.652	0.647	0.654

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 3500-FE-D, 2320B, 8270E, 8270D, RSK175, 8260C
Shipped Via: dropped off at distribution center (Eurofins ~~Test America~~)
Laboratory: Eurofins/TA
Other Notes:

	1615
DTW	4.26
Flow	160
pH	6.09
cond.	1.02
Turb	5.0
D.O.	0.80
Temp	9.41
ORP	-178
Salinity	0.5
TDS	0.654

PARSONS
GROUNDWATER SAMPLING RECORD

MW-47S

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/31/22 MW-47S
Sampling Date: 3/31/22
Samplers: L. Toot of Parsons

SAMPLE ID:
Sampling Method: MW-47S-033122 Low-Flow/peri pump

WELL PURGING

Static Water Level (TOC): Depth to Product = NA Depth to Water = 4.52 Product Thickness = sheen
Depth to Well Bottom (TOC): 14.92

CALCULATIONS:			
2-inch Casing:	Ft. of Water in Well 10.4	x 0.16 = 1.664	Gallons
3-inch Casing:	Ft. of Water in Well	x 0.32 =	Gallons
4-inch Casing:	Ft. of Water in Well	x 0.64 =	Gallons
6-inch Casing:	Ft. of Water in Well	x 1.48 =	Gallons

Method: low-flow

SAMPLE DESCRIPTION

Odor: clear/no odor
Other: sample time ~~1540~~ 1550

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1450	1500	1510	1520	1530	1540	
Depth To Water (TOC) (ft)	5.82	6.49	7.60	8.64	9.72	10.56	
Flow Rate (ml/min)	200	200	150	150	150	150	
pH (s.u.)	6.60	6.16	6.05	6.00	5.99	5.99	
Conductivity (mS/cm)	0.928	0.925	0.961	0.978	0.995	1.02	
Turbidity (NTUs)	4.2	6.5	9.9	23.0	20.7	32.5	
Dissolved Oxygen (mg/L)	1.11	0.54	0.46	0.44	0.45	0.47	
Temperature (Degrees C)	13.87	14.44	14.12	13.69	13.49	13.16	
ORP (mV)	-145	-144	-147	-149	-151	-156	
Salinity (ppt)	0.5	0.5	0.5	0.5	0.5	0.5	
TDS (g/L)	0.594	0.592	0.615	0.626	0.636	0.652	

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 350-FE-D, 2320B, 8270E, 8270D, RSK-175, 8260C

Shipped Via: Drop off @ lab (Syracuse dist. center)
Laboratory: Eurofins

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

MW-48S

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/31/2022 MW-48S
Sampling Date: 3/31/2022
Samplers: L. Toot of Parsons

SAMPLE ID: MW-48S-033122
Sampling Method: Low flow peri pump

WELL PURGING

Static Water Level (TOC): Depth to Product = Depth to Water = 3.69 Product Thickness = sheen
Depth to Well Bottom (TOC): 13.44

CALCULATIONS:				
2-inch Casing:	Ft. of Water in Well 9.75	x 0.16 =	1.56	Gallons
3-inch Casing:	Ft. of Water in Well	x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well	x 0.64 =		Gallons
6-inch Casing:	Ft. of Water in Well	x 1.48 =		Gallons

Method: low flow

SAMPLE DESCRIPTION

Odor: none / clear
Other: Sample time: 1245

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE		
Time	1140	1150	1200	1210	1215	1225	1230	1235	1240
Depth To Water (TOC) (ft)	3.99	4.08	4.01	4.01	4.01	4.01	4.01	4.02	4.02
Flow Rate (ml/min)	250	250	225	225	225	225	225	225	225
pH (s.u.)	5.88	5.96	6.05	6.09	6.11	6.17	6.19	6.20	6.20
Conductivity (mS/cm)	1.57	2.44	2.65	2.69	2.71	2.71	2.72	2.70	2.71
Turbidity (NTUs)	5.6	11.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	1.32	0.54	0.44	0.40	0.38	0.35	0.33	0.33	0.33
Temperature (Degrees C)	13.30	12.01	12.21	12.19	12.36	12.85	12.79	13.01	12.88
ORP (mV)	-103	-149	-159	-165	-165	-170	-172	-172	-172
Salinity (ppt)	0.6	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TDS (g/L)	1.00	1.56	1.70	1.72	1.73	1.73	1.74	1.73	1.73

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0, 8260D, 6010C, 353.2, 3500-FE-D, 2320B, 8270E, 8270D, RSK 175, 8260C

Shipped Via: Drop off at lab distribution center (Syracuse)
Laboratory: Eurofins

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/29/22 — MW-C11
Sampling Date: 3/29/22
Samplers: R. Inclima of Parsons

SAMPLE ID: MW-C11_032922
Sampling Method: Peristaltic pump - low flow

WELL PURGING

Static Water Level (TOC): Depth to Product = N/A Depth to Water = 5.22 Product Thickness = ~~sheen~~
Depth to Well Bottom (TOC): 17.25

CALCULATIONS:				
	Ft. of Water in Well	X (GAL / FT) =		Gallons
2-inch Casing:	Ft. of Water in Well 12.03	x 0.16 =	1.96	Gallons
3-inch Casing:	Ft. of Water in Well	x 0.32 =		Gallons
4-inch Casing:	Ft. of Water in Well	x 0.64 =		Gallons
6-inch Casing:	Ft. of Water in Well	x 1.48 =		Gallons

Method: Low Flow

SAMPLE DESCRIPTION

Odor: None; clear
Other: Sample Time: 1150

FIELD TESTS

Start: 1045 End: 1145

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	
Time	1050	1100	1110	1115	1125	1135	1140	1145
Depth To Water (TOC) (ft)	6.03	6.12	6.23	6.28	6.32	6.36	6.44	6.47
Flow Rate (ml/min)	250	250	250	250	250	250	250	250
pH (s.u.)	7.06	7.11	7.15	7.14	7.15	7.17	7.18	7.19
Conductivity (mS/cm)	0.851	7.05	8.54	8.47	8.60	8.61	8.69	8.71
Turbidity (NTUs)	379	41.5	19.1	18.7	8.0	11.7	5.6	4.7
Dissolved Oxygen (mg/L)	2.28	1.54	1.39	1.35	1.32	1.25	1.23	1.19
Temperature (Degrees C)	8.14	8.68	8.84	8.84	8.93	8.61	9.08	9.01
ORP (mV)	122	-184	-219	-221	-227	-229	-232	-234
Salinity (ppt)								
TDS (g/L)								

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0_28D, 6010C, 353.2, 3500_Fe_D, 2320B, 8270E, 8270D, RSK_175, 8260C

Shipped Via: Drop-off at Lab (Syracuse)
Laboratory: Eurofins

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

MW-C12

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/29/2022 MW-C12
Sampling Date: 3/29/2022
Samplers: L. Toot of Parsons

SAMPLE ID: MW-C12-032922
Sampling Method: peri pump / low flow

WELL PURGING

Static Water Level (TOC): Depth to Product = NA Depth to Water = 5.66 Product Thickness = sheen
Depth to Well Bottom (TOC): 17.23
CALCULATIONS: Ft. of Water in Well [redacted] X (GAL / FT) = ____ Gallons
2-inch Casing: Ft. of Water in Well 11.57 x 0.16 = 1.85 Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
6-inch Casing: Ft. of Water in Well ____ x 1.48 = ____ Gallons
Method: low flow

SAMPLE DESCRIPTION

Odor: slight odor
Other: sample time - 1315 MW-C12-032922

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	1230	1240	1250
Time	1120	1130	1140	1150	1200	1210	1220	1230	1240	1250
Depth To Water (TOC) (ft) 0.3'	6.19	6.22	6.26	6.28	6.31	6.33	6.36	6.38	6.38	6.39
Flow Rate (ml/min)	175	150	175	175	175	175	175	175	175	175
pH (s.u.) 1su	5.40	5.69	5.99	6.05	6.11	6.14	6.18	6.20	6.23	6.23
Conductivity (mS/cm) 3%	1.79	1.77	1.69	1.62	1.53	1.53	1.50	1.48	1.46	1.45
Turbidity (NTUs)	32.5	23.4	8.4	5.0	1.4	0.9	LT [redacted] 0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L) 10%	1.94	1.75	1.42	1.23	0.94	0.88	0.76	0.71	0.63	0.61
Temperature (Degrees C) 3%	4.41	4.95	6.02	6.04	7.02	7.18	7.53	7.75	8.28	8.46
ORP (mV) 10mV	112	29	-77	-113	-145	-152	-161	-166	-172	-174
Salinity (ppt)	0.9	0.9	0.8	0.8	0.8	0.9	0.7	0.7	0.7	0.7
TDS (g/L)	1.15	1.14	1.09	1.04	0.982	0.978	0.961	0.950	0.935	0.927

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 3500-FE-D, 2320B, 8270E, 8270D, RSK-175, 8260C
Shipped Via: Drop-off at distribution center
Laboratory: Eurofins
Other Notes:

Time	1300
DTW (ft)	6.38
Flow mL/min	175
pH	6.21
(mS/cm)	1.44
(NTU)	0.0
(mg/L)	0.60
Temp (°C)	8.42
(mV)	-174
(ppt)	0.7
(g/L)	0.920

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: NYSEG - Court Street Former MGP
PROJECT NUMBER: 452964
Purge Date: 3/29/22 — MW-C16
Sampling Date: 3/29/22
Samplers: R. Inclima of Parsons

SAMPLE ID: MW-C16_032922
Sampling Method: Peristaltic Pump - low flow

WELL PURGING

Static Water Level (TOC): Depth to Product = N/A Depth to Water = 4.22 Product Thickness ~~= sheen~~
Depth to Well Bottom (TOC): 16.07
CALCULATIONS: Ft. of Water in Well ____ X (GAL / FT) = ____ Gallons
2-inch Casing: Ft. of Water in Well 11.85 x 0.16 = 1.93 Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
6-inch Casing: Ft. of Water in Well ____ x 1.48 = ____ Gallons
Method: Low Flow

SAMPLE DESCRIPTION

Odor: Start: slight sulfuric; black particulates End: clear; slight sulfine
Other: Sample Time: 1420

FIELD TESTS

Start: 1255 End: 1415

Time	PURGE 1305	PURGE 1315	PURGE 1320	PURGE 1335	PURGE 1345	PURGE 1355	PURGE 1400	1405	1410	1415
Depth To Water (TOC) (ft)	6.94	8.64	8.92	9.43	9.44	9.42	9.45	9.46	9.51	9.48
Flow Rate (ml/min)	275	250	225	225	210	210	210	210	210	210
pH (s.u.)	7.36	7.35	7.39	7.43	7.45	7.46	7.46	7.47	7.48	7.49
Conductivity (mS/cm)	5.96	4.46	4.16	4.07	4.28	4.51	4.65	4.75	4.76	4.78
Turbidity (NTUs)	234	96.8	86.2	54.9	41.3	22.4	15.5	10.4	9.1	6.8
Dissolved Oxygen (mg/L)	1.58	1.34	1.38	1.53	1.52	1.40	1.30	1.22	1.17	1.14
Temperature (Degrees C)	9.08	9.00	8.98	9.23	9.27	9.19	9.47	9.34	9.23	9.30
ORP (mV)	-179	-183	-189	-209	-215	-222	-225	-228	-229	-230
Salinity (ppt)	3.2	2.3	2.2	2.1	2.2	2.4	2.4	2.5	2.5	2.5
TDS (g/L)	3.76	2.85	2.66	2.61	2.75	2.89	2.98	3.04	3.05	3.06

SAMPLE ANALYSIS / LABORATORY

Analyze For: 350.1, 9012B, 300.0-28D, 6010C, 353.2, 3500-Fe-D, 2320B, 8270C, 8270D, RSK-175, 8260C
Shipped Via: Drop off at Lab (Syracuse)
Laboratory: Eurofins
Other Notes:

ATTACHMENT B
LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-196247-1
Client Project/Site: NYSEG - Ithaca Court St. - GW Sampling

For:
Parsons Corporation
301 Plainfield Road
Suite 350
Syracuse, New York 13212

Attn: Stephen Liberatore

Authorized for release by:
4/13/2022 2:49:16 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: Parsons Corporation
Job ID: 480-196247-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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 VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-196247-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-196247-1

Comments
No additional comments.

Receipt
The samples were received on 3/30/2022 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6º C and 2.4º C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-C11_032922 (480-196247-1), MW-C16_032922 (480-196247-3) and MW-C25S_032922 (480-196247-4). 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_LL_PAH: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-C12_032922 (480-196247-2). Elevated reporting limits (RLs) are provided.

Method 8270E SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-836811 and analytical batch 460-836997 recovered outside control limits for the following analytes: Benzo[a]pyrene.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-C11_032922 (480-196247-1), MW-C12_032922 (480-196247-2), MW-C16_032922 (480-196247-3) and MW-C25S_032922 (480-196247-4). 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 VOA
Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-C11_032922 (480-196247-1) and MW-C12_032922 (480-196247-2). 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.

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

General Chemistry
Method SM 3500 FE D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: MW-C11_032922 (480-196247-1), MW-C12_032922 (480-196247-2), MW-C16_032922 (480-196247-3) and MW-C25S_032922 (480-196247-4).

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

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

Detection Summary

Client: Parsons Corporation
Job ID: 480-196247-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-C11_032922 — Lab Sample ID: 480-196247-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.3		2.0	0.82	ug/L	2		8260C	Total/NA
Total BTEX	2.3	J	4.0	2.0	ug/L	2		8260C	Total/NA
Acenaphthene	0.58		0.50	0.30	ug/L	1		8270D_LL_PAH	Total/NA
Methane	270		88	22	ug/L	22		RSK-175	Total/NA
Iron	29.0		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	2950		100	17.5	mg/L	50		300.0	Total/NA
Ammonia	9.4		0.20	0.090	mg/L	10		350.1	Total/NA
Cyanide, Total	0.022		0.010	0.0050	mg/L	1		9012B	Total/NA
Alkalinity, Total	879		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Ferrous Iron	0.32	HF	0.10	0.075	mg/L	1		SM 3500 FE D	Total/NA

Client Sample ID: MW-C12_032922 — Lab Sample ID: 480-196247-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.6		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	13		1.0	0.74	ug/L	1		8260C	Total/NA
o-Xylene	0.89	J	1.0	0.76	ug/L	1		8260C	Total/NA
Total BTEX	18		2.0	1.0	ug/L	1		8260C	Total/NA
Xylenes, Total	0.89	J	2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	130	E	0.50	0.30	ug/L	1		8270D_LL_PAH	Total/NA
Fluorene	19		0.50	0.37	ug/L	1		8270D_LL_PAH	Total/NA
Phenanthrene	1.4		0.50	0.38	ug/L	1		8270D_LL_PAH	Total/NA
Acenaphthene - DL	130		5.0	3.0	ug/L	10		8270D_LL_PAH	Total/NA
Fluorene - DL	17		5.0	3.7	ug/L	10		8270D_LL_PAH	Total/NA
Methane	460		44	11	ug/L	11		RSK-175	Total/NA
Iron	1.7		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	169		10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	1.3		0.020	0.0090	mg/L	1		350.1	Total/NA
Alkalinity, Total	455		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-C16_032922 — Lab Sample ID: 480-196247-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	14		0.50	0.30	ug/L	1		8270D_LL_PAH	Total/NA
Fluoranthene	0.58		0.50	0.36	ug/L	1		8270D_LL_PAH	Total/NA
Fluorene	2.5		0.50	0.37	ug/L	1		8270D_LL_PAH	Total/NA
Pyrene	0.65		0.50	0.36	ug/L	1		8270D_LL_PAH	Total/NA
Benzo[a]anthracene	0.019	J	0.050	0.016	ug/L	1		8270E SIM	Total/NA
Methane	6.1		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	19.2		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	918		40.0	7.0	mg/L	20		300.0	Total/NA
Ammonia	0.49		0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	0.026	J	0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	600		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-C25S_032922 — Lab Sample ID: 480-196247-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.24		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	187		20.0	3.5	mg/L	10		300.0	Total/NA
Nitrate as N	0.035	J	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.026	J	0.050	0.020	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: MW-C25S_032922 (Continued)
Lab Sample ID: 480-196247-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.024		0.010	0.0050	mg/L	1		9012B	Total/NA
Alkalinity, Total	671		5.0	0.79	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-C11_032922
Lab Sample ID: 480-196247-1

Date Collected: 03/29/22 11:50
Matrix: Water
Date Received: 03/30/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.3**		2.0	0.82	ug/L			03/31/22 05:53	2
Bromoform	ND		2.0	0.52	ug/L			03/31/22 05:53	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			03/31/22 05:53	2
Chloroform	ND		2.0	0.68	ug/L			03/31/22 05:53	2
Dichlorobromomethane	ND		2.0	0.78	ug/L			03/31/22 05:53	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/31/22 05:53	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			03/31/22 05:53	2
o-Xylene	ND		2.0	1.5	ug/L			03/31/22 05:53	2
Toluene	ND		2.0	1.0	ug/L			03/31/22 05:53	2
Total BTEX	**2.3**	**J**	4.0	2.0	ug/L			03/31/22 05:53	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/31/22 05:53	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*03/31/22 05:53*	*2*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/31/22 05:53*	*2*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*03/31/22 05:53*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/22 05:53*	*2*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.58**		0.50	0.30	ug/L		03/30/22 14:45	03/31/22 13:35	1
Acenaphthylene	ND		0.50	0.34	ug/L		03/30/22 14:45	03/31/22 13:35	1
Anthracene	ND		0.50	0.39	ug/L		03/30/22 14:45	03/31/22 13:35	1
Chrysene	ND		0.50	0.32	ug/L		03/30/22 14:45	03/31/22 13:35	1
Fluoranthene	ND		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 13:35	1
Fluorene	ND		0.50	0.37	ug/L		03/30/22 14:45	03/31/22 13:35	1
Naphthalene	ND		0.50	0.42	ug/L		03/30/22 14:45	03/31/22 13:35	1
Phenanthrene	ND		0.50	0.38	ug/L		03/30/22 14:45	03/31/22 13:35	1
Pyrene	ND		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*48 - 120*	*03/30/22 14:45*	*03/31/22 13:35*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*03/30/22 14:45*	*03/31/22 13:35*	*1*
p-Terphenyl-d14	*66*		*24 - 136*	*03/30/22 14:45*	*03/31/22 13:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/01/22 10:29	04/02/22 17:14	1
Benzo[a]pyrene	ND	*1	0.050	0.022	ug/L		04/01/22 10:29	04/02/22 17:14	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/01/22 10:29	04/02/22 17:14	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/01/22 10:29	04/02/22 17:14	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/01/22 10:29	04/02/22 17:14	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/01/22 10:29	04/02/22 17:14	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/01/22 10:29	04/02/22 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*108*		*25 - 131*	*04/01/22 10:29*	*04/02/22 17:14*	*1*
Nitrobenzene-d5	*106*		*54 - 134*	*04/01/22 10:29*	*04/02/22 17:14*	*1*

Client Sample ID: MW-C11_032922
Lab Sample ID: 480-196247-1

Date Collected: 03/29/22 11:50
Matrix: Water
Date Received: 03/30/22 08:00

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**270**		88	22	ug/L			03/30/22 20:39	22

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**29.0**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 22:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**2950**		100	17.5	mg/L			04/04/22 01:02	50
Ammonia	**9.4**		0.20	0.090	mg/L			03/31/22 10:36	10
Nitrate as N	ND		0.050	0.020	mg/L			03/30/22 17:53	1
Nitrite as N	ND		0.050	0.020	mg/L			03/30/22 17:53	1
Cyanide, Total	**0.022**		0.010	0.0050	mg/L		04/05/22 10:50	04/05/22 12:00	1
Alkalinity, Total	**879**		5.0	0.79	mg/L			04/07/22 17:56	1
Ferrous Iron	**0.32**	**HF**	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-C12_032922
Lab Sample ID: 480-196247-2

Date Collected: 03/29/22 13:15
Matrix: Water
Date Received: 03/30/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.6**		1.0	0.41	ug/L			03/31/22 06:15	1
Bromoform	ND		1.0	0.26	ug/L			03/31/22 06:15	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/31/22 06:15	1
Chloroform	ND		1.0	0.34	ug/L			03/31/22 06:15	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			03/31/22 06:15	1
Ethylbenzene	**13**		1.0	0.74	ug/L			03/31/22 06:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/31/22 06:15	1
o-Xylene	**0.89**	**J**	1.0	0.76	ug/L			03/31/22 06:15	1
Toluene	ND		1.0	0.51	ug/L			03/31/22 06:15	1
Total BTEX	**18**		2.0	1.0	ug/L			03/31/22 06:15	1
Xylenes, Total	**0.89**	**J**	2.0	0.66	ug/L			03/31/22 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*03/31/22 06:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*03/31/22 06:15*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*03/31/22 06:15*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/31/22 06:15*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**130**	**E**	0.50	0.30	ug/L		03/30/22 14:45	03/31/22 14:02	1
Acenaphthylene	ND		0.50	0.34	ug/L		03/30/22 14:45	03/31/22 14:02	1
Anthracene	ND		0.50	0.39	ug/L		03/30/22 14:45	03/31/22 14:02	1
Chrysene	ND		0.50	0.32	ug/L		03/30/22 14:45	03/31/22 14:02	1
Fluoranthene	ND		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 14:02	1
Fluorene	**19**		0.50	0.37	ug/L		03/30/22 14:45	03/31/22 14:02	1
Naphthalene	ND		0.50	0.42	ug/L		03/30/22 14:45	03/31/22 14:02	1
Phenanthrene	**1.4**		0.50	0.38	ug/L		03/30/22 14:45	03/31/22 14:02	1
Pyrene	ND		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 14:02	1

Client Sample ID: MW-C12_032922
Lab Sample ID: 480-196247-2

Date Collected: 03/29/22 13:15
Matrix: Water
Date Received: 03/30/22 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		48 - 120	03/30/22 14:45	03/31/22 14:02	1
Nitrobenzene-d5	84		46 - 120	03/30/22 14:45	03/31/22 14:02	1
p-Terphenyl-d14	65		24 - 136	03/30/22 14:45	03/31/22 14:02	1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**130**		5.0	3.0	ug/L		03/30/22 14:45	03/31/22 15:26	10
Acenaphthylene	ND		5.0	3.4	ug/L		03/30/22 14:45	03/31/22 15:26	10
Anthracene	ND		5.0	3.9	ug/L		03/30/22 14:45	03/31/22 15:26	10
Chrysene	ND		5.0	3.2	ug/L		03/30/22 14:45	03/31/22 15:26	10
Fluoranthene	ND		5.0	3.6	ug/L		03/30/22 14:45	03/31/22 15:26	10
Fluorene	**17**		5.0	3.7	ug/L		03/30/22 14:45	03/31/22 15:26	10
Naphthalene	ND		5.0	4.2	ug/L		03/30/22 14:45	03/31/22 15:26	10
Phenanthrene	ND		5.0	3.8	ug/L		03/30/22 14:45	03/31/22 15:26	10
Pyrene	ND		5.0	3.6	ug/L		03/30/22 14:45	03/31/22 15:26	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		48 - 120	03/30/22 14:45	03/31/22 15:26	10
Nitrobenzene-d5	76		46 - 120	03/30/22 14:45	03/31/22 15:26	10
p-Terphenyl-d14	64		24 - 136	03/30/22 14:45	03/31/22 15:26	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/01/22 10:29	04/02/22 17:35	1
Benzo[a]pyrene	ND	*1	0.050	0.022	ug/L		04/01/22 10:29	04/02/22 17:35	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/01/22 10:29	04/02/22 17:35	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/01/22 10:29	04/02/22 17:35	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/01/22 10:29	04/02/22 17:35	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/01/22 10:29	04/02/22 17:35	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/01/22 10:29	04/02/22 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	107		25 - 131	04/01/22 10:29	04/02/22 17:35	1
Nitrobenzene-d5	105		54 - 134	04/01/22 10:29	04/02/22 17:35	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**460**		44	11	ug/L			03/30/22 20:57	11

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.7**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 22:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**169**		10.0	1.7	mg/L			04/04/22 01:17	5
Ammonia	**1.3**		0.020	0.0090	mg/L			03/31/22 10:12	1
Nitrate as N	ND		0.050	0.020	mg/L			03/30/22 17:55	1
Nitrite as N	ND		0.050	0.020	mg/L			03/30/22 17:55	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/05/22 10:50	04/05/22 12:01	1
Alkalinity, Total	**455**		5.0	0.79	mg/L			04/07/22 18:20	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-C16_032922
Lab Sample ID: 480-196247-3
Date Collected: 03/29/22 14:20
Matrix: Water
Date Received: 03/30/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			03/31/22 06:36	2
Bromoform	ND		2.0	0.52	ug/L			03/31/22 06:36	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			03/31/22 06:36	2
Chloroform	ND		2.0	0.68	ug/L			03/31/22 06:36	2
Dichlorobromomethane	ND		2.0	0.78	ug/L			03/31/22 06:36	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/31/22 06:36	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			03/31/22 06:36	2
o-Xylene	ND		2.0	1.5	ug/L			03/31/22 06:36	2
Toluene	ND		2.0	1.0	ug/L			03/31/22 06:36	2
Total BTEX	ND		4.0	2.0	ug/L			03/31/22 06:36	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/31/22 06:36	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*03/31/22 06:36*	*2*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*03/31/22 06:36*	*2*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*03/31/22 06:36*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/22 06:36*	*2*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**14**		0.50	0.30	ug/L		03/30/22 14:45	03/31/22 14:30	1
Acenaphthylene	ND		0.50	0.34	ug/L		03/30/22 14:45	03/31/22 14:30	1
Anthracene	ND		0.50	0.39	ug/L		03/30/22 14:45	03/31/22 14:30	1
Chrysene	ND		0.50	0.32	ug/L		03/30/22 14:45	03/31/22 14:30	1
Fluoranthene	**0.58**		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 14:30	1
Fluorene	**2.5**		0.50	0.37	ug/L		03/30/22 14:45	03/31/22 14:30	1
Naphthalene	ND		0.50	0.42	ug/L		03/30/22 14:45	03/31/22 14:30	1
Phenanthrene	ND		0.50	0.38	ug/L		03/30/22 14:45	03/31/22 14:30	1
Pyrene	**0.65**		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*111*		*48 - 120*	*03/30/22 14:45*	*03/31/22 14:30*	*1*
Nitrobenzene-d5	*105*		*46 - 120*	*03/30/22 14:45*	*03/31/22 14:30*	*1*
p-Terphenyl-d14	*69*		*24 - 136*	*03/30/22 14:45*	*03/31/22 14:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.019**	**J**	0.050	0.016	ug/L		04/01/22 10:29	04/02/22 17:56	1
Benzo[a]pyrene	ND	*1	0.050	0.022	ug/L		04/01/22 10:29	04/02/22 17:56	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/01/22 10:29	04/02/22 17:56	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/01/22 10:29	04/02/22 17:56	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/01/22 10:29	04/02/22 17:56	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/01/22 10:29	04/02/22 17:56	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/01/22 10:29	04/02/22 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*109*		*25 - 131*	*04/01/22 10:29*	*04/02/22 17:56*	*1*
Nitrobenzene-d5	*110*		*54 - 134*	*04/01/22 10:29*	*04/02/22 17:56*	*1*

Client Sample ID: MW-C16_032922
Lab Sample ID: 480-196247-3

Date Collected: 03/29/22 14:20
Matrix: Water
Date Received: 03/30/22 08:00

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**6.1**		4.0	1.0	ug/L			03/31/22 18:00	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**19.2**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 22:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**918**		40.0	7.0	mg/L			04/04/22 01:31	20
Ammonia	**0.49**		0.020	0.0090	mg/L			03/31/22 10:14	1
Nitrate as N	**0.026**	**J**	0.050	0.020	mg/L			03/30/22 17:56	1
Nitrite as N	ND		0.050	0.020	mg/L			03/30/22 17:56	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/05/22 10:50	04/05/22 12:02	1
Alkalinity, Total	**600**		5.0	0.79	mg/L			04/07/22 18:27	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-C25S_032922
Lab Sample ID: 480-196247-4

Date Collected: 03/29/22 16:00
Matrix: Water
Date Received: 03/30/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			03/31/22 06:58	2
Bromoform	ND		2.0	0.52	ug/L			03/31/22 06:58	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			03/31/22 06:58	2
Chloroform	ND		2.0	0.68	ug/L			03/31/22 06:58	2
Dichlorobromomethane	ND		2.0	0.78	ug/L			03/31/22 06:58	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/31/22 06:58	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			03/31/22 06:58	2
o-Xylene	ND		2.0	1.5	ug/L			03/31/22 06:58	2
Toluene	ND		2.0	1.0	ug/L			03/31/22 06:58	2
Total BTEX	ND		4.0	2.0	ug/L			03/31/22 06:58	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/31/22 06:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*03/31/22 06:58*	*2*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*03/31/22 06:58*	*2*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*03/31/22 06:58*	*2*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/31/22 06:58*	*2*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		03/30/22 14:45	03/31/22 14:58	1
Acenaphthylene	ND		0.50	0.34	ug/L		03/30/22 14:45	03/31/22 14:58	1
Anthracene	ND		0.50	0.39	ug/L		03/30/22 14:45	03/31/22 14:58	1
Chrysene	ND		0.50	0.32	ug/L		03/30/22 14:45	03/31/22 14:58	1
Fluoranthene	ND		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 14:58	1
Fluorene	ND		0.50	0.37	ug/L		03/30/22 14:45	03/31/22 14:58	1
Naphthalene	ND		0.50	0.42	ug/L		03/30/22 14:45	03/31/22 14:58	1
Phenanthrene	ND		0.50	0.38	ug/L		03/30/22 14:45	03/31/22 14:58	1
Pyrene	ND		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 14:58	1

Client Sample ID: MW-C25S_032922
Lab Sample ID: 480-196247-4

Date Collected: 03/29/22 16:00
Matrix: Water
Date Received: 03/30/22 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*48 - 120*	*03/30/22 14:45*	*03/31/22 14:58*	*1*
Nitrobenzene-d5	*92*		*46 - 120*	*03/30/22 14:45*	*03/31/22 14:58*	*1*
p-Terphenyl-d14	*69*		*24 - 136*	*03/30/22 14:45*	*03/31/22 14:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/01/22 10:29	04/02/22 18:17	1
Benzo[a]pyrene	ND	*1	0.050	0.022	ug/L		04/01/22 10:29	04/02/22 18:17	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/01/22 10:29	04/02/22 18:17	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/01/22 10:29	04/02/22 18:17	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/01/22 10:29	04/02/22 18:17	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/01/22 10:29	04/02/22 18:17	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/01/22 10:29	04/02/22 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*112*		*25 - 131*	*04/01/22 10:29*	*04/02/22 18:17*	*1*
Nitrobenzene-d5	*105*		*54 - 134*	*04/01/22 10:29*	*04/02/22 18:17*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			03/31/22 18:18	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.24**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 22:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**187**		20.0	3.5	mg/L			04/04/22 01:45	10
Ammonia	ND		0.020	0.0090	mg/L			03/31/22 10:17	1
Nitrate as N	**0.035**	**J**	0.050	0.020	mg/L			03/30/22 17:58	1
Nitrite as N	**0.026**	**J**	0.050	0.020	mg/L			03/30/22 21:45	1
Cyanide, Total	**0.024**		0.010	0.0050	mg/L		04/05/22 10:50	04/05/22 12:07	1
Alkalinity, Total	**671**		5.0	0.79	mg/L			04/07/22 18:34	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Surrogate Summary

Client: Parsons Corporation
Job ID: 480-196247-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-196247-1	MW-C11_032922	116	87	115	94
480-196247-2	MW-C12_032922	112	93	108	93
480-196247-3	MW-C16_032922	113	84	111	94
480-196247-4	MW-C25S_032922	116	82	116	98
LCS 480-619744/6	Lab Control Sample	104	89	104	102
MB 480-619744/8	Method Blank	111	87	110	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(48-120)	(46-120)	(24-136)
480-196247-1	MW-C11_032922	95	88	66
480-196247-2 - DL	MW-C12_032922	86	76	64
480-196247-2	MW-C12_032922	91	84	65
480-196247-3	MW-C16_032922	111	105	69
480-196247-4	MW-C25S_032922	98	92	69
LCS 480-619751/2-A	Lab Control Sample	94	95	78
LCSD 480-619751/3-A	Lab Control Sample Dup	95	94	72
MB 480-619751/1-A	Method Blank	100	94	77

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		FBP	NBZ
Lab Sample ID	Client Sample ID	(25-131)	(54-134)
480-196247-1	MW-C11_032922	108	106
480-196247-2	MW-C12_032922	107	105
480-196247-3	MW-C16_032922	109	110
480-196247-4	MW-C25S_032922	112	105
LCS 460-836811/4-A	Lab Control Sample	100	103
LCSD 460-836811/5-A	Lab Control Sample Dup	97	103
MB 460-836811/1-A	Method Blank	85	97

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

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

Lab Sample ID: MB 480-619744/8
Matrix: Water
Analysis Batch: 619744

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			03/31/22 00:21	1
Bromoform	ND		1.0	0.26	ug/L			03/31/22 00:21	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/31/22 00:21	1
Chloroform	ND		1.0	0.34	ug/L			03/31/22 00:21	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			03/31/22 00:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/31/22 00:21	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/31/22 00:21	1
o-Xylene	ND		1.0	0.76	ug/L			03/31/22 00:21	1
Toluene	ND		1.0	0.51	ug/L			03/31/22 00:21	1
Total BTEX	ND		2.0	1.0	ug/L			03/31/22 00:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/31/22 00:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*03/31/22 00:21*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/31/22 00:21*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*03/31/22 00:21*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/31/22 00:21*	*1*

Lab Sample ID: LCS 480-619744/6
Matrix: Water
Analysis Batch: 619744

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	24.4		ug/L		98	71 - 124
Bromoform	25.0	24.5		ug/L		98	61 - 132
Chlorodibromomethane	25.0	26.3		ug/L		105	75 - 125
Chloroform	25.0	25.9		ug/L		104	73 - 127
Dichlorobromomethane	25.0	25.3		ug/L		101	80 - 122
Ethylbenzene	25.0	23.6		ug/L		95	77 - 123
m-Xylene & p-Xylene	25.0	23.7		ug/L		95	76 - 122
o-Xylene	25.0	25.1		ug/L		100	76 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 480-619751/1-A
Matrix: Water
Analysis Batch: 619870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 619751

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		03/30/22 14:45	03/31/22 12:11	1
Acenaphthylene	ND		0.50	0.34	ug/L		03/30/22 14:45	03/31/22 12:11	1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: MB 480-619751/1-A
Matrix: Water
Analysis Batch: 619870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 619751

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.50	0.39	ug/L		03/30/22 14:45	03/31/22 12:11	1
Chrysene	ND		0.50	0.32	ug/L		03/30/22 14:45	03/31/22 12:11	1
Fluoranthene	ND		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 12:11	1
Fluorene	ND		0.50	0.37	ug/L		03/30/22 14:45	03/31/22 12:11	1
Naphthalene	ND		0.50	0.42	ug/L		03/30/22 14:45	03/31/22 12:11	1
Phenanthrene	ND		0.50	0.38	ug/L		03/30/22 14:45	03/31/22 12:11	1
Pyrene	ND		0.50	0.36	ug/L		03/30/22 14:45	03/31/22 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*100*		*48 - 120*	*03/30/22 14:45*	*03/31/22 12:11*	*1*
Nitrobenzene-d5	*94*		*46 - 120*	*03/30/22 14:45*	*03/31/22 12:11*	*1*
p-Terphenyl-d14	*77*		*24 - 136*	*03/30/22 14:45*	*03/31/22 12:11*	*1*

Lab Sample ID: LCS 480-619751/2-A
Matrix: Water
Analysis Batch: 619870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 619751

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene			32.0	31.9		ug/L		100	60 - 120		
Acenaphthylene			32.0	30.1		ug/L		94	63 - 120		
Anthracene			32.0	33.7		ug/L		105	69 - 131		
Chrysene			32.0	28.3		ug/L		89	69 - 140		
Fluoranthene			32.0	34.6		ug/L		108	67 - 133		
Fluorene			32.0	32.9		ug/L		103	66 - 129		
Naphthalene			32.0	29.6		ug/L		92	48 - 120		
Phenanthrene			32.0	33.4		ug/L		104	67 - 130		
Pyrene			32.0	33.0		ug/L		103	58 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*94*		*48 - 120*
Nitrobenzene-d5	*95*		*46 - 120*
p-Terphenyl-d14	*78*		*24 - 136*

Lab Sample ID: LCSD 480-619751/3-A
Matrix: Water
Analysis Batch: 619870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 619751

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			32.0	31.7		ug/L		99	60 - 120	1	24
Acenaphthylene			32.0	31.1		ug/L		97	63 - 120	3	18
Anthracene			32.0	34.0		ug/L		106	69 - 131	1	15
Chrysene			32.0	26.5		ug/L		83	69 - 140	7	15
Fluoranthene			32.0	33.1		ug/L		103	67 - 133	5	15
Fluorene			32.0	33.2		ug/L		104	66 - 129	1	15
Naphthalene			32.0	30.0		ug/L		94	48 - 120	1	29
Phenanthrene			32.0	33.0		ug/L		103	67 - 130	1	15
Pyrene			32.0	31.1		ug/L		97	58 - 136	6	25

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCSD 480-619751/3-A
Matrix: Water
Analysis Batch: 619870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 619751

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	95		48 - 120
Nitrobenzene-d5	94		46 - 120
p-Terphenyl-d14	72		24 - 136

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

Lab Sample ID: MB 460-836811/1-A
Matrix: Water
Analysis Batch: 836997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 836811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/01/22 10:29	04/02/22 16:11	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/01/22 10:29	04/02/22 16:11	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/01/22 10:29	04/02/22 16:11	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/01/22 10:29	04/02/22 16:11	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/01/22 10:29	04/02/22 16:11	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/01/22 10:29	04/02/22 16:11	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/01/22 10:29	04/02/22 16:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		25 - 131	04/01/22 10:29	04/02/22 16:11	1
Nitrobenzene-d5	97		54 - 134	04/01/22 10:29	04/02/22 16:11	1

Lab Sample ID: LCS 460-836811/4-A
Matrix: Water
Analysis Batch: 836997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 836811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	2.00	1.73		ug/L		87	52 - 143
Benzo[a]pyrene	2.00	1.97		ug/L		98	43 - 150
Benzo[b]fluoranthene	2.00	1.88		ug/L		94	46 - 150
Benzo[g,h,i]perylene	2.00	1.60		ug/L		80	51 - 150
Benzo[k]fluoranthene	2.00	1.72		ug/L		86	44 - 150
Dibenz(a,h)anthracene	2.00	1.64		ug/L		82	48 - 150
Indeno[1,2,3-cd]pyrene	2.00	1.45		ug/L		73	44 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	100		25 - 131
Nitrobenzene-d5	103		54 - 134

Lab Sample ID: LCSD 460-836811/5-A
Matrix: Water
Analysis Batch: 836997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 836811

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene	2.00	1.56		ug/L		78	52 - 143	10	30
Benzo[a]pyrene	2.00	1.34	*1	ug/L		67	43 - 150	38	30
Benzo[b]fluoranthene	2.00	1.80		ug/L		90	46 - 150	4	30

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

Lab Sample ID: LCSD 460-836811/5-A
Matrix: Water
Analysis Batch: 836997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 836811

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[g,h,i]perylene			2.00	1.39		ug/L		70	51 - 150	14	30
Benzo[k]fluoranthene			2.00	1.57		ug/L		79	44 - 150	9	30
Dibenz(a,h)anthracene			2.00	1.50		ug/L		75	48 - 150	9	30
Indeno[1,2,3-cd]pyrene			2.00	1.34		ug/L		67	44 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*97*		*25 - 131*
Nitrobenzene-d5	*103*		*54 - 134*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-619765/3
Matrix: Water
Analysis Batch: 619765

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			03/30/22 15:20	1

Lab Sample ID: LCS 480-619765/4
Matrix: Water
Analysis Batch: 619765

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane			19.4	19.7		ug/L		102	85 - 120		

Lab Sample ID: MB 480-619920/3
Matrix: Water
Analysis Batch: 619920

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			03/31/22 14:39	1

Lab Sample ID: LCS 480-619920/4
Matrix: Water
Analysis Batch: 619920

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane			19.4	19.5		ug/L		100	85 - 120		

Lab Sample ID: LCSD 480-619920/5
Matrix: Water
Analysis Batch: 619920

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane			19.4	20.6		ug/L		106	85 - 120	6	50

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-619955/1-A
Matrix: Water
Analysis Batch: 620284
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 619955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 20:58	1

Lab Sample ID: LCS 480-619955/2-A
Matrix: Water
Analysis Batch: 620284
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 619955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	11.31		mg/L		113	80 - 120

Lab Sample ID: LCSD 480-619955/3-A
Matrix: Water
Analysis Batch: 620284
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 619955

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	10.0	10.83		mg/L		108	80 - 120	4	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-620219/28
Matrix: Water
Analysis Batch: 620219
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			04/03/22 22:13	1

Lab Sample ID: LCS 480-620219/29
Matrix: Water
Analysis Batch: 620219
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.0	51.44		mg/L		103	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-619880/51
Matrix: Water
Analysis Batch: 619880
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			03/31/22 09:37	1

Lab Sample ID: MB 480-619880/75
Matrix: Water
Analysis Batch: 619880
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			03/31/22 10:04	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 480-619880/99
Matrix: Water
Analysis Batch: 619880

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			03/31/22 10:30	1

Lab Sample ID: LCS 480-619880/100
Matrix: Water
Analysis Batch: 619880

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	1.01		mg/L		101	90 - 110

Lab Sample ID: LCS 480-619880/52
Matrix: Water
Analysis Batch: 619880

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.999		mg/L		100	90 - 110

Lab Sample ID: LCS 480-619880/76
Matrix: Water
Analysis Batch: 619880

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	1.00		mg/L		100	90 - 110

Lab Sample ID: 480-196247-4 MS
Matrix: Water
Analysis Batch: 619880

Client Sample ID: MW-C25S_032922
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	ND		0.200	0.190		mg/L		95	90 - 110

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-619806/27
Matrix: Water
Analysis Batch: 619806

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			03/30/22 21:04	1

Lab Sample ID: LCS 480-619806/28
Matrix: Water
Analysis Batch: 619806

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.50	1.60		mg/L		107	90 - 110

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-620481/1-A
Matrix: Water
Analysis Batch: 620495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		04/05/22 10:50	04/05/22 11:32	1

Lab Sample ID: LCS 480-620481/2-A
Matrix: Water
Analysis Batch: 620495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.423		mg/L		106	90 - 110

Lab Sample ID: LCS 480-620481/3-A
Matrix: Water
Analysis Batch: 620495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.256		mg/L		102	90 - 110

Lab Sample ID: 480-196247-4 MS
Matrix: Water
Analysis Batch: 620495

Client Sample ID: MW-C25S_032922
Prep Type: Total/NA
Prep Batch: 620481

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.024		0.100	0.132		mg/L		108	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 480-620902/30
Matrix: Water
Analysis Batch: 620902

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			04/07/22 17:09	1

Lab Sample ID: MB 480-620902/7
Matrix: Water
Analysis Batch: 620902

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			04/07/22 15:11	1

Lab Sample ID: LCS 480-620902/31
Matrix: Water
Analysis Batch: 620902

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	100	90.65		mg/L		91	90 - 110

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 480-620902/8
Matrix: Water
Analysis Batch: 620902

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	100	90.25		mg/L		90	90 - 110

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 480-620195/29
Matrix: Water
Analysis Batch: 620195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.10	0.075	mg/L			04/02/22 18:30	1

Lab Sample ID: MB 480-620195/3
Matrix: Water
Analysis Batch: 620195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.10	0.075	mg/L			04/02/22 18:30	1

Lab Sample ID: LCS 480-620195/30
Matrix: Water
Analysis Batch: 620195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	2.00	1.99		mg/L		100	90 - 110

Lab Sample ID: LCS 480-620195/4
Matrix: Water
Analysis Batch: 620195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	2.00	2.00		mg/L		100	90 - 110

Lab Sample ID: 480-196247-2 MS
Matrix: Water
Analysis Batch: 620195

Client Sample ID: MW-C12_032922
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	ND	HF	1.00	1.04		mg/L		104	70 - 130

Lab Sample ID: 480-196247-1 DU
Matrix: Water
Analysis Batch: 620195

Client Sample ID: MW-C11_032922
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ferrous Iron	0.32	HF	0.312		mg/L		2	20

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: 480-196247-2 DU
Client Sample ID: MW-C12_032922
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196247-3 DU
Client Sample ID: MW-C16_032922
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196247-4 DU
Client Sample ID: MW-C25S_032922
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

GC/MS VOA

Analysis Batch: 619744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	8260C	
480-196247-2	MW-C12_032922	Total/NA	Water	8260C	
480-196247-3	MW-C16_032922	Total/NA	Water	8260C	
480-196247-4	MW-C25S_032922	Total/NA	Water	8260C	
MB 480-619744/8	Method Blank	Total/NA	Water	8260C	
LCS 480-619744/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 619751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	3510C	
480-196247-2	MW-C12_032922	Total/NA	Water	3510C	
480-196247-2 - DL	MW-C12_032922	Total/NA	Water	3510C	
480-196247-3	MW-C16_032922	Total/NA	Water	3510C	
480-196247-4	MW-C25S_032922	Total/NA	Water	3510C	
MB 480-619751/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-619751/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-619751/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 619870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	8270D_LL_PAH	619751
480-196247-2	MW-C12_032922	Total/NA	Water	8270D_LL_PAH	619751
480-196247-2 - DL	MW-C12_032922	Total/NA	Water	8270D_LL_PAH	619751
480-196247-3	MW-C16_032922	Total/NA	Water	8270D_LL_PAH	619751
480-196247-4	MW-C25S_032922	Total/NA	Water	8270D_LL_PAH	619751
MB 480-619751/1-A	Method Blank	Total/NA	Water	8270D_LL_PAH	619751
LCS 480-619751/2-A	Lab Control Sample	Total/NA	Water	8270D_LL_PAH	619751
LCSD 480-619751/3-A	Lab Control Sample Dup	Total/NA	Water	8270D_LL_PAH	619751

Prep Batch: 836811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	3510C	
480-196247-2	MW-C12_032922	Total/NA	Water	3510C	
480-196247-3	MW-C16_032922	Total/NA	Water	3510C	
480-196247-4	MW-C25S_032922	Total/NA	Water	3510C	
MB 460-836811/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-836811/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-836811/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 836997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	8270E SIM	836811
480-196247-2	MW-C12_032922	Total/NA	Water	8270E SIM	836811
480-196247-3	MW-C16_032922	Total/NA	Water	8270E SIM	836811
480-196247-4	MW-C25S_032922	Total/NA	Water	8270E SIM	836811
MB 460-836811/1-A	Method Blank	Total/NA	Water	8270E SIM	836811
LCS 460-836811/4-A	Lab Control Sample	Total/NA	Water	8270E SIM	836811
LCSD 460-836811/5-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	836811

QC Association Summary

Client: Parsons Corporation
Job ID: 480-196247-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

GC VOA

Analysis Batch: 619765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	RSK-175	
480-196247-2	MW-C12_032922	Total/NA	Water	RSK-175	
MB 480-619765/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-619765/4	Lab Control Sample	Total/NA	Water	RSK-175	

Analysis Batch: 619920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-3	MW-C16_032922	Total/NA	Water	RSK-175	
480-196247-4	MW-C25S_032922	Total/NA	Water	RSK-175	
MB 480-619920/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-619920/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-619920/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Metals

Prep Batch: 619955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	3005A	
480-196247-2	MW-C12_032922	Total/NA	Water	3005A	
480-196247-3	MW-C16_032922	Total/NA	Water	3005A	
480-196247-4	MW-C25S_032922	Total/NA	Water	3005A	
MB 480-619955/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-619955/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-619955/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Analysis Batch: 620284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	6010C	619955
480-196247-2	MW-C12_032922	Total/NA	Water	6010C	619955
480-196247-3	MW-C16_032922	Total/NA	Water	6010C	619955
480-196247-4	MW-C25S_032922	Total/NA	Water	6010C	619955
MB 480-619955/1-A	Method Blank	Total/NA	Water	6010C	619955
LCS 480-619955/2-A	Lab Control Sample	Total/NA	Water	6010C	619955
LCSD 480-619955/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	619955

General Chemistry

Analysis Batch: 619802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	353.2	
480-196247-2	MW-C12_032922	Total/NA	Water	353.2	
480-196247-3	MW-C16_032922	Total/NA	Water	353.2	
480-196247-4	MW-C25S_032922	Total/NA	Water	353.2	

Analysis Batch: 619803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	353.2	
480-196247-2	MW-C12_032922	Total/NA	Water	353.2	
480-196247-3	MW-C16_032922	Total/NA	Water	353.2	

General Chemistry

Analysis Batch: 619806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-4	MW-C25S_032922	Total/NA	Water	353.2	
MB 480-619806/27	Method Blank	Total/NA	Water	353.2	
LCS 480-619806/28	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 619880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	350.1	
480-196247-2	MW-C12_032922	Total/NA	Water	350.1	
480-196247-3	MW-C16_032922	Total/NA	Water	350.1	
480-196247-4	MW-C25S_032922	Total/NA	Water	350.1	
MB 480-619880/51	Method Blank	Total/NA	Water	350.1	
MB 480-619880/75	Method Blank	Total/NA	Water	350.1	
MB 480-619880/99	Method Blank	Total/NA	Water	350.1	
LCS 480-619880/100	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-619880/52	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-619880/76	Lab Control Sample	Total/NA	Water	350.1	
480-196247-4 MS	MW-C25S_032922	Total/NA	Water	350.1	

Analysis Batch: 620195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	SM 3500 FE D	
480-196247-2	MW-C12_032922	Total/NA	Water	SM 3500 FE D	
480-196247-3	MW-C16_032922	Total/NA	Water	SM 3500 FE D	
480-196247-4	MW-C25S_032922	Total/NA	Water	SM 3500 FE D	
MB 480-620195/29	Method Blank	Total/NA	Water	SM 3500 FE D	
MB 480-620195/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 480-620195/30	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCS 480-620195/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
480-196247-2 MS	MW-C12_032922	Total/NA	Water	SM 3500 FE D	
480-196247-1 DU	MW-C11_032922	Total/NA	Water	SM 3500 FE D	
480-196247-2 DU	MW-C12_032922	Total/NA	Water	SM 3500 FE D	
480-196247-3 DU	MW-C16_032922	Total/NA	Water	SM 3500 FE D	
480-196247-4 DU	MW-C25S_032922	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 620219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	300.0	
480-196247-2	MW-C12_032922	Total/NA	Water	300.0	
480-196247-3	MW-C16_032922	Total/NA	Water	300.0	
480-196247-4	MW-C25S_032922	Total/NA	Water	300.0	
MB 480-620219/28	Method Blank	Total/NA	Water	300.0	
LCS 480-620219/29	Lab Control Sample	Total/NA	Water	300.0	

Prep Batch: 620481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	9012B	
480-196247-2	MW-C12_032922	Total/NA	Water	9012B	
480-196247-3	MW-C16_032922	Total/NA	Water	9012B	
480-196247-4	MW-C25S_032922	Total/NA	Water	9012B	
MB 480-620481/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-620481/2-A	Lab Control Sample	Total/NA	Water	9012B	

General Chemistry (Continued)

Prep Batch: 620481 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-620481/3-A	Lab Control Sample	Total/NA	Water	9012B	
480-196247-4 MS	MW-C25S_032922	Total/NA	Water	9012B	

Analysis Batch: 620495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	9012B	620481
480-196247-2	MW-C12_032922	Total/NA	Water	9012B	620481
480-196247-3	MW-C16_032922	Total/NA	Water	9012B	620481
480-196247-4	MW-C25S_032922	Total/NA	Water	9012B	620481
MB 480-620481/1-A	Method Blank	Total/NA	Water	9012B	620481
LCS 480-620481/2-A	Lab Control Sample	Total/NA	Water	9012B	620481
LCS 480-620481/3-A	Lab Control Sample	Total/NA	Water	9012B	620481
480-196247-4 MS	MW-C25S_032922	Total/NA	Water	9012B	620481

Analysis Batch: 620902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196247-1	MW-C11_032922	Total/NA	Water	SM 2320B	
480-196247-2	MW-C12_032922	Total/NA	Water	SM 2320B	
480-196247-3	MW-C16_032922	Total/NA	Water	SM 2320B	
480-196247-4	MW-C25S_032922	Total/NA	Water	SM 2320B	
MB 480-620902/30	Method Blank	Total/NA	Water	SM 2320B	
MB 480-620902/7	Method Blank	Total/NA	Water	SM 2320B	
LCS 480-620902/31	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 480-620902/8	Lab Control Sample	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196247-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-C11_032922
Lab Sample ID: 480-196247-1
Date Collected: 03/29/22 11:50
Matrix: Water
Date Received: 03/30/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	619744	03/31/22 05:53	AXK	TAL BUF
Total/NA	Prep	3510C			619751	03/30/22 14:45	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	619870	03/31/22 13:35	PJQ	TAL BUF
Total/NA	Prep	3510C			836811	04/01/22 10:29	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	836997	04/02/22 17:14	YAH	TAL EDI
Total/NA	Analysis	RSK-175		22	619765	03/30/22 20:39	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 22:08	LMH	TAL BUF
Total/NA	Analysis	300.0		50	620219	04/04/22 01:02	IMZ	TAL BUF
Total/NA	Analysis	350.1		10	619880	03/31/22 10:36	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619802	03/30/22 17:53	CSS	TAL BUF
Total/NA	Analysis	353.2		1	619803	03/30/22 17:53	CSS	TAL BUF
Total/NA	Prep	9012B			620481	04/05/22 10:50	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620495	04/05/22 12:00	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 17:56	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: MW-C12_032922
Lab Sample ID: 480-196247-2
Date Collected: 03/29/22 13:15
Matrix: Water
Date Received: 03/30/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	619744	03/31/22 06:15	AXK	TAL BUF
Total/NA	Prep	3510C			619751	03/30/22 14:45	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	619870	03/31/22 14:02	PJQ	TAL BUF
Total/NA	Prep	3510C	DL		619751	03/30/22 14:45	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH	DL	10	619870	03/31/22 15:26	PJQ	TAL BUF
Total/NA	Prep	3510C			836811	04/01/22 10:29	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	836997	04/02/22 17:35	YAH	TAL EDI
Total/NA	Analysis	RSK-175		11	619765	03/30/22 20:57	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 22:12	LMH	TAL BUF
Total/NA	Analysis	300.0		5	620219	04/04/22 01:17	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	619880	03/31/22 10:12	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619802	03/30/22 17:55	CSS	TAL BUF
Total/NA	Analysis	353.2		1	619803	03/30/22 17:55	CSS	TAL BUF
Total/NA	Prep	9012B			620481	04/05/22 10:50	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620495	04/05/22 12:01	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 18:20	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196247-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-C16_032922
Lab Sample ID: 480-196247-3
Date Collected: 03/29/22 14:20
Matrix: Water
Date Received: 03/30/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	619744	03/31/22 06:36	AXK	TAL BUF
Total/NA	Prep	3510C			619751	03/30/22 14:45	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	619870	03/31/22 14:30	PJQ	TAL BUF
Total/NA	Prep	3510C			836811	04/01/22 10:29	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	836997	04/02/22 17:56	YAH	TAL EDI
Total/NA	Analysis	RSK-175		1	619920	03/31/22 18:00	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 22:16	LMH	TAL BUF
Total/NA	Analysis	300.0		20	620219	04/04/22 01:31	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	619880	03/31/22 10:14	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619802	03/30/22 17:56	CSS	TAL BUF
Total/NA	Analysis	353.2		1	619803	03/30/22 17:56	CSS	TAL BUF
Total/NA	Prep	9012B			620481	04/05/22 10:50	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620495	04/05/22 12:02	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 18:27	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: MW-C25S_032922
Lab Sample ID: 480-196247-4
Date Collected: 03/29/22 16:00
Matrix: Water
Date Received: 03/30/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	619744	03/31/22 06:58	AXK	TAL BUF
Total/NA	Prep	3510C			619751	03/30/22 14:45	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	619870	03/31/22 14:58	PJQ	TAL BUF
Total/NA	Prep	3510C			836811	04/01/22 10:29	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	836997	04/02/22 18:17	YAH	TAL EDI
Total/NA	Analysis	RSK-175		1	619920	03/31/22 18:18	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 22:19	LMH	TAL BUF
Total/NA	Analysis	300.0		10	620219	04/04/22 01:45	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	619880	03/31/22 10:17	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619802	03/30/22 17:58	CSS	TAL BUF
Total/NA	Analysis	353.2		1	619806	03/30/22 21:45	CSS	TAL BUF
Total/NA	Prep	9012B			620481	04/05/22 10:50	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620495	04/05/22 12:07	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 18:34	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-196247-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Laboratory: Eurofins 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	03-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX
SM 3500 FE D		Water	Ferrous Iron

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-01-23
Georgia	State	12028 (NJ)	06-30-22
Massachusetts	State	M-NJ312	06-30-22
New Jersey	NELAP	12028	06-30-22
New York	NELAP	11452	04-01-23
Pennsylvania	NELAP	68-00522	02-28-23
Rhode Island	State	LAO00376	12-31-22
USDA	US Federal Programs	P330-20-00244	11-03-23

Method Summary

Client: Parsons Corporation
Job ID: 480-196247-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D_LL_PAH	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL EDI
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
SM 2320B	Alkalinity	SM	TAL BUF
SM 3500 FE D	Iron, Ferrous and Ferric	SM	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

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 Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Parsons Corporation
Job ID: 480-196247-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-196247-1	MW-C11_032922	Water	03/29/22 11:50	03/30/22 08:00
480-196247-2	MW-C12_032922	Water	03/29/22 13:15	03/30/22 08:00
480-196247-3	MW-C16_032922	Water	03/29/22 14:20	03/30/22 08:00
480-196247-4	MW-C25S_032922	Water	03/29/22 16:00	03/30/22 08:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information			
Client Contact: Stephen Liberatore	Sampler: LT/RI	Lab PM: Schove, John R	Carrier Tracking No(s):
	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin:
Company: Parsons Corporation	PWSID:		COC No: 480-172143-37248.2
			Page: Page 2 of 3
			Job #:
Address: 301 Plainfield Road Suite 350	Due Date Requested:		
City: Syracuse	TAT Requested (days):		
State, Zip: NY, 13212	Compliance Project: Δ Yes Δ No		
Phone: 315-418-8767(Tel)	PO #: ~~4529624.01000~~ 452964.01000		
Email: stephen.liberatore@parsons.com	WO #:		
Project Name: NYSEG - Ithaca Court St. - GW Sampling	Project #: 48025007		
Site:	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM - PAH LL SIM SVOCs	8270D_LL_PAH - PAH LL SVOCs	300.0_28D - Sulfate	350.1 - Nitrogen, Ammonia	6010C - Metals (ICP) - Iron	RSK_175 - Methane	8260C - BTEX and THMs	9012B - Cyanide, Total	2320B - Alkalinity	3500_FE_D - Iron, Ferrous	353.2, 353.2_Nitrite, Nitrate_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	S	D	A	A	B	N	N	N		
MW-C11_032922	3/29/22	1150	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X		
MW-C12-032922	3/29/22	1315	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X		
MW-C16-032922	3/29/22	1420	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X		
MW-25S-032922	3/29/22	1600	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X		

RE 3-29-22

480-196247 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA

M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (*A fee may be assessed if samples are retained longer than 1 month)*

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Richard Ruckling	3/29/22 - 1830	Parsons	R. Fuglik	3-29-22, 1830	Syr
R. Fuglik	3-29-22, 1900	Syr	[illegible signature]	3/30/22 1000	TA
				800	

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

Cooler Temperature(s) °C and Other Remarks: 1.6 214 # 1 ICE

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-70845.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note): NELAP - New York		Job #: 480-196247-1
Address: 777 New Durham Road, ,	Due Date Requested: 4/12/2022			
City: Edison	TAT Requested (days):			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			
Email:	WO #:			
Project Name: NYSEG - Ithaca Court St. - GW Sampling	Project #: 48025007			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVI PAH LL SIM SVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-C11-032922 (480-196247-1)	3/29/22	11:50 Eastern		Water			X	2	
MW-C12-032922 (480-196247-2)	3/29/22	13:15 Eastern		Water			X	2	
MW-C16-032922 (480-196247-3)	3/29/22	14:20 Eastern		Water			X	2	
MW-C25S-032922 (480-196247-4)	3/29/22	16:00 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC 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 analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Yem	3-30-22 1700	TAD	Fedex	8/31/22 0900	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 178453	Cooler Temperature(s) °C and Other Remarks: 2.9°C / 3.1°C

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-196247-1

Login Number: 196247
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins Buffalo

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	1.6 2.4 #1 ICE
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.	True	

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-196247-1

Login Number: 196247
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 03/31/22 11:48 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	178453
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-196271-1
Client Project/Site: NYSEG - Ithaca Court St. - GW Sampling

For:
Parsons Corporation
301 Plainfield Road
Suite 350
Syracuse, New York 13212

Attn: Stephen Liberatore

Authorized for release by:
4/19/2022 10:57:01 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-196271-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-196271-1

Comments
No additional comments.

Receipt
The samples were received on 3/31/2022 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4º C and 2.8º C.

Receipt Exceptions

One container for the following samples were received broken or leaking: MW-24S_033022 (480-196271-1).

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-46S_033022 (480-196271-7). 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_LL_PAH: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-46S_033022 (480-196271-7). Elevated reporting limits (RLs) are provided.

Method 8270D_LL_PAH: The following sample required a dilution due to the abundance of target analytes: MW-46S_033022 (480-196271-7). 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.

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

HPLC/IC
Method 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-24S_033022 (480-196271-1), MW-13S_033022 (480-196271-3), MW-33S_033022 (480-196271-5), MW-45S_033022 (480-196271-6) and MW-46S_033022 (480-196271-7). 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 VOA
Method RSK-175: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-46S_033022 (480-196271-7). 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.

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

General Chemistry
Method SM 3500 FE D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: MW-24S_033022 (480-196271-1), MW-13S_033022 (480-196271-3), MW-40_033022 (480-196271-4), MW-33S_033022 (480-196271-5), MW-45S_033022 (480-196271-6) and MW-46S_033022 (480-196271-7).

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

Organic Prep

Job ID: 480-196271-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

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

Detection Summary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-24S_033022 — Lab Sample ID: 480-196271-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	89		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.40		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	25.4		10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	0.048	B	0.020	0.0090	mg/L	1		350.1	Total/NA
Alkalinity, Total	275		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: TB_033022 — Lab Sample ID: 480-196271-2

No Detections.

Client Sample ID: MW-13S_033022 — Lab Sample ID: 480-196271-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	7.7		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.30		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	34.1		20.0	3.5	mg/L	10		300.0	Total/NA
Nitrate as N	2.7		0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	401		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-40_033022 — Lab Sample ID: 480-196271-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.024	J	0.050	0.016	ug/L	1		8270E SIM	Total/NA
Dibenz(a,h)anthracene	0.025	J	0.050	0.020	ug/L	1		8270E SIM	Total/NA
Methane	63		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.76		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	11.2		2.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	0.32	B	0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	0.49		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.042	J	0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	141		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-33S_033022 — Lab Sample ID: 480-196271-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	74		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	2.1		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	29.0		10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	0.92	B	0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	0.58		0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	370		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-45S_033022 — Lab Sample ID: 480-196271-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	160		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	2.6		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	7.0	J	10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	0.41	B	0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	0.069		0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	388		5.0	0.79	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-46S_033022
Lab Sample ID: 480-196271-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1400		20	8.2	ug/L	20		8260C	Total/NA
Ethylbenzene	1300		20	15	ug/L	20		8260C	Total/NA
m-Xylene & p-Xylene	270		40	13	ug/L	20		8260C	Total/NA
o-Xylene	390		20	15	ug/L	20		8260C	Total/NA
Toluene	37		20	10	ug/L	20		8260C	Total/NA
Total BTEX	3400		40	20	ug/L	20		8260C	Total/NA
Xylenes, Total	660		40	13	ug/L	20		8260C	Total/NA
Acenaphthene	72	E	0.50	0.30	ug/L	1		8270D_LL_PAH	Total/NA
Acenaphthylene	3.3		0.50	0.34	ug/L	1		8270D_LL_PAH	Total/NA
Anthracene	3.1		0.50	0.39	ug/L	1		8270D_LL_PAH	Total/NA
Chrysene	0.52		0.50	0.32	ug/L	1		8270D_LL_PAH	Total/NA
Fluoranthene	2.3		0.50	0.36	ug/L	1		8270D_LL_PAH	Total/NA
Fluorene	17		0.50	0.37	ug/L	1		8270D_LL_PAH	Total/NA
Naphthalene	570	E	0.50	0.42	ug/L	1		8270D_LL_PAH	Total/NA
Phenanthrene	12		0.50	0.38	ug/L	1		8270D_LL_PAH	Total/NA
Pyrene	3.6		0.50	0.36	ug/L	1		8270D_LL_PAH	Total/NA
Acenaphthene - DL	72		25	15	ug/L	50		8270D_LL_PAH	Total/NA
Naphthalene - DL	2300		25	21	ug/L	50		8270D_LL_PAH	Total/NA
Benzo[a]anthracene	2.2		0.050	0.016	ug/L	1		8270E SIM	Total/NA
Benzo[a]pyrene	2.2		0.050	0.022	ug/L	1		8270E SIM	Total/NA
Benzo[b]fluoranthene	1.4		0.050	0.024	ug/L	1		8270E SIM	Total/NA
Benzo[g,h,i]perylene	0.81		0.050	0.035	ug/L	1		8270E SIM	Total/NA
Benzo[k]fluoranthene	0.60		0.050	0.028	ug/L	1		8270E SIM	Total/NA
Dibenz(a,h)anthracene	0.28		0.050	0.020	ug/L	1		8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.78		0.050	0.036	ug/L	1		8270E SIM	Total/NA
Methane	14000		180	44	ug/L	44		RSK-175	Total/NA
Iron	13.2		0.050	0.019	mg/L	1		6010C	Total/NA
Ammonia	3.6	B	0.040	0.018	mg/L	2		350.1	Total/NA
Alkalinity, Total	317		5.0	0.79	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-24S_033022
Lab Sample ID: 480-196271-1
Date Collected: 03/30/22 09:55
Matrix: Water
Date Received: 03/31/22 08:00

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			04/04/22 14:59	1
Bromoform	ND		1.0	0.26	ug/L			04/04/22 14:59	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/04/22 14:59	1
Chloroform	ND		1.0	0.34	ug/L			04/04/22 14:59	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/04/22 14:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/04/22 14:59	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/04/22 14:59	1
o-Xylene	ND		1.0	0.76	ug/L			04/04/22 14:59	1
Toluene	ND		1.0	0.51	ug/L			04/04/22 14:59	1
Total BTEX	ND		2.0	1.0	ug/L			04/04/22 14:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/04/22 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/04/22 14:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/04/22 14:59*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*04/04/22 14:59*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/04/22 14:59*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 18:33	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 18:33	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 18:33	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 18:33	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 18:33	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 18:33	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 18:33	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 18:33	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*106*		*48 - 120*	*04/04/22 15:00*	*04/05/22 18:33*	*1*
Nitrobenzene-d5	*94*		*46 - 120*	*04/04/22 15:00*	*04/05/22 18:33*	*1*
p-Terphenyl-d14	*74*		*24 - 136*	*04/04/22 15:00*	*04/05/22 18:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/05/22 10:14	04/05/22 21:03	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/05/22 10:14	04/05/22 21:03	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/05/22 10:14	04/05/22 21:03	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/05/22 10:14	04/05/22 21:03	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/05/22 10:14	04/05/22 21:03	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/05/22 10:14	04/05/22 21:03	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/05/22 10:14	04/05/22 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*25 - 131*	*04/05/22 10:14*	*04/05/22 21:03*	*1*
Nitrobenzene-d5	*85*		*54 - 134*	*04/05/22 10:14*	*04/05/22 21:03*	*1*

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-24S_033022
Lab Sample ID: 480-196271-1
Date Collected: 03/30/22 09:55
Matrix: Water
Date Received: 03/31/22 08:00

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**89**		4.0	1.0	ug/L			03/31/22 16:06	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.40**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 21:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**25.4**		10.0	1.7	mg/L			04/04/22 22:55	5
Ammonia	**0.048**	**B**	0.020	0.0090	mg/L			04/01/22 08:16	1
Nitrate as N	ND		0.050	0.020	mg/L			03/31/22 13:58	1
Nitrite as N	ND		0.050	0.020	mg/L			03/31/22 13:58	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/07/22 10:30	04/07/22 13:40	1
Alkalinity, Total	**275**		5.0	0.79	mg/L			04/07/22 18:38	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: TB_033022
Lab Sample ID: 480-196271-2
Date Collected: 03/30/22 09:50
Matrix: Water
Date Received: 03/31/22 08:00

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			04/04/22 15:22	1
Bromoform	ND		1.0	0.26	ug/L			04/04/22 15:22	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/04/22 15:22	1
Chloroform	ND		1.0	0.34	ug/L			04/04/22 15:22	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/04/22 15:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/04/22 15:22	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/04/22 15:22	1
o-Xylene	ND		1.0	0.76	ug/L			04/04/22 15:22	1
Toluene	ND		1.0	0.51	ug/L			04/04/22 15:22	1
Total BTEX	ND		2.0	1.0	ug/L			04/04/22 15:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/04/22 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/04/22 15:22*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*04/04/22 15:22*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*04/04/22 15:22*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/04/22 15:22*	*1*

Client Sample ID: MW-13S_033022
Lab Sample ID: 480-196271-3
Date Collected: 03/30/22 10:45
Matrix: Water
Date Received: 03/31/22 08:00

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			04/04/22 15:44	1
Bromoform	ND		1.0	0.26	ug/L			04/04/22 15:44	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/04/22 15:44	1
Chloroform	ND		1.0	0.34	ug/L			04/04/22 15:44	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/04/22 15:44	1

Client Sample ID: MW-13S_033022
Lab Sample ID: 480-196271-3

Date Collected: 03/30/22 10:45
Matrix: Water
Date Received: 03/31/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			04/04/22 15:44	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/04/22 15:44	1
o-Xylene	ND		1.0	0.76	ug/L			04/04/22 15:44	1
Toluene	ND		1.0	0.51	ug/L			04/04/22 15:44	1
Total BTEX	ND		2.0	1.0	ug/L			04/04/22 15:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/04/22 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/04/22 15:44*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/04/22 15:44*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*04/04/22 15:44*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/04/22 15:44*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 18:05	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 18:05	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 18:05	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 18:05	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 18:05	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 18:05	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 18:05	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 18:05	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*107*		*48 - 120*	*04/04/22 15:00*	*04/05/22 18:05*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*04/04/22 15:00*	*04/05/22 18:05*	*1*
p-Terphenyl-d14	*74*		*24 - 136*	*04/04/22 15:00*	*04/05/22 18:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/05/22 10:14	04/05/22 21:24	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/05/22 10:14	04/05/22 21:24	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/05/22 10:14	04/05/22 21:24	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/05/22 10:14	04/05/22 21:24	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/05/22 10:14	04/05/22 21:24	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/05/22 10:14	04/05/22 21:24	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/05/22 10:14	04/05/22 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*25 - 131*	*04/05/22 10:14*	*04/05/22 21:24*	*1*
Nitrobenzene-d5	*80*		*54 - 134*	*04/05/22 10:14*	*04/05/22 21:24*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**7.7**		4.0	1.0	ug/L			03/31/22 16:25	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.30**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 21:39	1

Client Sample ID: MW-13S_033022
Lab Sample ID: 480-196271-3

Date Collected: 03/30/22 10:45
Matrix: Water
Date Received: 03/31/22 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**34.1**		20.0	3.5	mg/L			04/04/22 23:14	10
Ammonia	ND		0.020	0.0090	mg/L			04/01/22 08:17	1
Nitrate as N	**2.7**		0.050	0.020	mg/L			03/31/22 14:24	1
Nitrite as N	ND		0.050	0.020	mg/L			03/31/22 14:50	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/07/22 10:30	04/07/22 13:42	1
Alkalinity, Total	**401**		5.0	0.79	mg/L			04/07/22 18:44	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-40_033022
Lab Sample ID: 480-196271-4

Date Collected: 03/30/22 12:45
Matrix: Water
Date Received: 03/31/22 08:00

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			04/04/22 16:07	1
Bromoform	ND		1.0	0.26	ug/L			04/04/22 16:07	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/04/22 16:07	1
Chloroform	ND		1.0	0.34	ug/L			04/04/22 16:07	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/04/22 16:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/04/22 16:07	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/04/22 16:07	1
o-Xylene	ND		1.0	0.76	ug/L			04/04/22 16:07	1
Toluene	ND		1.0	0.51	ug/L			04/04/22 16:07	1
Total BTEX	ND		2.0	1.0	ug/L			04/04/22 16:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/04/22 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/04/22 16:07*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/04/22 16:07*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*04/04/22 16:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/04/22 16:07*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 17:37	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 17:37	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 17:37	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 17:37	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 17:37	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 17:37	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 17:37	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 17:37	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*102*		*48 - 120*	*04/04/22 15:00*	*04/05/22 17:37*	*1*
Nitrobenzene-d5	*92*		*46 - 120*	*04/04/22 15:00*	*04/05/22 17:37*	*1*
p-Terphenyl-d14	*67*		*24 - 136*	*04/04/22 15:00*	*04/05/22 17:37*	*1*

Client Sample ID: MW-40_033022
Lab Sample ID: 480-196271-4
Date Collected: 03/30/22 12:45
Matrix: Water
Date Received: 03/31/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.024**	**J**	0.050	0.016	ug/L		04/05/22 10:14	04/05/22 21:44	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/05/22 10:14	04/05/22 21:44	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/05/22 10:14	04/05/22 21:44	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/05/22 10:14	04/05/22 21:44	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/05/22 10:14	04/05/22 21:44	1
Dibenz(a,h)anthracene	**0.025**	**J**	0.050	0.020	ug/L		04/05/22 10:14	04/05/22 21:44	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/05/22 10:14	04/05/22 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*25 - 131*	*04/05/22 10:14*	*04/05/22 21:44*	*1*
Nitrobenzene-d5	*79*		*54 - 134*	*04/05/22 10:14*	*04/05/22 21:44*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**63**		4.0	1.0	ug/L			03/31/22 16:44	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.76**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 21:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**11.2**		2.0	0.35	mg/L			04/04/22 23:34	1
Ammonia	**0.32**	**B**	0.020	0.0090	mg/L			04/01/22 08:18	1
Nitrate as N	**0.49**		0.050	0.020	mg/L			03/31/22 14:02	1
Nitrite as N	**0.042**	**J**	0.050	0.020	mg/L			03/31/22 15:02	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/07/22 10:30	04/07/22 13:44	1
Alkalinity, Total	**141**		5.0	0.79	mg/L			04/07/22 18:49	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-33S_033022
Lab Sample ID: 480-196271-5
Date Collected: 03/30/22 13:45
Matrix: Water
Date Received: 03/31/22 08:00

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			04/04/22 16:30	1
Bromoform	ND		1.0	0.26	ug/L			04/04/22 16:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/04/22 16:30	1
Chloroform	ND		1.0	0.34	ug/L			04/04/22 16:30	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/04/22 16:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/04/22 16:30	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/04/22 16:30	1
o-Xylene	ND		1.0	0.76	ug/L			04/04/22 16:30	1
Toluene	ND		1.0	0.51	ug/L			04/04/22 16:30	1
Total BTEX	ND		2.0	1.0	ug/L			04/04/22 16:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/04/22 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/04/22 16:30*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*04/04/22 16:30*	*1*

Client Sample ID: MW-33S_033022
Lab Sample ID: 480-196271-5

Date Collected: 03/30/22 13:45
Matrix: Water
Date Received: 03/31/22 08:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*04/04/22 16:30*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/04/22 16:30*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 17:09	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 17:09	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 17:09	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 17:09	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 17:09	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 17:09	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 17:09	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 17:09	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*101*		*48 - 120*	*04/04/22 15:00*	*04/05/22 17:09*	*1*
Nitrobenzene-d5	*93*		*46 - 120*	*04/04/22 15:00*	*04/05/22 17:09*	*1*
p-Terphenyl-d14	*66*		*24 - 136*	*04/04/22 15:00*	*04/05/22 17:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/05/22 10:14	04/05/22 22:05	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/05/22 10:14	04/05/22 22:05	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/05/22 10:14	04/05/22 22:05	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/05/22 10:14	04/05/22 22:05	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/05/22 10:14	04/05/22 22:05	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/05/22 10:14	04/05/22 22:05	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/05/22 10:14	04/05/22 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*67*		*25 - 131*	*04/05/22 10:14*	*04/05/22 22:05*	*1*
Nitrobenzene-d5	*86*		*54 - 134*	*04/05/22 10:14*	*04/05/22 22:05*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**74**		4.0	1.0	ug/L			03/31/22 17:03	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.1**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 21:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**29.0**		10.0	1.7	mg/L			04/04/22 23:53	5
Ammonia	**0.92**	**B**	0.020	0.0090	mg/L			04/01/22 08:19	1
Nitrate as N	**0.58**		0.050	0.020	mg/L			03/31/22 14:04	1
Nitrite as N	ND		0.050	0.020	mg/L			03/31/22 14:54	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/07/22 10:30	04/07/22 13:48	1
Alkalinity, Total	**370**		5.0	0.79	mg/L			04/07/22 18:55	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-45S_033022
Lab Sample ID: 480-196271-6
Date Collected: 03/30/22 14:45
Matrix: Water
Date Received: 03/31/22 08:00

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			04/04/22 16:53	1
Bromoform	ND		1.0	0.26	ug/L			04/04/22 16:53	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/04/22 16:53	1
Chloroform	ND		1.0	0.34	ug/L			04/04/22 16:53	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/04/22 16:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/04/22 16:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/04/22 16:53	1
o-Xylene	ND		1.0	0.76	ug/L			04/04/22 16:53	1
Toluene	ND		1.0	0.51	ug/L			04/04/22 16:53	1
Total BTEX	ND		2.0	1.0	ug/L			04/04/22 16:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/04/22 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/04/22 16:53*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/04/22 16:53*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*04/04/22 16:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/04/22 16:53*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 16:42	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 16:42	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 16:42	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 16:42	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 16:42	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 16:42	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 16:42	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 16:42	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*102*		*48 - 120*	*04/04/22 15:00*	*04/05/22 16:42*	*1*
Nitrobenzene-d5	*96*		*46 - 120*	*04/04/22 15:00*	*04/05/22 16:42*	*1*
p-Terphenyl-d14	*69*		*24 - 136*	*04/04/22 15:00*	*04/05/22 16:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/05/22 10:14	04/05/22 22:26	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/05/22 10:14	04/05/22 22:26	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/05/22 10:14	04/05/22 22:26	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/05/22 10:14	04/05/22 22:26	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/05/22 10:14	04/05/22 22:26	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/05/22 10:14	04/05/22 22:26	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/05/22 10:14	04/05/22 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*25 - 131*	*04/05/22 10:14*	*04/05/22 22:26*	*1*
Nitrobenzene-d5	*83*		*54 - 134*	*04/05/22 10:14*	*04/05/22 22:26*	*1*

Client Sample ID: MW-45S_033022
Lab Sample ID: 480-196271-6
Date Collected: 03/30/22 14:45
Matrix: Water
Date Received: 03/31/22 08:00

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**160**		4.0	1.0	ug/L			03/31/22 17:22	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.6**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 21:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**7.0**	**J**	10.0	1.7	mg/L			04/05/22 00:13	5
Ammonia	**0.41**	**B**	0.020	0.0090	mg/L			04/01/22 08:20	1
Nitrate as N	**0.069**		0.050	0.020	mg/L			03/31/22 14:05	1
Nitrite as N	ND		0.050	0.020	mg/L			03/31/22 14:55	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/07/22 10:30	04/07/22 13:50	1
Alkalinity, Total	**388**		5.0	0.79	mg/L			04/07/22 19:00	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-46S_033022
Lab Sample ID: 480-196271-7
Date Collected: 03/30/22 16:20
Matrix: Water
Date Received: 03/31/22 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1400**		20	8.2	ug/L			04/04/22 17:16	20
Bromoform	ND		20	5.2	ug/L			04/04/22 17:16	20
Chlorodibromomethane	ND		20	6.4	ug/L			04/04/22 17:16	20
Chloroform	ND		20	6.8	ug/L			04/04/22 17:16	20
Dichlorobromomethane	ND		20	7.8	ug/L			04/04/22 17:16	20
Ethylbenzene	**1300**		20	15	ug/L			04/04/22 17:16	20
m-Xylene & p-Xylene	**270**		40	13	ug/L			04/04/22 17:16	20
o-Xylene	**390**		20	15	ug/L			04/04/22 17:16	20
Toluene	**37**		20	10	ug/L			04/04/22 17:16	20
Total BTEX	**3400**		40	20	ug/L			04/04/22 17:16	20
Xylenes, Total	**660**		40	13	ug/L			04/04/22 17:16	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/04/22 17:16*	*20*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*04/04/22 17:16*	*20*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/04/22 17:16*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/04/22 17:16*	*20*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**72**	**E**	0.50	0.30	ug/L		04/04/22 15:00	04/05/22 16:14	1
Acenaphthylene	**3.3**		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 16:14	1
Anthracene	**3.1**		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 16:14	1
Chrysene	**0.52**		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 16:14	1
Fluoranthene	**2.3**		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 16:14	1
Fluorene	**17**		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 16:14	1
Naphthalene	**570**	**E**	0.50	0.42	ug/L		04/04/22 15:00	04/05/22 16:14	1
Phenanthrene	**12**		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 16:14	1
Pyrene	**3.6**		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 16:14	1

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-46S_033022
Lab Sample ID: 480-196271-7
Date Collected: 03/30/22 16:20
Matrix: Water
Date Received: 03/31/22 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		48 - 120	04/04/22 15:00	04/05/22 16:14	1
Nitrobenzene-d5	91		46 - 120	04/04/22 15:00	04/05/22 16:14	1
p-Terphenyl-d14	67		24 - 136	04/04/22 15:00	04/05/22 16:14	1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**72**		25	15	ug/L		04/04/22 15:00	04/06/22 14:28	50
Acenaphthylene	ND		25	17	ug/L		04/04/22 15:00	04/06/22 14:28	50
Anthracene	ND		25	20	ug/L		04/04/22 15:00	04/06/22 14:28	50
Chrysene	ND		25	16	ug/L		04/04/22 15:00	04/06/22 14:28	50
Fluoranthene	ND		25	18	ug/L		04/04/22 15:00	04/06/22 14:28	50
Fluorene	ND		25	19	ug/L		04/04/22 15:00	04/06/22 14:28	50
Naphthalene	**2300**		25	21	ug/L		04/04/22 15:00	04/06/22 14:28	50
Phenanthrene	ND		25	19	ug/L		04/04/22 15:00	04/06/22 14:28	50
Pyrene	ND		25	18	ug/L		04/04/22 15:00	04/06/22 14:28	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		48 - 120	04/04/22 15:00	04/06/22 14:28	50
Nitrobenzene-d5	66		46 - 120	04/04/22 15:00	04/06/22 14:28	50
p-Terphenyl-d14	52		24 - 136	04/04/22 15:00	04/06/22 14:28	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**2.2**		0.050	0.016	ug/L		04/05/22 10:14	04/05/22 22:47	1
Benzo[a]pyrene	**2.2**		0.050	0.022	ug/L		04/05/22 10:14	04/05/22 22:47	1
Benzo[b]fluoranthene	**1.4**		0.050	0.024	ug/L		04/05/22 10:14	04/05/22 22:47	1
Benzo[g,h,i]perylene	**0.81**		0.050	0.035	ug/L		04/05/22 10:14	04/05/22 22:47	1
Benzo[k]fluoranthene	**0.60**		0.050	0.028	ug/L		04/05/22 10:14	04/05/22 22:47	1
Dibenz(a,h)anthracene	**0.28**		0.050	0.020	ug/L		04/05/22 10:14	04/05/22 22:47	1
Indeno[1,2,3-cd]pyrene	**0.78**		0.050	0.036	ug/L		04/05/22 10:14	04/05/22 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	38		25 - 131	04/05/22 10:14	04/05/22 22:47	1
Nitrobenzene-d5	70		54 - 134	04/05/22 10:14	04/05/22 22:47	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**14000**		180	44	ug/L			03/31/22 18:37	44

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**13.2**		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 22:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		10.0	1.7	mg/L			04/05/22 00:33	5
Ammonia	**3.6**	**B**	0.040	0.018	mg/L			04/01/22 08:43	2
Nitrate as N	ND		0.050	0.020	mg/L			03/31/22 14:07	1
Nitrite as N	ND		0.050	0.020	mg/L			03/31/22 14:07	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/07/22 10:30	04/07/22 13:51	1
Alkalinity, Total	**317**		5.0	0.79	mg/L			04/07/22 19:05	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Surrogate Summary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-196271-1	MW-24S_033022	104	102	96	98
480-196271-2	TB_033022	106	103	95	101
480-196271-3	MW-13S_033022	102	101	92	98
480-196271-4	MW-40_033022	107	102	97	100
480-196271-5	MW-33S_033022	105	105	96	100
480-196271-6	MW-45S_033022	103	102	95	101
480-196271-7	MW-46S_033022	106	103	93	101
LCS 480-620303/6	Lab Control Sample	104	100	95	99
MB 480-620303/8	Method Blank	108	104	95	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(48-120)	(46-120)	(24-136)
480-196271-1	MW-24S_033022	106	94	74
480-196271-3	MW-13S_033022	107	95	74
480-196271-4	MW-40_033022	102	92	67
480-196271-5	MW-33S_033022	101	93	66
480-196271-6	MW-45S_033022	102	96	69
480-196271-7	MW-46S_033022	91	91	67
480-196271-7 - DL	MW-46S_033022	76	66	52
LCS 480-620363/2-A	Lab Control Sample	99	104	95
MB 480-620363/1-A	Method Blank	95	88	91

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		FBP	NBZ
Lab Sample ID	Client Sample ID	(25-131)	(54-134)
480-196271-1	MW-24S_033022	60	85
480-196271-3	MW-13S_033022	57	80
480-196271-4	MW-40_033022	61	79
480-196271-5	MW-33S_033022	67	86
480-196271-6	MW-45S_033022	63	83
480-196271-7	MW-46S_033022	38	70
LCS 460-837410/4-A	Lab Control Sample	64	86
LCSD 460-837410/5-A	Lab Control Sample Dup	54	74

Surrogate Summary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		FBP	NBZ								
Lab Sample ID	Client Sample ID	(25-131)	(54-134)								
MB 460-837410/1-A	Method Blank	64	82								

Surrogate Legend

FBP = 2-Fluorobiphenyl

NBZ = Nitrobenzene-d5

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

Lab Sample ID: MB 480-620303/8
Matrix: Water
Analysis Batch: 620303

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/04/22 13:52	1
Bromoform	ND		1.0	0.26	ug/L			04/04/22 13:52	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/04/22 13:52	1
Chloroform	ND		1.0	0.34	ug/L			04/04/22 13:52	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/04/22 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/04/22 13:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/04/22 13:52	1
o-Xylene	ND		1.0	0.76	ug/L			04/04/22 13:52	1
Toluene	ND		1.0	0.51	ug/L			04/04/22 13:52	1
Total BTEX	ND		2.0	1.0	ug/L			04/04/22 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/04/22 13:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*04/04/22 13:52*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/04/22 13:52*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*04/04/22 13:52*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/04/22 13:52*	*1*

Lab Sample ID: LCS 480-620303/6
Matrix: Water
Analysis Batch: 620303

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromoform	25.0	28.2		ug/L		113	61 - 132
Chlorodibromomethane	25.0	27.4		ug/L		110	75 - 125
Chloroform	25.0	24.3		ug/L		97	73 - 127
Dichlorobromomethane	25.0	27.8		ug/L		111	80 - 122
Ethylbenzene	25.0	27.0		ug/L		108	77 - 123
m-Xylene & p-Xylene	25.0	26.3		ug/L		105	76 - 122
o-Xylene	25.0	24.5		ug/L		98	76 - 122
Toluene	25.0	25.9		ug/L		104	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 480-620363/1-A
Matrix: Water
Analysis Batch: 620427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 13:54	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 13:54	1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: MB 480-620363/1-A
Matrix: Water
Analysis Batch: 620427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 13:54	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 13:54	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 13:54	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 13:54	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 13:54	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 13:54	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*48 - 120*	*04/04/22 15:00*	*04/05/22 13:54*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*04/04/22 15:00*	*04/05/22 13:54*	*1*
p-Terphenyl-d14	*91*		*24 - 136*	*04/04/22 15:00*	*04/05/22 13:54*	*1*

Lab Sample ID: LCS 480-620363/2-A
Matrix: Water
Analysis Batch: 620427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	32.0		ug/L		100	60 - 120
Acenaphthylene	32.0	31.4		ug/L		98	63 - 120
Anthracene	32.0	35.2		ug/L		110	69 - 131
Chrysene	32.0	30.6		ug/L		96	69 - 140
Fluoranthene	32.0	37.1		ug/L		116	67 - 133
Fluorene	32.0	34.7		ug/L		108	66 - 129
Naphthalene	32.0	30.4		ug/L		95	48 - 120
Phenanthrene	32.0	34.5		ug/L		108	67 - 130
Pyrene	32.0	35.4		ug/L		111	58 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*48 - 120*
Nitrobenzene-d5	*104*		*46 - 120*
p-Terphenyl-d14	*95*		*24 - 136*

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

Lab Sample ID: MB 460-837410/1-A
Matrix: Water
Analysis Batch: 837490

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/05/22 10:13	04/05/22 18:15	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/05/22 10:13	04/05/22 18:15	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/05/22 10:13	04/05/22 18:15	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/05/22 10:13	04/05/22 18:15	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/05/22 10:13	04/05/22 18:15	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/05/22 10:13	04/05/22 18:15	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/05/22 10:13	04/05/22 18:15	1

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

Lab Sample ID: MB 460-837410/1-A
Matrix: Water
Analysis Batch: 837490

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837410

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	64		25 - 131	04/05/22 10:13	04/05/22 18:15	1
Nitrobenzene-d5	82		54 - 134	04/05/22 10:13	04/05/22 18:15	1

Lab Sample ID: LCS 460-837410/4-A
Matrix: Water
Analysis Batch: 837490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 837410

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			2.00	1.46		ug/L		73	52 - 143		
Benzo[a]pyrene			2.00	1.29		ug/L		65	43 - 150		
Benzo[b]fluoranthene			2.00	1.47		ug/L		73	46 - 150		
Benzo[g,h,i]perylene			2.00	1.50		ug/L		75	51 - 150		
Benzo[k]fluoranthene			2.00	1.42		ug/L		71	44 - 150		
Dibenz(a,h)anthracene			2.00	1.76		ug/L		88	48 - 150		
Indeno[1,2,3-cd]pyrene			2.00	1.51		ug/L		75	44 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	64		25 - 131
Nitrobenzene-d5	86		54 - 134

Lab Sample ID: LCSD 460-837410/5-A
Matrix: Water
Analysis Batch: 837490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 837410

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene			2.00	1.46		ug/L		73	52 - 143	0	30
Benzo[a]pyrene			2.00	1.64		ug/L		82	43 - 150	24	30
Benzo[b]fluoranthene			2.00	1.39		ug/L		70	46 - 150	5	30
Benzo[g,h,i]perylene			2.00	1.60		ug/L		80	51 - 150	6	30
Benzo[k]fluoranthene			2.00	1.32		ug/L		66	44 - 150	8	30
Dibenz(a,h)anthracene			2.00	1.67		ug/L		83	48 - 150	5	30
Indeno[1,2,3-cd]pyrene			2.00	1.50		ug/L		75	44 - 150	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	54		25 - 131
Nitrobenzene-d5	74		54 - 134

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-619920/3
Matrix: Water
Analysis Batch: 619920

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			03/31/22 14:39	1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 480-619920/4
Matrix: Water
Analysis Batch: 619920

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.4	19.5		ug/L		100	85 - 120

Lab Sample ID: LCSD 480-619920/5
Matrix: Water
Analysis Batch: 619920

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane	19.4	20.6		ug/L		106	85 - 120	6	50

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-619955/1-A
Matrix: Water
Analysis Batch: 620284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 619955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/01/22 09:43	04/03/22 20:58	1

Lab Sample ID: LCS 480-619955/2-A
Matrix: Water
Analysis Batch: 620284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 619955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	10.0	11.31		mg/L		113	80 - 120

Lab Sample ID: LCSD 480-619955/3-A
Matrix: Water
Analysis Batch: 620284

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 619955

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	10.0	10.83		mg/L		108	80 - 120	4	20

Lab Sample ID: 480-196271-1 MS
Matrix: Water
Analysis Batch: 620284

Client Sample ID: MW-24S_033022
Prep Type: Total/NA
Prep Batch: 619955

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.40		10.0	11.08		mg/L		107	75 - 125

Lab Sample ID: 480-196271-1 MSD
Matrix: Water
Analysis Batch: 620284

Client Sample ID: MW-24S_033022
Prep Type: Total/NA
Prep Batch: 619955

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.40		10.0	10.98		mg/L		106	75 - 125	1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-620336/4
Matrix: Water
Analysis Batch: 620336

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			04/04/22 18:59	1

Lab Sample ID: LCS 480-620336/5
Matrix: Water
Analysis Batch: 620336

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.0	49.81		mg/L		100	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-620014/51
Matrix: Water
Analysis Batch: 620014

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0130	J	0.020	0.0090	mg/L			04/01/22 08:10	1

Lab Sample ID: MB 480-620014/75
Matrix: Water
Analysis Batch: 620014

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0115	J	0.020	0.0090	mg/L			04/01/22 08:37	1

Lab Sample ID: LCS 480-620014/52
Matrix: Water
Analysis Batch: 620014

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.954		mg/L		95	90 - 110

Lab Sample ID: LCS 480-620014/76
Matrix: Water
Analysis Batch: 620014

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.954		mg/L		95	90 - 110

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-619934/3
Matrix: Water
Analysis Batch: 619934

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			03/31/22 14:47	1

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: LCS 480-619934/4
Matrix: Water
Analysis Batch: 619934

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.50	1.60		mg/L		107	90 - 110

Lab Sample ID: 480-196271-3 MS
Matrix: Water
Analysis Batch: 619934

Client Sample ID: MW-13S_033022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND		1.00	1.06		mg/L		106	90 - 110

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-620796/1-A
Matrix: Water
Analysis Batch: 620838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		04/07/22 10:30	04/07/22 13:31	1

Lab Sample ID: LCS 480-620796/2-A
Matrix: Water
Analysis Batch: 620838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.394		mg/L		99	90 - 110

Lab Sample ID: LCS 480-620796/3-A
Matrix: Water
Analysis Batch: 620838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.226		mg/L		90	90 - 110

Lab Sample ID: 480-196271-1 MS
Matrix: Water
Analysis Batch: 620838

Client Sample ID: MW-24S_033022
Prep Type: Total/NA
Prep Batch: 620796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND		0.100	0.109		mg/L		109	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 480-620902/30
Matrix: Water
Analysis Batch: 620902

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			04/07/22 17:09	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 480-620902/7
Matrix: Water
Analysis Batch: 620902

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			04/07/22 15:11	1

Lab Sample ID: LCS 480-620902/31
Matrix: Water
Analysis Batch: 620902

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	100	90.65		mg/L		91	90 - 110

Lab Sample ID: LCS 480-620902/8
Matrix: Water
Analysis Batch: 620902

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	100	90.25		mg/L		90	90 - 110

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 480-620195/29
Matrix: Water
Analysis Batch: 620195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.10	0.075	mg/L			04/02/22 18:30	1

Lab Sample ID: MB 480-620195/3
Matrix: Water
Analysis Batch: 620195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.10	0.075	mg/L			04/02/22 18:30	1

Lab Sample ID: LCS 480-620195/30
Matrix: Water
Analysis Batch: 620195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	2.00	1.99		mg/L		100	90 - 110

Lab Sample ID: LCS 480-620195/4
Matrix: Water
Analysis Batch: 620195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	2.00	2.00		mg/L		100	90 - 110

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: 480-196271-3 MS
Client Sample ID: MW-13S_033022
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ferrous Iron	ND	HF	1.00	0.984		mg/L		98	70 - 130		

Lab Sample ID: 480-196271-1 DU
Client Sample ID: MW-24S_033022
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196271-3 DU
Client Sample ID: MW-13S_033022
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196271-4 DU
Client Sample ID: MW-40_033022
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196271-5 DU
Client Sample ID: MW-33S_033022
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196271-6 DU
Client Sample ID: MW-45S_033022
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196271-7 DU
Client Sample ID: MW-46S_033022
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 620195

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

QC Association Summary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

GC/MS VOA

Analysis Batch: 620303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	8260C	
480-196271-2	TB_033022	Total/NA	Water	8260C	
480-196271-3	MW-13S_033022	Total/NA	Water	8260C	
480-196271-4	MW-40_033022	Total/NA	Water	8260C	
480-196271-5	MW-33S_033022	Total/NA	Water	8260C	
480-196271-6	MW-45S_033022	Total/NA	Water	8260C	
480-196271-7	MW-46S_033022	Total/NA	Water	8260C	
MB 480-620303/8	Method Blank	Total/NA	Water	8260C	
LCS 480-620303/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 620363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	3510C	
480-196271-3	MW-13S_033022	Total/NA	Water	3510C	
480-196271-4	MW-40_033022	Total/NA	Water	3510C	
480-196271-5	MW-33S_033022	Total/NA	Water	3510C	
480-196271-6	MW-45S_033022	Total/NA	Water	3510C	
480-196271-7 - DL	MW-46S_033022	Total/NA	Water	3510C	
480-196271-7	MW-46S_033022	Total/NA	Water	3510C	
MB 480-620363/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-620363/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 620427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	8270D_LL_PAH	620363
480-196271-3	MW-13S_033022	Total/NA	Water	8270D_LL_PAH	620363
480-196271-4	MW-40_033022	Total/NA	Water	8270D_LL_PAH	620363
480-196271-5	MW-33S_033022	Total/NA	Water	8270D_LL_PAH	620363
480-196271-6	MW-45S_033022	Total/NA	Water	8270D_LL_PAH	620363
480-196271-7	MW-46S_033022	Total/NA	Water	8270D_LL_PAH	620363
MB 480-620363/1-A	Method Blank	Total/NA	Water	8270D_LL_PAH	620363
LCS 480-620363/2-A	Lab Control Sample	Total/NA	Water	8270D_LL_PAH	620363

Analysis Batch: 620644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-7 - DL	MW-46S_033022	Total/NA	Water	8270D_LL_PAH	620363

Prep Batch: 837410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	3510C	
480-196271-3	MW-13S_033022	Total/NA	Water	3510C	
480-196271-4	MW-40_033022	Total/NA	Water	3510C	
480-196271-5	MW-33S_033022	Total/NA	Water	3510C	
480-196271-6	MW-45S_033022	Total/NA	Water	3510C	
480-196271-7	MW-46S_033022	Total/NA	Water	3510C	
MB 460-837410/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-837410/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-837410/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

QC Association Summary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

GC/MS Semi VOA

Analysis Batch: 837490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	8270E SIM	837410
480-196271-3	MW-13S_033022	Total/NA	Water	8270E SIM	837410
480-196271-4	MW-40_033022	Total/NA	Water	8270E SIM	837410
480-196271-5	MW-33S_033022	Total/NA	Water	8270E SIM	837410
480-196271-6	MW-45S_033022	Total/NA	Water	8270E SIM	837410
480-196271-7	MW-46S_033022	Total/NA	Water	8270E SIM	837410
MB 460-837410/1-A	Method Blank	Total/NA	Water	8270E SIM	837410
LCS 460-837410/4-A	Lab Control Sample	Total/NA	Water	8270E SIM	837410
LCSD 460-837410/5-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	837410

GC VOA

Analysis Batch: 619920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	RSK-175	
480-196271-3	MW-13S_033022	Total/NA	Water	RSK-175	
480-196271-4	MW-40_033022	Total/NA	Water	RSK-175	
480-196271-5	MW-33S_033022	Total/NA	Water	RSK-175	
480-196271-6	MW-45S_033022	Total/NA	Water	RSK-175	
480-196271-7	MW-46S_033022	Total/NA	Water	RSK-175	
MB 480-619920/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-619920/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-619920/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Metals

Prep Batch: 619955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	3005A	
480-196271-3	MW-13S_033022	Total/NA	Water	3005A	
480-196271-4	MW-40_033022	Total/NA	Water	3005A	
480-196271-5	MW-33S_033022	Total/NA	Water	3005A	
480-196271-6	MW-45S_033022	Total/NA	Water	3005A	
480-196271-7	MW-46S_033022	Total/NA	Water	3005A	
MB 480-619955/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-619955/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-619955/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	
480-196271-1 MS	MW-24S_033022	Total/NA	Water	3005A	
480-196271-1 MSD	MW-24S_033022	Total/NA	Water	3005A	

Analysis Batch: 620284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	6010C	619955
480-196271-3	MW-13S_033022	Total/NA	Water	6010C	619955
480-196271-4	MW-40_033022	Total/NA	Water	6010C	619955
480-196271-5	MW-33S_033022	Total/NA	Water	6010C	619955
480-196271-6	MW-45S_033022	Total/NA	Water	6010C	619955
480-196271-7	MW-46S_033022	Total/NA	Water	6010C	619955
MB 480-619955/1-A	Method Blank	Total/NA	Water	6010C	619955
LCS 480-619955/2-A	Lab Control Sample	Total/NA	Water	6010C	619955
LCSD 480-619955/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	619955
480-196271-1 MS	MW-24S_033022	Total/NA	Water	6010C	619955

Metals (Continued)

Analysis Batch: 620284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1 MSD	MW-24S_033022	Total/NA	Water	6010C	619955

General Chemistry

Analysis Batch: 619934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-3	MW-13S_033022	Total/NA	Water	353.2	
480-196271-4	MW-40_033022	Total/NA	Water	353.2	
480-196271-5	MW-33S_033022	Total/NA	Water	353.2	
480-196271-6	MW-45S_033022	Total/NA	Water	353.2	
MB 480-619934/3	Method Blank	Total/NA	Water	353.2	
LCS 480-619934/4	Lab Control Sample	Total/NA	Water	353.2	
480-196271-3 MS	MW-13S_033022	Total/NA	Water	353.2	

Analysis Batch: 619963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	353.2	
480-196271-3	MW-13S_033022	Total/NA	Water	353.2	
480-196271-4	MW-40_033022	Total/NA	Water	353.2	
480-196271-5	MW-33S_033022	Total/NA	Water	353.2	
480-196271-6	MW-45S_033022	Total/NA	Water	353.2	
480-196271-7	MW-46S_033022	Total/NA	Water	353.2	

Analysis Batch: 619965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	353.2	
480-196271-7	MW-46S_033022	Total/NA	Water	353.2	

Analysis Batch: 620014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	350.1	
480-196271-3	MW-13S_033022	Total/NA	Water	350.1	
480-196271-4	MW-40_033022	Total/NA	Water	350.1	
480-196271-5	MW-33S_033022	Total/NA	Water	350.1	
480-196271-6	MW-45S_033022	Total/NA	Water	350.1	
480-196271-7	MW-46S_033022	Total/NA	Water	350.1	
MB 480-620014/51	Method Blank	Total/NA	Water	350.1	
MB 480-620014/75	Method Blank	Total/NA	Water	350.1	
LCS 480-620014/52	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-620014/76	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 620195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	SM 3500 FE D	
480-196271-3	MW-13S_033022	Total/NA	Water	SM 3500 FE D	
480-196271-4	MW-40_033022	Total/NA	Water	SM 3500 FE D	
480-196271-5	MW-33S_033022	Total/NA	Water	SM 3500 FE D	
480-196271-6	MW-45S_033022	Total/NA	Water	SM 3500 FE D	
480-196271-7	MW-46S_033022	Total/NA	Water	SM 3500 FE D	
MB 480-620195/29	Method Blank	Total/NA	Water	SM 3500 FE D	
MB 480-620195/3	Method Blank	Total/NA	Water	SM 3500 FE D	

General Chemistry (Continued)

Analysis Batch: 620195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-620195/30	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCS 480-620195/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
480-196271-3 MS	MW-13S_033022	Total/NA	Water	SM 3500 FE D	
480-196271-1 DU	MW-24S_033022	Total/NA	Water	SM 3500 FE D	
480-196271-3 DU	MW-13S_033022	Total/NA	Water	SM 3500 FE D	
480-196271-4 DU	MW-40_033022	Total/NA	Water	SM 3500 FE D	
480-196271-5 DU	MW-33S_033022	Total/NA	Water	SM 3500 FE D	
480-196271-6 DU	MW-45S_033022	Total/NA	Water	SM 3500 FE D	
480-196271-7 DU	MW-46S_033022	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 620336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	300.0	
480-196271-3	MW-13S_033022	Total/NA	Water	300.0	
480-196271-4	MW-40_033022	Total/NA	Water	300.0	
480-196271-5	MW-33S_033022	Total/NA	Water	300.0	
480-196271-6	MW-45S_033022	Total/NA	Water	300.0	
480-196271-7	MW-46S_033022	Total/NA	Water	300.0	
MB 480-620336/4	Method Blank	Total/NA	Water	300.0	
LCS 480-620336/5	Lab Control Sample	Total/NA	Water	300.0	

Prep Batch: 620796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	9012B	
480-196271-3	MW-13S_033022	Total/NA	Water	9012B	
480-196271-4	MW-40_033022	Total/NA	Water	9012B	
480-196271-5	MW-33S_033022	Total/NA	Water	9012B	
480-196271-6	MW-45S_033022	Total/NA	Water	9012B	
480-196271-7	MW-46S_033022	Total/NA	Water	9012B	
MB 480-620796/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-620796/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-620796/3-A	Lab Control Sample	Total/NA	Water	9012B	
480-196271-1 MS	MW-24S_033022	Total/NA	Water	9012B	

Analysis Batch: 620838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	9012B	620796
480-196271-3	MW-13S_033022	Total/NA	Water	9012B	620796
480-196271-4	MW-40_033022	Total/NA	Water	9012B	620796
480-196271-5	MW-33S_033022	Total/NA	Water	9012B	620796
480-196271-6	MW-45S_033022	Total/NA	Water	9012B	620796
480-196271-7	MW-46S_033022	Total/NA	Water	9012B	620796
MB 480-620796/1-A	Method Blank	Total/NA	Water	9012B	620796
LCS 480-620796/2-A	Lab Control Sample	Total/NA	Water	9012B	620796
LCS 480-620796/3-A	Lab Control Sample	Total/NA	Water	9012B	620796
480-196271-1 MS	MW-24S_033022	Total/NA	Water	9012B	620796

Analysis Batch: 620902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-1	MW-24S_033022	Total/NA	Water	SM 2320B	
480-196271-3	MW-13S_033022	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 620902 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196271-4	MW-40_033022	Total/NA	Water	SM 2320B	
480-196271-5	MW-33S_033022	Total/NA	Water	SM 2320B	
480-196271-6	MW-45S_033022	Total/NA	Water	SM 2320B	
480-196271-7	MW-46S_033022	Total/NA	Water	SM 2320B	
MB 480-620902/30	Method Blank	Total/NA	Water	SM 2320B	
MB 480-620902/7	Method Blank	Total/NA	Water	SM 2320B	
LCS 480-620902/31	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 480-620902/8	Lab Control Sample	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-24S_033022
Lab Sample ID: 480-196271-1
Date Collected: 03/30/22 09:55
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620303	04/04/22 14:59	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 18:33	JMM	TAL BUF
Total/NA	Prep	3510C			837410	04/05/22 10:14	OTS	TAL EDI
Total/NA	Analysis	8270E SIM		1	837490	04/05/22 21:03	YAH	TAL EDI
Total/NA	Analysis	RSK-175		1	619920	03/31/22 16:06	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 21:20	LMH	TAL BUF
Total/NA	Analysis	300.0		5	620336	04/04/22 22:55	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	620014	04/01/22 08:16	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619963	03/31/22 13:58	JJK	TAL BUF
Total/NA	Analysis	353.2		1	619965	03/31/22 13:58	JJK	TAL BUF
Total/NA	Prep	9012B			620796	04/07/22 10:30	RJM	TAL BUF
Total/NA	Analysis	9012B		1	620838	04/07/22 13:40	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 18:38	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: TB_033022
Lab Sample ID: 480-196271-2
Date Collected: 03/30/22 09:50
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620303	04/04/22 15:22	LCH	TAL BUF

Client Sample ID: MW-13S_033022
Lab Sample ID: 480-196271-3
Date Collected: 03/30/22 10:45
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620303	04/04/22 15:44	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 18:05	JMM	TAL BUF
Total/NA	Prep	3510C			837410	04/05/22 10:14	OTS	TAL EDI
Total/NA	Analysis	8270E SIM		1	837490	04/05/22 21:24	YAH	TAL EDI
Total/NA	Analysis	RSK-175		1	619920	03/31/22 16:25	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 21:39	LMH	TAL BUF
Total/NA	Analysis	300.0		10	620336	04/04/22 23:14	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	620014	04/01/22 08:17	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619963	03/31/22 14:24	JJK	TAL BUF
Total/NA	Analysis	353.2		1	619934	03/31/22 14:50	JJK	TAL BUF
Total/NA	Prep	9012B			620796	04/07/22 10:30	RJM	TAL BUF
Total/NA	Analysis	9012B		1	620838	04/07/22 13:42	JGO	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-13S_033022
Lab Sample ID: 480-196271-3
Date Collected: 03/30/22 10:45
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 18:44	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: MW-40_033022
Lab Sample ID: 480-196271-4
Date Collected: 03/30/22 12:45
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620303	04/04/22 16:07	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 17:37	JMM	TAL BUF
Total/NA	Prep	3510C			837410	04/05/22 10:14	OTS	TAL EDI
Total/NA	Analysis	8270E SIM		1	837490	04/05/22 21:44	YAH	TAL EDI
Total/NA	Analysis	RSK-175		1	619920	03/31/22 16:44	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 21:42	LMH	TAL BUF
Total/NA	Analysis	300.0		1	620336	04/04/22 23:34	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	620014	04/01/22 08:18	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619963	03/31/22 14:02	JJK	TAL BUF
Total/NA	Analysis	353.2		1	619934	03/31/22 15:02	JJK	TAL BUF
Total/NA	Prep	9012B			620796	04/07/22 10:30	RJM	TAL BUF
Total/NA	Analysis	9012B		1	620838	04/07/22 13:44	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 18:49	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: MW-33S_033022
Lab Sample ID: 480-196271-5
Date Collected: 03/30/22 13:45
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620303	04/04/22 16:30	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 17:09	JMM	TAL BUF
Total/NA	Prep	3510C			837410	04/05/22 10:14	OTS	TAL EDI
Total/NA	Analysis	8270E SIM		1	837490	04/05/22 22:05	YAH	TAL EDI
Total/NA	Analysis	RSK-175		1	619920	03/31/22 17:03	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 21:46	LMH	TAL BUF
Total/NA	Analysis	300.0		5	620336	04/04/22 23:53	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	620014	04/01/22 08:19	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619963	03/31/22 14:04	JJK	TAL BUF
Total/NA	Analysis	353.2		1	619934	03/31/22 14:54	JJK	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-33S_033022
Lab Sample ID: 480-196271-5
Date Collected: 03/30/22 13:45
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			620796	04/07/22 10:30	RJM	TAL BUF
Total/NA	Analysis	9012B		1	620838	04/07/22 13:48	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 18:55	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: MW-45S_033022
Lab Sample ID: 480-196271-6
Date Collected: 03/30/22 14:45
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620303	04/04/22 16:53	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 16:42	JMM	TAL BUF
Total/NA	Prep	3510C			837410	04/05/22 10:14	OTS	TAL EDI
Total/NA	Analysis	8270E SIM		1	837490	04/05/22 22:26	YAH	TAL EDI
Total/NA	Analysis	RSK-175		1	619920	03/31/22 17:22	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 21:50	LMH	TAL BUF
Total/NA	Analysis	300.0		5	620336	04/05/22 00:13	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	620014	04/01/22 08:20	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619963	03/31/22 14:05	JJK	TAL BUF
Total/NA	Analysis	353.2		1	619934	03/31/22 14:55	JJK	TAL BUF
Total/NA	Prep	9012B			620796	04/07/22 10:30	RJM	TAL BUF
Total/NA	Analysis	9012B		1	620838	04/07/22 13:50	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 19:00	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: MW-46S_033022
Lab Sample ID: 480-196271-7
Date Collected: 03/30/22 16:20
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	620303	04/04/22 17:16	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 16:14	JMM	TAL BUF
Total/NA	Prep	3510C	DL		620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH	DL	50	620644	04/06/22 14:28	PJQ	TAL BUF
Total/NA	Prep	3510C			837410	04/05/22 10:14	OTS	TAL EDI
Total/NA	Analysis	8270E SIM		1	837490	04/05/22 22:47	YAH	TAL EDI
Total/NA	Analysis	RSK-175		44	619920	03/31/22 18:37	DSC	TAL BUF
Total/NA	Prep	3005A			619955	04/01/22 09:43	NBS	TAL BUF
Total/NA	Analysis	6010C		1	620284	04/03/22 22:04	LMH	TAL BUF
Total/NA	Analysis	300.0		5	620336	04/05/22 00:33	IMZ	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-46S_033022
Lab Sample ID: 480-196271-7

Date Collected: 03/30/22 16:20
Matrix: Water
Date Received: 03/31/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		2	620014	04/01/22 08:43	CLT	TAL BUF
Total/NA	Analysis	353.2		1	619963	03/31/22 14:07	JJK	TAL BUF
Total/NA	Analysis	353.2		1	619965	03/31/22 14:07	JJK	TAL BUF
Total/NA	Prep	9012B			620796	04/07/22 10:30	RJM	TAL BUF
Total/NA	Analysis	9012B		1	620838	04/07/22 13:51	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	620902	04/07/22 19:05	KEB	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Laboratory References:

TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Laboratory: Eurofins 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	03-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX
SM 3500 FE D		Water	Ferrous Iron

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-01-23
Georgia	State	12028 (NJ)	06-30-22
Massachusetts	State	M-NJ312	06-30-22
New Jersey	NELAP	12028	06-30-22
New York	NELAP	11452	04-01-23
Pennsylvania	NELAP	68-00522	02-28-23
Rhode Island	State	LAO00376	12-31-22
USDA	US Federal Programs	P330-20-00244	11-03-23

Method Summary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D_LL_PAH	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL EDI
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
SM 2320B	Alkalinity	SM	TAL BUF
SM 3500 FE D	Iron, Ferrous and Ferric	SM	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

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 Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Parsons Corporation
Job ID: 480-196271-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-196271-1	MW-24S_033022	Water	03/30/22 09:55	03/31/22 08:00
480-196271-2	TB_033022	Water	03/30/22 09:50	03/31/22 08:00
480-196271-3	MW-13S_033022	Water	03/30/22 10:45	03/31/22 08:00
480-196271-4	MW-40_033022	Water	03/30/22 12:45	03/31/22 08:00
480-196271-5	MW-33S_033022	Water	03/30/22 13:45	03/31/22 08:00
480-196271-6	MW-45S_033022	Water	03/30/22 14:45	03/31/22 08:00
480-196271-7	MW-46S_033022	Water	03/30/22 16:20	03/31/22 08:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

480-196271 Chain of Custody

Client Information	Sampler: LT/RI	Lab PM: Schove, John R	COC No: 480-172143-37248.1
Client Contact: Stephen Liberatore	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin:	Page: Page 1 of 3
Company: Parsons Corporation	PWSID:		Job #:
Address: 301 Plainfield Road Suite 350	Due Date Requested:		
City: Syracuse	TAT Requested (days):		
State, Zip: NY, 13212	Compliance Project: Δ Yes Δ No		
Phone: 315-418-8767(Tel)	PO #: ~~452964.01000~~ 452964.01000		
Email: stephen.liberatore@parsons.com	WO #:		
Project Name: NYSEG - Ithaca Court St. - GW Sampling	Project #: 48025007		
Site:	SSOW#:		

Analysis Reques

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM - PAH LL SIM SVOCs	8270D_LL_PAH - PAH LL SVOCs	300.0_28D - Sulfate	350.1 - Nitrogen, Ammonia	6010C - Metals (ICP) - Iron	RSK_175 - Methane	8260C - BTEX and THMs	9012B - Cyanide, Total	2320B - Alkalinity	3500_FE_D - Iron, Ferrous	353.2, 353.2_Nitrite, Nitrate_Calc	8260C - BTEX		Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	S	D	A	A	B	N	N	N	A			
MW-24S_033022	3/30/22	0955	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X	~~X~~ 47		18	
TB-033022	3/30/22	0950	G	W	N	N												X		1	Trip Blank
MW-13S_033022	3/30/22	1045	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X			18	
MW-40_033022	3/30/22	1245	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X			18	
MW-33S_033022	3/30/22	1345	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X			18	
MW-45S_033022	3/30/22	1445	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X			18	
MW-46S_033022	3/30/22	1620	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X			18	

H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Richard Paulina	Date/Time: 3/30/22 - 1800	Company: Parsons	Received by: RELINQUISHED	Date/Time: 3.20.22, 1800	Company: Eyn
Relinquished by: RELINQUISHED	Date/Time: 3-20-22, 1905	Company: Eyn	Received by: Cwalker	Date/Time: 3/31/22 0800	Company: TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: #1 2.8, 2.4

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-70904.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note): NELAP - New York		Job #: 480-196271-1
Address: 777 New Durham Road, ,	Due Date Requested: 4/13/2022			
City: Edison	TAT Requested (days):			
State, Zip: NJ, 08817	PO #:			
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	WO #:			
Email:	Project #: 48025007			
Project Name: NYSEG - Ithaca Court St. - GW Sampling	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVI PAH LL SIM SVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-24S-033022 (480-196271-1)	3/30/22	09:55 Eastern		Water			X	2	
MW-13S-033022 (480-196271-3)	3/30/22	10:45 Eastern		Water			X	2	
MW-40-033022 (480-196271-4)	3/30/22	12:45 Eastern		Water			X	2	
MW-33S-033022 (480-196271-5)	3/30/22	13:45 Eastern		Water			X	2	
MW-45S-033022 (480-196271-6)	3/30/22	14:45 Eastern		Water			X	2	
MW-46S-033022 (480-196271-7)	3/30/22	16:20 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC 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 analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 3/31/22 1800	Company FTB	Received by:	Date/Time: 4/1/22 1030	Company FTA	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1784553	Cooler Temperature(s) °C and Other Remarks: 5.3°C / 5.5°C

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-196271-1

Login Number: 196271
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

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	

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-196271-1

Login Number: 196271
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 04/01/22 11:42 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	1784553
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.5°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-196346-1
Client Project/Site: NYSEG - Ithaca Court St. - GW Sampling

For:
Parsons Corporation
301 Plainfield Road
Suite 350
Syracuse, New York 13212

Attn: Stephen Liberatore

Authorized for release by:
4/15/2022 1:25:53 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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 VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
H3	Sample was received and analyzed past holding time.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Job ID: 480-196346-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-196346-1

Comments
No additional comments.

Receipt
The samples were received on 4/2/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.4º C, 2.8º C and 3.0º C.

GC/MS VOA
Method 8260C: The following samples were diluted due to the abundance of non-target analytes: MW-48S_033122 (480-196346-5) and MW-23S_033122 (480-196346-6). 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
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

HPLC/IC
Method 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-28S_033122 (480-196346-1), DUP_033122 (480-196346-2), MW-22S_033122 (480-196346-3), MW-31S_033122 (480-196346-4), MW-48S_033122 (480-196346-5), MW-23S_033122 (480-196346-6) and MW-47S_033122 (480-196346-7). 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 VOA
Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-28S_033122 (480-196346-1), MW-28S_033122 (480-196346-1[MS]), MW-28S_033122 (480-196346-1[MSD]), DUP_033122 (480-196346-2), MW-48S_033122 (480-196346-5) and MW-23S_033122 (480-196346-6). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-47S_033122 (480-196346-7). 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.

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

General Chemistry
Method 353.2: The following sample(s) was received with minimum amount of time remaining on the test. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-22S_033122 (480-196346-3), MW-31S_033122 (480-196346-4), MW-48S_033122 (480-196346-5), MW-23S_033122 (480-196346-6) and MW-47S_033122 (480-196346-7).

Method 353.2: The following samples were received outside of holding time: MW-28S_033122 (480-196346-1), MW-28S_033122 (480-196346-1[MS]), MW-28S_033122 (480-196346-1[MSD]) and DUP_033122 (480-196346-2).
Method SM 3500 FE D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: MW-28S_033122 (480-196346-1), MW-28S_033122 (480-196346-1[MS]), MW-28S_033122 (480-196346-1[MSD]), DUP_033122 (480-196346-2), MW-22S_033122 (480-196346-3), MW-31S_033122 (480-196346-4), MW-48S_033122 (480-196346-5), MW-23S_033122 (480-196346-6) and MW-47S_033122 (480-196346-7).

Method 353.2: The following sample(s) was received with minimum amount of time remaining on the test. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-22S_033122 (480-196346-3), MW-31S_033122

Job ID: 480-196346-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

(480-196346-4), MW-23S_033122 (480-196346-6) and MW-47S_033122 (480-196346-7).

Method 353.2: The following samples were received outside of holding time: MW-28S_033122 (480-196346-1), MW-28S_033122 (480-196346-1[MS]), MW-28S_033122 (480-196346-1[MSD]) and DUP_033122 (480-196346-2).
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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

Detection Summary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-28S_033122 — Lab Sample ID: 480-196346-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	2800		44	11	ug/L	11		RSK-175	Total/NA
Iron	1.9		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	5.9	J	10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	0.94		0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	0.25	H H3	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.049	J H H3	0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	278	F1	5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: DUP_033122 — Lab Sample ID: 480-196346-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	3900		44	11	ug/L	11		RSK-175	Total/NA
Iron	1.8		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	11.3		10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	0.89		0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	0.19	H H3	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.042	J H H3	0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	276		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-22S_033122 — Lab Sample ID: 480-196346-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.23		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	45.7		4.0	0.70	mg/L	2		300.0	Total/NA
Nitrate as N	6.5	H	0.050	0.020	mg/L	1		353.2	Total/NA
Cyanide, Total	0.43		0.010	0.0050	mg/L	1		9012B	Total/NA
Alkalinity, Total	218		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-31S_033122 — Lab Sample ID: 480-196346-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	79		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.18		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	17.7		4.0	0.70	mg/L	2		300.0	Total/NA
Ammonia	0.018	J	0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	0.35	H	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.026	J H	0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	265		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-48S_033122 — Lab Sample ID: 480-196346-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	67		4.0	1.6	ug/L	4		8260C	Total/NA
Ethylbenzene	57		4.0	3.0	ug/L	4		8260C	Total/NA
m-Xylene & p-Xylene	6.2	J	8.0	2.6	ug/L	4		8260C	Total/NA
o-Xylene	22		4.0	3.0	ug/L	4		8260C	Total/NA
Total BTEX	150		8.0	4.0	ug/L	4		8260C	Total/NA
Xylenes, Total	28		8.0	2.6	ug/L	4		8260C	Total/NA
Acenaphthene	31		0.50	0.30	ug/L	1		8270D_LL_PAH	Total/NA
Acenaphthylene	0.97		0.50	0.34	ug/L	1		8270D_LL_PAH	Total/NA
Anthracene	1.2		0.50	0.39	ug/L	1		8270D_LL_PAH	Total/NA
Fluoranthene	0.57		0.50	0.36	ug/L	1		8270D_LL_PAH	Total/NA
Fluorene	3.0		0.50	0.37	ug/L	1		8270D_LL_PAH	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: MW-48S_033122 (Continued) — Lab Sample ID: 480-196346-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	32		0.50	0.42	ug/L	1		8270D_LL_PAH	Total/NA
Phenanthrene	3.8		0.50	0.38	ug/L	1		8270D_LL_PAH	Total/NA
Pyrene	0.65		0.50	0.36	ug/L	1		8270D_LL_PAH	Total/NA
Methane	4600		88	22	ug/L	22		RSK-175	Total/NA
Iron	4.8		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	5.1	J	20.0	3.5	mg/L	10		300.0	Total/NA
Ammonia	2.5		0.040	0.018	mg/L	2		350.1	Total/NA
Nitrate as N	0.041	J H	0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	373		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-23S_033122 — Lab Sample ID: 480-196346-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	8.7		4.0	3.0	ug/L	4		8260C	Total/NA
o-Xylene	7.9		4.0	3.0	ug/L	4		8260C	Total/NA
Total BTEX	17		8.0	4.0	ug/L	4		8260C	Total/NA
Xylenes, Total	7.9	J	8.0	2.6	ug/L	4		8260C	Total/NA
Acenaphthene	55		0.50	0.30	ug/L	1		8270D_LL_PAH	Total/NA
Acenaphthylene	0.96		0.50	0.34	ug/L	1		8270D_LL_PAH	Total/NA
Anthracene	2.4		0.50	0.39	ug/L	1		8270D_LL_PAH	Total/NA
Fluoranthene	1.6		0.50	0.36	ug/L	1		8270D_LL_PAH	Total/NA
Fluorene	13		0.50	0.37	ug/L	1		8270D_LL_PAH	Total/NA
Phenanthrene	3.0		0.50	0.38	ug/L	1		8270D_LL_PAH	Total/NA
Pyrene	2.2		0.50	0.36	ug/L	1		8270D_LL_PAH	Total/NA
Benzo[a]anthracene	0.084		0.050	0.016	ug/L	1		8270E SIM	Total/NA
Benzo[a]pyrene	0.048	J	0.050	0.022	ug/L	1		8270E SIM	Total/NA
Benzo[b]fluoranthene	0.051		0.050	0.024	ug/L	1		8270E SIM	Total/NA
Benzo[g,h,i]perylene	0.055		0.050	0.035	ug/L	1		8270E SIM	Total/NA
Benzo[k]fluoranthene	0.048	J	0.050	0.028	ug/L	1		8270E SIM	Total/NA
Dibenz(a,h)anthracene	0.055		0.050	0.020	ug/L	1		8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.072		0.050	0.036	ug/L	1		8270E SIM	Total/NA
Methane	4100		44	11	ug/L	11		RSK-175	Total/NA
Iron	2.5		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	6.5	J	10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	1.1		0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate as N	0.10	H	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.028	J H	0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	243		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-47S_033122 — Lab Sample ID: 480-196346-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.75		0.50	0.30	ug/L	1		8270D_LL_PAH	Total/NA
Benzo[a]anthracene	0.036	J	0.050	0.016	ug/L	1		8270E SIM	Total/NA
Benzo[a]pyrene	0.049	J	0.050	0.022	ug/L	1		8270E SIM	Total/NA
Benzo[b]fluoranthene	0.054		0.050	0.024	ug/L	1		8270E SIM	Total/NA
Benzo[g,h,i]perylene	0.045	J	0.050	0.035	ug/L	1		8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.046	J	0.050	0.036	ug/L	1		8270E SIM	Total/NA
Methane	10000		350	88	ug/L	88		RSK-175	Total/NA
Iron	50.6		0.050	0.019	mg/L	1		6010C	Total/NA
Sulfate	5.3	J	10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	5.6		0.10	0.045	mg/L	5		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-47S_033122 (Continued)
Lab Sample ID: 480-196346-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	5.1	H	0.050	0.020	mg/L	1		353.2	Total/NA
Alkalinity, Total	263		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: TB_033122
Lab Sample ID: 480-196346-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-28S_033122
Lab Sample ID: 480-196346-1
Date Collected: 03/31/22 09:15
Matrix: Water
Date Received: 04/02/22 10:00

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			04/05/22 20:25	1
Bromoform	ND		1.0	0.26	ug/L			04/05/22 20:25	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/05/22 20:25	1
Chloroform	ND		1.0	0.34	ug/L			04/05/22 20:25	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/05/22 20:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/05/22 20:25	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/05/22 20:25	1
o-Xylene	ND		1.0	0.76	ug/L			04/05/22 20:25	1
Toluene	ND		1.0	0.51	ug/L			04/05/22 20:25	1
Total BTEX	ND		2.0	1.0	ug/L			04/05/22 20:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/05/22 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/05/22 20:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/05/22 20:25*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/05/22 20:25*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/05/22 20:25*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 15:46	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 15:46	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 15:46	1
Chrysene	ND	F1	0.50	0.32	ug/L		04/04/22 15:00	04/05/22 15:46	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 15:46	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 15:46	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 15:46	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 15:46	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*104*		*48 - 120*	*04/04/22 15:00*	*04/05/22 15:46*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*04/04/22 15:00*	*04/05/22 15:46*	*1*
p-Terphenyl-d14	*73*		*24 - 136*	*04/04/22 15:00*	*04/05/22 15:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/07/22 07:34	04/07/22 20:09	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/07/22 07:34	04/07/22 20:09	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/07/22 07:34	04/07/22 20:09	1
Benzo[g,h,i]perylene	ND	F1	0.050	0.035	ug/L		04/07/22 07:34	04/07/22 20:09	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/07/22 07:34	04/07/22 20:09	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/07/22 07:34	04/07/22 20:09	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/07/22 07:34	04/07/22 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*25 - 131*	*04/07/22 07:34*	*04/07/22 20:09*	*1*
Nitrobenzene-d5	*84*		*54 - 134*	*04/07/22 07:34*	*04/07/22 20:09*	*1*

Client Sample ID: MW-28S_033122
Lab Sample ID: 480-196346-1
Date Collected: 03/31/22 09:15
Matrix: Water
Date Received: 04/02/22 10:00

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**2800**		44	11	ug/L			04/05/22 16:37	11

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.9**		0.050	0.019	mg/L		04/04/22 09:24	04/04/22 20:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**5.9**	**J**	10.0	1.7	mg/L			04/05/22 05:07	5
Ammonia	**0.94**		0.020	0.0090	mg/L			04/11/22 09:18	1
Nitrate as N	**0.25**	**H H3**	0.050	0.020	mg/L			04/02/22 17:24	1
Nitrite as N	**0.049**	**J H H3**	0.050	0.020	mg/L			04/02/22 21:36	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/06/22 10:04	04/06/22 14:38	1
Alkalinity, Total	**278**	**F1**	5.0	0.79	mg/L			04/12/22 17:11	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: DUP_033122
Lab Sample ID: 480-196346-2
Date Collected: 03/31/22 09:20
Matrix: Water
Date Received: 04/02/22 10:00

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			04/06/22 12:37	1
Bromoform	ND		1.0	0.26	ug/L			04/06/22 12:37	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/06/22 12:37	1
Chloroform	ND		1.0	0.34	ug/L			04/06/22 12:37	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/06/22 12:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/06/22 12:37	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/06/22 12:37	1
o-Xylene	ND		1.0	0.76	ug/L			04/06/22 12:37	1
Toluene	ND		1.0	0.51	ug/L			04/06/22 12:37	1
Total BTEX	ND		2.0	1.0	ug/L			04/06/22 12:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/06/22 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*04/06/22 12:37*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/06/22 12:37*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*04/06/22 12:37*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/06/22 12:37*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 21:20	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 21:20	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 21:20	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 21:20	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 21:20	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 21:20	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 21:20	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 21:20	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 21:20	1

Client Sample ID: DUP_033122
Lab Sample ID: 480-196346-2
Date Collected: 03/31/22 09:20
Matrix: Water
Date Received: 04/02/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*113*		*48 - 120*	*04/04/22 15:00*	*04/05/22 21:20*	*1*
Nitrobenzene-d5	*101*		*46 - 120*	*04/04/22 15:00*	*04/05/22 21:20*	*1*
p-Terphenyl-d14	*73*		*24 - 136*	*04/04/22 15:00*	*04/05/22 21:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/07/22 07:34	04/07/22 21:12	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/07/22 07:34	04/07/22 21:12	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/07/22 07:34	04/07/22 21:12	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/07/22 07:34	04/07/22 21:12	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/07/22 07:34	04/07/22 21:12	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/07/22 07:34	04/07/22 21:12	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/07/22 07:34	04/07/22 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*118*		*25 - 131*	*04/07/22 07:34*	*04/07/22 21:12*	*1*
Nitrobenzene-d5	*92*		*54 - 134*	*04/07/22 07:34*	*04/07/22 21:12*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**3900**		44	11	ug/L			04/05/22 21:39	11

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.8**		0.050	0.019	mg/L		04/04/22 09:24	04/04/22 20:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**11.3**		10.0	1.7	mg/L			04/05/22 08:23	5
Ammonia	**0.89**		0.020	0.0090	mg/L			04/11/22 09:22	1
Nitrate as N	**0.19**	**H H3**	0.050	0.020	mg/L			04/02/22 17:10	1
Nitrite as N	**0.042**	**J H H3**	0.050	0.020	mg/L			04/02/22 21:14	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/06/22 10:04	04/06/22 14:43	1
Alkalinity, Total	**276**		5.0	0.79	mg/L			04/12/22 17:27	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-22S_033122
Lab Sample ID: 480-196346-3
Date Collected: 03/31/22 10:10
Matrix: Water
Date Received: 04/02/22 10:00

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			04/06/22 13:00	1
Bromoform	ND		1.0	0.26	ug/L			04/06/22 13:00	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/06/22 13:00	1
Chloroform	ND		1.0	0.34	ug/L			04/06/22 13:00	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/06/22 13:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/06/22 13:00	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/06/22 13:00	1
o-Xylene	ND		1.0	0.76	ug/L			04/06/22 13:00	1
Toluene	ND		1.0	0.51	ug/L			04/06/22 13:00	1
Total BTEX	ND		2.0	1.0	ug/L			04/06/22 13:00	1

Client Sample ID: MW-22S_033122
Lab Sample ID: 480-196346-3
Date Collected: 03/31/22 10:10
Matrix: Water
Date Received: 04/02/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			04/06/22 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/06/22 13:00*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/06/22 13:00*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/06/22 13:00*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/06/22 13:00*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 19:01	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 19:01	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 19:01	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 19:01	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 19:01	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 19:01	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 19:01	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 19:01	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*109*		*48 - 120*	*04/04/22 15:00*	*04/05/22 19:01*	*1*
Nitrobenzene-d5	*101*		*46 - 120*	*04/04/22 15:00*	*04/05/22 19:01*	*1*
p-Terphenyl-d14	*73*		*24 - 136*	*04/04/22 15:00*	*04/05/22 19:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/07/22 07:34	04/07/22 21:33	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/07/22 07:34	04/07/22 21:33	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/07/22 07:34	04/07/22 21:33	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/07/22 07:34	04/07/22 21:33	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/07/22 07:34	04/07/22 21:33	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/07/22 07:34	04/07/22 21:33	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/07/22 07:34	04/07/22 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*112*		*25 - 131*	*04/07/22 07:34*	*04/07/22 21:33*	*1*
Nitrobenzene-d5	*96*		*54 - 134*	*04/07/22 07:34*	*04/07/22 21:33*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			04/05/22 21:58	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.23**		0.050	0.019	mg/L		04/04/22 09:24	04/04/22 20:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**45.7**		4.0	0.70	mg/L			04/05/22 08:43	2
Ammonia	ND		0.020	0.0090	mg/L			04/11/22 09:23	1

Client Sample ID: MW-22S_033122
Lab Sample ID: 480-196346-3
Date Collected: 03/31/22 10:10
Matrix: Water
Date Received: 04/02/22 10:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**6.5**	**H**	0.050	0.020	mg/L			04/02/22 17:11	1
Nitrite as N	ND	H	0.050	0.020	mg/L			04/02/22 21:15	1
Cyanide, Total	**0.43**		0.010	0.0050	mg/L		04/06/22 10:04	04/06/22 14:44	1
Alkalinity, Total	**218**		5.0	0.79	mg/L			04/12/22 17:54	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-31S_033122
Lab Sample ID: 480-196346-4
Date Collected: 03/31/22 12:15
Matrix: Water
Date Received: 04/02/22 10:00

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			04/06/22 13:23	1
Bromoform	ND		1.0	0.26	ug/L			04/06/22 13:23	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/06/22 13:23	1
Chloroform	ND		1.0	0.34	ug/L			04/06/22 13:23	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/06/22 13:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/06/22 13:23	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/06/22 13:23	1
o-Xylene	ND		1.0	0.76	ug/L			04/06/22 13:23	1
Toluene	ND		1.0	0.51	ug/L			04/06/22 13:23	1
Total BTEX	ND		2.0	1.0	ug/L			04/06/22 13:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/06/22 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/06/22 13:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/06/22 13:23*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*04/06/22 13:23*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/06/22 13:23*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 19:29	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 19:29	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 19:29	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 19:29	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 19:29	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 19:29	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 19:29	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 19:29	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*48 - 120*	*04/04/22 15:00*	*04/05/22 19:29*	*1*
Nitrobenzene-d5	*92*		*46 - 120*	*04/04/22 15:00*	*04/05/22 19:29*	*1*
p-Terphenyl-d14	*62*		*24 - 136*	*04/04/22 15:00*	*04/05/22 19:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/07/22 07:34	04/07/22 21:54	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/07/22 07:34	04/07/22 21:54	1

Client Sample ID: MW-31S_033122
Lab Sample ID: 480-196346-4

Date Collected: 03/31/22 12:15
Matrix: Water
Date Received: 04/02/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/07/22 07:34	04/07/22 21:54	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/07/22 07:34	04/07/22 21:54	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/07/22 07:34	04/07/22 21:54	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/07/22 07:34	04/07/22 21:54	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/07/22 07:34	04/07/22 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*120*		*25 - 131*	*04/07/22 07:34*	*04/07/22 21:54*	*1*
Nitrobenzene-d5	*94*		*54 - 134*	*04/07/22 07:34*	*04/07/22 21:54*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**79**		4.0	1.0	ug/L			04/05/22 22:17	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.18**		0.050	0.019	mg/L		04/04/22 09:24	04/04/22 20:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**17.7**		4.0	0.70	mg/L			04/05/22 09:02	2
Ammonia	**0.018**	**J**	0.020	0.0090	mg/L			04/11/22 09:24	1
Nitrate as N	**0.35**	**H**	0.050	0.020	mg/L			04/02/22 17:13	1
Nitrite as N	**0.026**	**J H**	0.050	0.020	mg/L			04/02/22 21:19	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/06/22 10:04	04/06/22 14:46	1
Alkalinity, Total	**265**		5.0	0.79	mg/L			04/12/22 20:44	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-48S_033122
Lab Sample ID: 480-196346-5

Date Collected: 03/31/22 12:45
Matrix: Water
Date Received: 04/02/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**67**		4.0	1.6	ug/L			04/06/22 13:46	4
Bromoform	ND		4.0	1.0	ug/L			04/06/22 13:46	4
Chlorodibromomethane	ND		4.0	1.3	ug/L			04/06/22 13:46	4
Chloroform	ND		4.0	1.4	ug/L			04/06/22 13:46	4
Dichlorobromomethane	ND		4.0	1.6	ug/L			04/06/22 13:46	4
Ethylbenzene	**57**		4.0	3.0	ug/L			04/06/22 13:46	4
m-Xylene & p-Xylene	**6.2**	**J**	8.0	2.6	ug/L			04/06/22 13:46	4
o-Xylene	**22**		4.0	3.0	ug/L			04/06/22 13:46	4
Toluene	ND		4.0	2.0	ug/L			04/06/22 13:46	4
Total BTEX	**150**		8.0	4.0	ug/L			04/06/22 13:46	4
Xylenes, Total	**28**		8.0	2.6	ug/L			04/06/22 13:46	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/06/22 13:46*	*4*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/06/22 13:46*	*4*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*04/06/22 13:46*	*4*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/06/22 13:46*	*4*

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-48S_033122
Lab Sample ID: 480-196346-5
Date Collected: 03/31/22 12:45
Matrix: Water
Date Received: 04/02/22 10:00

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**31**		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 19:57	1
Acenaphthylene	**0.97**		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 19:57	1
Anthracene	**1.2**		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 19:57	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 19:57	1
Fluoranthene	**0.57**		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 19:57	1
Fluorene	**3.0**		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 19:57	1
Naphthalene	**32**		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 19:57	1
Phenanthrene	**3.8**		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 19:57	1
Pyrene	**0.65**		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*100*		*48 - 120*	*04/04/22 15:00*	*04/05/22 19:57*	*1*
Nitrobenzene-d5	*91*		*46 - 120*	*04/04/22 15:00*	*04/05/22 19:57*	*1*
p-Terphenyl-d14	*68*		*24 - 136*	*04/04/22 15:00*	*04/05/22 19:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/07/22 07:34	04/07/22 22:15	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/07/22 07:34	04/07/22 22:15	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/07/22 07:34	04/07/22 22:15	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/07/22 07:34	04/07/22 22:15	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/07/22 07:34	04/07/22 22:15	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/07/22 07:34	04/07/22 22:15	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/07/22 07:34	04/07/22 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*100*		*25 - 131*	*04/07/22 07:34*	*04/07/22 22:15*	*1*
Nitrobenzene-d5	*84*		*54 - 134*	*04/07/22 07:34*	*04/07/22 22:15*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4600**		88	22	ug/L			04/05/22 22:36	22

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**4.8**		0.050	0.019	mg/L		04/04/22 09:24	04/04/22 21:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**5.1**	**J**	20.0	3.5	mg/L			04/05/22 09:22	10
Ammonia	**2.5**		0.040	0.018	mg/L			04/11/22 11:22	2
Nitrate as N	**0.041**	**J H**	0.050	0.020	mg/L			04/02/22 17:14	1
Nitrite as N	ND	H	0.050	0.020	mg/L			04/02/22 17:14	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/06/22 10:04	04/06/22 14:51	1
Alkalinity, Total	**373**		5.0	0.79	mg/L			04/12/22 20:50	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-23S_033122
Lab Sample ID: 480-196346-6
Date Collected: 03/31/22 14:15
Matrix: Water
Date Received: 04/02/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.0	1.6	ug/L			04/06/22 14:09	4
Bromoform	ND		4.0	1.0	ug/L			04/06/22 14:09	4
Chlorodibromomethane	ND		4.0	1.3	ug/L			04/06/22 14:09	4
Chloroform	ND		4.0	1.4	ug/L			04/06/22 14:09	4
Dichlorobromomethane	ND		4.0	1.6	ug/L			04/06/22 14:09	4
Ethylbenzene	**8.7**		4.0	3.0	ug/L			04/06/22 14:09	4
m-Xylene & p-Xylene	ND		8.0	2.6	ug/L			04/06/22 14:09	4
o-Xylene	**7.9**		4.0	3.0	ug/L			04/06/22 14:09	4
Toluene	ND		4.0	2.0	ug/L			04/06/22 14:09	4
Total BTEX	**17**		8.0	4.0	ug/L			04/06/22 14:09	4
Xylenes, Total	**7.9**	**J**	8.0	2.6	ug/L			04/06/22 14:09	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*04/06/22 14:09*	*4*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/06/22 14:09*	*4*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*04/06/22 14:09*	*4*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/06/22 14:09*	*4*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**55**		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 20:24	1
Acenaphthylene	**0.96**		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 20:24	1
Anthracene	**2.4**		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 20:24	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 20:24	1
Fluoranthene	**1.6**		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 20:24	1
Fluorene	**13**		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 20:24	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 20:24	1
Phenanthrene	**3.0**		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 20:24	1
Pyrene	**2.2**		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*106*		*48 - 120*	*04/04/22 15:00*	*04/05/22 20:24*	*1*
Nitrobenzene-d5	*97*		*46 - 120*	*04/04/22 15:00*	*04/05/22 20:24*	*1*
p-Terphenyl-d14	*72*		*24 - 136*	*04/04/22 15:00*	*04/05/22 20:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.084**		0.050	0.016	ug/L		04/07/22 07:34	04/07/22 22:36	1
Benzo[a]pyrene	**0.048**	**J**	0.050	0.022	ug/L		04/07/22 07:34	04/07/22 22:36	1
Benzo[b]fluoranthene	**0.051**		0.050	0.024	ug/L		04/07/22 07:34	04/07/22 22:36	1
Benzo[g,h,i]perylene	**0.055**		0.050	0.035	ug/L		04/07/22 07:34	04/07/22 22:36	1
Benzo[k]fluoranthene	**0.048**	**J**	0.050	0.028	ug/L		04/07/22 07:34	04/07/22 22:36	1
Dibenz(a,h)anthracene	**0.055**		0.050	0.020	ug/L		04/07/22 07:34	04/07/22 22:36	1
Indeno[1,2,3-cd]pyrene	**0.072**		0.050	0.036	ug/L		04/07/22 07:34	04/07/22 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*118*		*25 - 131*	*04/07/22 07:34*	*04/07/22 22:36*	*1*
Nitrobenzene-d5	*103*		*54 - 134*	*04/07/22 07:34*	*04/07/22 22:36*	*1*

Client Sample ID: MW-23S_033122
Lab Sample ID: 480-196346-6

Date Collected: 03/31/22 14:15
Matrix: Water
Date Received: 04/02/22 10:00

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4100**		44	11	ug/L			04/06/22 00:10	11

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.5**		0.050	0.019	mg/L		04/04/22 09:24	04/04/22 21:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**6.5**	**J**	10.0	1.7	mg/L			04/05/22 11:20	5
Ammonia	**1.1**		0.020	0.0090	mg/L			04/11/22 09:26	1
Nitrate as N	**0.10**	**H**	0.050	0.020	mg/L			04/02/22 17:16	1
Nitrite as N	**0.028**	**J H**	0.050	0.020	mg/L			04/02/22 21:22	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/06/22 10:04	04/06/22 14:53	1
Alkalinity, Total	**243**		5.0	0.79	mg/L			04/12/22 20:54	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: MW-47S_033122
Lab Sample ID: 480-196346-7

Date Collected: 03/31/22 16:15
Matrix: Water
Date Received: 04/02/22 10:00

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			04/06/22 14:32	1
Bromoform	ND		1.0	0.26	ug/L			04/06/22 14:32	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/06/22 14:32	1
Chloroform	ND		1.0	0.34	ug/L			04/06/22 14:32	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/06/22 14:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/06/22 14:32	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/06/22 14:32	1
o-Xylene	ND		1.0	0.76	ug/L			04/06/22 14:32	1
Toluene	ND		1.0	0.51	ug/L			04/06/22 14:32	1
Total BTEX	ND		2.0	1.0	ug/L			04/06/22 14:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/06/22 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*04/06/22 14:32*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/06/22 14:32*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*04/06/22 14:32*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/06/22 14:32*	*1*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.75**		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 20:52	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 20:52	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 20:52	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 20:52	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 20:52	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 20:52	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 20:52	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 20:52	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 20:52	1

Client Sample ID: MW-47S_033122
Lab Sample ID: 480-196346-7
Date Collected: 03/31/22 16:15
Matrix: Water
Date Received: 04/02/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	97		48 - 120	04/04/22 15:00	04/05/22 20:52	1
Nitrobenzene-d5	89		46 - 120	04/04/22 15:00	04/05/22 20:52	1
p-Terphenyl-d14	59		24 - 136	04/04/22 15:00	04/05/22 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.036**	**J**	0.050	0.016	ug/L		04/07/22 07:34	04/07/22 22:57	1
Benzo[a]pyrene	**0.049**	**J**	0.050	0.022	ug/L		04/07/22 07:34	04/07/22 22:57	1
Benzo[b]fluoranthene	**0.054**		0.050	0.024	ug/L		04/07/22 07:34	04/07/22 22:57	1
Benzo[g,h,i]perylene	**0.045**	**J**	0.050	0.035	ug/L		04/07/22 07:34	04/07/22 22:57	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/07/22 07:34	04/07/22 22:57	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/07/22 07:34	04/07/22 22:57	1
Indeno[1,2,3-cd]pyrene	**0.046**	**J**	0.050	0.036	ug/L		04/07/22 07:34	04/07/22 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	122		25 - 131	04/07/22 07:34	04/07/22 22:57	1
Nitrobenzene-d5	107		54 - 134	04/07/22 07:34	04/07/22 22:57	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**10000**		350	88	ug/L			04/06/22 14:29	88

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**50.6**		0.050	0.019	mg/L		04/04/22 09:24	04/04/22 21:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**5.3**	**J**	10.0	1.7	mg/L			04/05/22 11:39	5
Ammonia	**5.6**		0.10	0.045	mg/L			04/11/22 11:23	5
Nitrate as N	**5.1**	**H**	0.050	0.020	mg/L			04/02/22 17:17	1
Nitrite as N	ND	H	0.050	0.020	mg/L			04/02/22 21:25	1
Cyanide, Total	ND		0.010	0.0050	mg/L		04/06/22 10:04	04/06/22 14:54	1
Alkalinity, Total	**263**		5.0	0.79	mg/L			04/12/22 21:04	1
Ferrous Iron	ND	HF	0.10	0.075	mg/L			04/02/22 18:30	1

Client Sample ID: TB_033122
Lab Sample ID: 480-196346-8
Date Collected: 03/31/22 09:10
Matrix: Water
Date Received: 04/02/22 10:00

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			04/06/22 14:55	1
Bromoform	ND		1.0	0.26	ug/L			04/06/22 14:55	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/06/22 14:55	1
Chloroform	ND		1.0	0.34	ug/L			04/06/22 14:55	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/06/22 14:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/06/22 14:55	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/06/22 14:55	1
o-Xylene	ND		1.0	0.76	ug/L			04/06/22 14:55	1
Toluene	ND		1.0	0.51	ug/L			04/06/22 14:55	1
Total BTEX	ND		2.0	1.0	ug/L			04/06/22 14:55	1

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: TB_033122
Lab Sample ID: 480-196346-8
Date Collected: 03/31/22 09:10
Matrix: Water
Date Received: 04/02/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			04/06/22 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/06/22 14:55*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*04/06/22 14:55*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/06/22 14:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/06/22 14:55*	*1*

Surrogate Summary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-196346-1	MW-28S_033122	103	100	93	97
480-196346-1 MS	MW-28S_033122	106	103	94	101
480-196346-1 MSD	MW-28S_033122	104	98	97	98
480-196346-2	DUP_033122	109	99	96	101
480-196346-3	MW-22S_033122	104	98	93	101
480-196346-4	MW-31S_033122	106	101	94	102
480-196346-5	MW-48S_033122	105	98	94	102
480-196346-6	MW-23S_033122	110	98	98	101
480-196346-7	MW-47S_033122	108	102	95	101
480-196346-8	TB_033122	106	96	93	100
LCS 480-620415/5	Lab Control Sample	104	100	96	100
LCS 480-620593/5	Lab Control Sample	105	97	99	101
LCSD 480-620415/6	Lab Control Sample Dup	107	100	97	99
MB 480-620415/8	Method Blank	105	103	94	100
MB 480-620593/8	Method Blank	106	98	95	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(48-120)	(46-120)	(24-136)
480-196346-1	MW-28S_033122	104	95	73
480-196346-1 MS	MW-28S_033122	103	101	54
480-196346-1 MSD	MW-28S_033122	100	93	54
480-196346-2	DUP_033122	113	101	73
480-196346-3	MW-22S_033122	109	101	73
480-196346-4	MW-31S_033122	101	92	62
480-196346-5	MW-48S_033122	100	91	68
480-196346-6	MW-23S_033122	106	97	72
480-196346-7	MW-47S_033122	97	89	59
LCS 480-620363/2-A	Lab Control Sample	99	104	95
MB 480-620363/1-A	Method Blank	95	88	91

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14

Surrogate Summary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		FBP	NBZ								
Lab Sample ID	Client Sample ID	(25-131)	(54-134)								
480-196346-1	MW-28S_033122	93	84								
480-196346-1 MS	MW-28S_033122	116	89								
480-196346-1 MSD	MW-28S_033122	122	91								
480-196346-2	DUP_033122	118	92								
480-196346-3	MW-22S_033122	112	96								
480-196346-4	MW-31S_033122	120	94								
480-196346-5	MW-48S_033122	100	84								
480-196346-6	MW-23S_033122	118	103								
480-196346-7	MW-47S_033122	122	107								
LCS 460-837617/2-A	Lab Control Sample	85	96								
LCSD 460-837617/3-A	Lab Control Sample Dup	89	97								
MB 460-837617/1-A	Method Blank	84	97								

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

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

Lab Sample ID: MB 480-620415/8
Matrix: Water
Analysis Batch: 620415

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/05/22 12:36	1
Bromoform	ND		1.0	0.26	ug/L			04/05/22 12:36	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/05/22 12:36	1
Chloroform	ND		1.0	0.34	ug/L			04/05/22 12:36	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/05/22 12:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/05/22 12:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/05/22 12:36	1
o-Xylene	ND		1.0	0.76	ug/L			04/05/22 12:36	1
Toluene	ND		1.0	0.51	ug/L			04/05/22 12:36	1
Total BTEX	ND		2.0	1.0	ug/L			04/05/22 12:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/05/22 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/05/22 12:36*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*04/05/22 12:36*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*04/05/22 12:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/05/22 12:36*	*1*

Lab Sample ID: LCS 480-620415/5
Matrix: Water
Analysis Batch: 620415

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromoform	25.0	26.4		ug/L		106	61 - 132
Chlorodibromomethane	25.0	26.9		ug/L		108	75 - 125
Chloroform	25.0	24.6		ug/L		98	73 - 127
Dichlorobromomethane	25.0	27.1		ug/L		108	80 - 122
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
m-Xylene & p-Xylene	25.0	25.8		ug/L		103	76 - 122
o-Xylene	25.0	24.7		ug/L		99	76 - 122
Toluene	25.0	25.4		ug/L		102	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 480-620415/6
Matrix: Water
Analysis Batch: 620415

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	25.0	23.8		ug/L		95	71 - 124	4	13
Bromoform	25.0	26.8		ug/L		107	61 - 132	2	15
Chlorodibromomethane	25.0	26.6		ug/L		106	75 - 125	1	15
Chloroform	25.0	24.3		ug/L		97	73 - 127	1	20

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

Lab Sample ID: LCSD 480-620415/6
Matrix: Water
Analysis Batch: 620415

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorobromomethane			25.0	27.9		ug/L		111	80 - 122	3	15
Ethylbenzene			25.0	25.4		ug/L		102	77 - 123	5	15
m-Xylene & p-Xylene			25.0	24.5		ug/L		98	76 - 122	5	16
o-Xylene			25.0	23.9		ug/L		96	76 - 122	3	16
Toluene			25.0	24.4		ug/L		98	80 - 122	4	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 620415

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		25.0	23.0		ug/L		92	71 - 124		
Bromoform	ND		25.0	22.6		ug/L		91	61 - 132		
Chlorodibromomethane	ND		25.0	23.5		ug/L		94	75 - 125		
Chloroform	ND		25.0	21.7		ug/L		87	73 - 127		
Dichlorobromomethane	ND		25.0	25.0		ug/L		100	80 - 122		
Ethylbenzene	ND		25.0	24.6		ug/L		98	77 - 123		
m-Xylene & p-Xylene	ND		25.0	23.4		ug/L		94	76 - 122		
o-Xylene	ND		25.0	22.6		ug/L		90	76 - 122		
Toluene	ND		25.0	23.5		ug/L		94	80 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 620415

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	22.9		ug/L		92	71 - 124	0	13
Bromoform	ND		25.0	23.2		ug/L		93	61 - 132	2	15
Chlorodibromomethane	ND		25.0	23.2		ug/L		93	75 - 125	1	15
Chloroform	ND		25.0	21.6		ug/L		86	73 - 127	0	20
Dichlorobromomethane	ND		25.0	25.3		ug/L		101	80 - 122	1	15
Ethylbenzene	ND		25.0	24.5		ug/L		98	77 - 123	0	15
m-Xylene & p-Xylene	ND		25.0	22.9		ug/L		92	76 - 122	2	16
o-Xylene	ND		25.0	22.0		ug/L		88	76 - 122	3	16
Toluene	ND		25.0	22.7		ug/L		91	80 - 122	3	15

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

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 620415

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 480-620593/8
Matrix: Water
Analysis Batch: 620593

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/06/22 12:00	1
Bromoform	ND		1.0	0.26	ug/L			04/06/22 12:00	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/06/22 12:00	1
Chloroform	ND		1.0	0.34	ug/L			04/06/22 12:00	1
Dichlorobromomethane	ND		1.0	0.39	ug/L			04/06/22 12:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/06/22 12:00	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/06/22 12:00	1
o-Xylene	ND		1.0	0.76	ug/L			04/06/22 12:00	1
Toluene	ND		1.0	0.51	ug/L			04/06/22 12:00	1
Total BTEX	ND		2.0	1.0	ug/L			04/06/22 12:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/06/22 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/06/22 12:00*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/06/22 12:00*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*04/06/22 12:00*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/06/22 12:00*	*1*

Lab Sample ID: LCS 480-620593/5
Matrix: Water
Analysis Batch: 620593

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	24.5		ug/L		98	71 - 124
Bromoform	25.0	24.9		ug/L		99	61 - 132
Chlorodibromomethane	25.0	26.2		ug/L		105	75 - 125
Chloroform	25.0	25.1		ug/L		100	73 - 127
Dichlorobromomethane	25.0	27.0		ug/L		108	80 - 122
Ethylbenzene	25.0	25.8		ug/L		103	77 - 123
m-Xylene & p-Xylene	25.0	24.8		ug/L		99	76 - 122
o-Xylene	25.0	24.8		ug/L		99	76 - 122
Toluene	25.0	24.6		ug/L		98	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 480-620363/1-A
Matrix: Water
Analysis Batch: 620427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.30	ug/L		04/04/22 15:00	04/05/22 13:54	1
Acenaphthylene	ND		0.50	0.34	ug/L		04/04/22 15:00	04/05/22 13:54	1
Anthracene	ND		0.50	0.39	ug/L		04/04/22 15:00	04/05/22 13:54	1
Chrysene	ND		0.50	0.32	ug/L		04/04/22 15:00	04/05/22 13:54	1
Fluoranthene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 13:54	1
Fluorene	ND		0.50	0.37	ug/L		04/04/22 15:00	04/05/22 13:54	1
Naphthalene	ND		0.50	0.42	ug/L		04/04/22 15:00	04/05/22 13:54	1
Phenanthrene	ND		0.50	0.38	ug/L		04/04/22 15:00	04/05/22 13:54	1
Pyrene	ND		0.50	0.36	ug/L		04/04/22 15:00	04/05/22 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*48 - 120*	*04/04/22 15:00*	*04/05/22 13:54*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*04/04/22 15:00*	*04/05/22 13:54*	*1*
p-Terphenyl-d14	*91*		*24 - 136*	*04/04/22 15:00*	*04/05/22 13:54*	*1*

Lab Sample ID: LCS 480-620363/2-A
Matrix: Water
Analysis Batch: 620427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620363

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene			32.0	32.0		ug/L		100	60 - 120		
Acenaphthylene			32.0	31.4		ug/L		98	63 - 120		
Anthracene			32.0	35.2		ug/L		110	69 - 131		
Chrysene			32.0	30.6		ug/L		96	69 - 140		
Fluoranthene			32.0	37.1		ug/L		116	67 - 133		
Fluorene			32.0	34.7		ug/L		108	66 - 129		
Naphthalene			32.0	30.4		ug/L		95	48 - 120		
Phenanthrene			32.0	34.5		ug/L		108	67 - 130		
Pyrene			32.0	35.4		ug/L		111	58 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*48 - 120*
Nitrobenzene-d5	*104*		*46 - 120*
p-Terphenyl-d14	*95*		*24 - 136*

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 620427

Client Sample ID: MW-28S_033122
Prep Type: Total/NA
Prep Batch: 620363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		32.0	32.5		ug/L		102	60 - 120		
Acenaphthylene	ND		32.0	31.5		ug/L		99	63 - 120		
Anthracene	ND		32.0	34.2		ug/L		107	69 - 131		
Chrysene	ND	F1	32.0	20.5	F1	ug/L		64	69 - 140		
Fluoranthene	ND		32.0	35.1		ug/L		110	67 - 133		
Fluorene	ND		32.0	34.3		ug/L		107	66 - 129		
Naphthalene	ND		32.0	32.0		ug/L		100	48 - 120		
Phenanthrene	ND		32.0	32.5		ug/L		102	67 - 130		

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 620427

Client Sample ID: MW-28S_033122
Prep Type: Total/NA
Prep Batch: 620363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	ND		32.0	33.8		ug/L		106	58 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*103*		*48 - 120*
Nitrobenzene-d5	*101*		*46 - 120*
p-Terphenyl-d14	*54*		*24 - 136*

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 620427

Client Sample ID: MW-28S_033122
Prep Type: Total/NA
Prep Batch: 620363

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		32.0	31.4		ug/L		98	60 - 120	4	24
Acenaphthylene	ND		32.0	31.0		ug/L		97	63 - 120	2	18
Anthracene	ND		32.0	32.8		ug/L		103	69 - 131	4	15
Chrysene	ND	F1	32.0	20.0	F1	ug/L		62	69 - 140	2	15
Fluoranthene	ND		32.0	33.4		ug/L		104	67 - 133	5	15
Fluorene	ND		32.0	33.5		ug/L		105	66 - 129	3	15
Naphthalene	ND		32.0	29.9		ug/L		93	48 - 120	7	29
Phenanthrene	ND		32.0	31.6		ug/L		99	67 - 130	3	15
Pyrene	ND		32.0	32.2		ug/L		101	58 - 136	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*100*		*48 - 120*
Nitrobenzene-d5	*93*		*46 - 120*
p-Terphenyl-d14	*54*		*24 - 136*

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

Lab Sample ID: MB 460-837617/1-A
Matrix: Water
Analysis Batch: 837695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/06/22 09:56	04/06/22 17:47	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/06/22 09:56	04/06/22 17:47	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/06/22 09:56	04/06/22 17:47	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/06/22 09:56	04/06/22 17:47	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/06/22 09:56	04/06/22 17:47	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/06/22 09:56	04/06/22 17:47	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/06/22 09:56	04/06/22 17:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*25 - 131*	*04/06/22 09:56*	*04/06/22 17:47*	*1*
Nitrobenzene-d5	*97*		*54 - 134*	*04/06/22 09:56*	*04/06/22 17:47*	*1*

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

Lab Sample ID: LCS 460-837617/2-A
Matrix: Water
Analysis Batch: 837695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 837617

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			2.00	1.44		ug/L		72	52 - 143		
Benzo[a]pyrene			2.00	1.37		ug/L		68	43 - 150		
Benzo[b]fluoranthene			2.00	1.27		ug/L		64	46 - 150		
Benzo[g,h,i]perylene			2.00	1.03		ug/L		52	51 - 150		
Benzo[k]fluoranthene			2.00	1.11		ug/L		56	44 - 150		
Dibenz(a,h)anthracene			2.00	1.05		ug/L		52	48 - 150		
Indeno[1,2,3-cd]pyrene			2.00	0.920		ug/L		46	44 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*25 - 131*
Nitrobenzene-d5	*96*		*54 - 134*

Lab Sample ID: LCSD 460-837617/3-A
Matrix: Water
Analysis Batch: 837695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 837617

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene			2.00	1.46		ug/L		73	52 - 143	2	30
Benzo[a]pyrene			2.00	1.38		ug/L		69	43 - 150	1	30
Benzo[b]fluoranthene			2.00	1.32		ug/L		66	46 - 150	4	30
Benzo[g,h,i]perylene			2.00	1.02		ug/L		51	51 - 150	2	30
Benzo[k]fluoranthene			2.00	1.11		ug/L		56	44 - 150	0	30
Dibenz(a,h)anthracene			2.00	1.01		ug/L		51	48 - 150	3	30
Indeno[1,2,3-cd]pyrene			2.00	0.919		ug/L		46	44 - 150	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*25 - 131*
Nitrobenzene-d5	*97*		*54 - 134*

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 837946

Client Sample ID: MW-28S_033122
Prep Type: Total/NA
Prep Batch: 837617

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene	ND		2.00	1.41		ug/L		71	52 - 143		
Benzo[a]pyrene	ND		2.00	1.44		ug/L		72	43 - 150		
Benzo[b]fluoranthene	ND		2.00	1.31		ug/L		66	46 - 150		
Benzo[g,h,i]perylene	ND	F1	2.00	1.28		ug/L		64	51 - 150		
Benzo[k]fluoranthene	ND		2.00	1.20		ug/L		60	44 - 150		
Dibenz(a,h)anthracene	ND		2.00	1.24		ug/L		62	48 - 150		
Indeno[1,2,3-cd]pyrene	ND		2.00	1.18		ug/L		59	44 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*116*		*25 - 131*
Nitrobenzene-d5	*89*		*54 - 134*

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

Lab Sample ID: 480-196346-1 MSD — **Client Sample ID: MW-28S_033122**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 837946 — **Prep Batch: 837617**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene	ND		2.00	1.18		ug/L		59	52 - 143	18	30
Benzo[a]pyrene	ND		2.00	1.19		ug/L		59	43 - 150	19	30
Benzo[b]fluoranthene	ND		2.00	1.05		ug/L		53	46 - 150	22	30
Benzo[g,h,i]perylene	ND	F1	2.00	0.994	F1	ug/L		50	51 - 150	25	30
Benzo[k]fluoranthene	ND		2.00	0.951		ug/L		48	44 - 150	23	30
Dibenz(a,h)anthracene	ND		2.00	1.01		ug/L		50	48 - 150	21	30
Indeno[1,2,3-cd]pyrene	ND		2.00	0.936		ug/L		47	44 - 150	23	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*122*		*25 - 131*
Nitrobenzene-d5	*91*		*54 - 134*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-620530/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 620530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			04/05/22 23:14	1

Lab Sample ID: MB 480-620530/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 620530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			04/05/22 15:30	1

Lab Sample ID: LCS 480-620530/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 620530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.4	17.2		ug/L		88	85 - 120

Lab Sample ID: LCS 480-620530/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 620530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.4	18.5		ug/L		96	85 - 120

Lab Sample ID: LCSD 480-620530/29 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 620530

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane	19.4	17.2		ug/L		89	85 - 120	1	50

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 620530

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane	2800		213	4200	4	ug/L		675	38 - 150		

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 620530

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane	2800		213	3470	4	ug/L		335	38 - 150	19	50

Lab Sample ID: MB 480-620663/3
Matrix: Water
Analysis Batch: 620663

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			04/06/22 13:32	1

Lab Sample ID: LCS 480-620663/4
Matrix: Water
Analysis Batch: 620663

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane			19.4	18.7		ug/L		96	85 - 120		

Lab Sample ID: LCSD 480-620663/5
Matrix: Water
Analysis Batch: 620663

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane			19.4	18.9		ug/L		97	85 - 120	1	50

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-620185/1-A
Matrix: Water
Analysis Batch: 620463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/04/22 09:24	04/04/22 20:15	1

Lab Sample ID: LCS 480-620185/2-A
Matrix: Water
Analysis Batch: 620463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620185

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron			10.0	10.09		mg/L		101	80 - 120		

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 620463

Client Sample ID: MW-28S_033122
Prep Type: Total/NA
Prep Batch: 620185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	1.9		10.0	11.65		mg/L		97	75 - 125

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 620463

Client Sample ID: MW-28S_033122
Prep Type: Total/NA
Prep Batch: 620185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	1.9		10.0	11.60		mg/L		97	75 - 125	0	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-620336/28
Matrix: Water
Analysis Batch: 620336

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			04/05/22 02:50	1

Lab Sample ID: MB 480-620336/52
Matrix: Water
Analysis Batch: 620336

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			04/05/22 10:40	1

Lab Sample ID: LCS 480-620336/29
Matrix: Water
Analysis Batch: 620336

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.0	49.80		mg/L		100	90 - 110

Lab Sample ID: LCS 480-620336/53
Matrix: Water
Analysis Batch: 620336

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.0	49.86		mg/L		100	90 - 110

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 620336

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.9	J	250	257.0		mg/L		100	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-196346-1 MSD — **Client Sample ID: MW-28S_033122**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 620336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	5.9	J	250	259.0		mg/L		101	80 - 120	1	15

Lab Sample ID: 480-196346-5 MS — **Client Sample ID: MW-48S_033122**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 620336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.1	J	500	492.9		mg/L		98	80 - 120

Lab Sample ID: 480-196346-7 MS — **Client Sample ID: MW-47S_033122**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 620336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.3	J	250	249.1		mg/L		98	80 - 120

Lab Sample ID: 480-196346-7 MSD — **Client Sample ID: MW-47S_033122**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 620336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	5.3	J	250	249.2		mg/L		98	80 - 120	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-621222/123 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 621222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			04/11/22 11:28	1

Lab Sample ID: MB 480-621222/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 621222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			04/11/22 09:16	1

Lab Sample ID: MB 480-621222/99 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 621222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			04/11/22 11:02	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 480-621222/100
Matrix: Water
Analysis Batch: 621222

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.972		mg/L		97	90 - 110

Lab Sample ID: LCS 480-621222/124
Matrix: Water
Analysis Batch: 621222

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.974		mg/L		97	90 - 110

Lab Sample ID: LCS 480-621222/4
Matrix: Water
Analysis Batch: 621222

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.969		mg/L		97	90 - 110

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 621222

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.94		0.200	1.16	4	mg/L		111	90 - 110

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 621222

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.94		0.200	1.16	4	mg/L		111	90 - 110	0	20

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-620196/27
Matrix: Water
Analysis Batch: 620196

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			04/02/22 21:03	1

Lab Sample ID: LCS 480-620196/28
Matrix: Water
Analysis Batch: 620196

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.50	1.53		mg/L		102	90 - 110

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 620196

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	0.049	J H H3	1.00	1.07	H H3	mg/L		102	90 - 110		

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 620196

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	0.049	J H H3	1.00	1.09	H H3	mg/L		104	90 - 110	2	20

Lab Sample ID: 480-196346-4 MS
Matrix: Water
Analysis Batch: 620196

Client Sample ID: MW-31S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	0.026	J H	1.00	1.05		mg/L		102	90 - 110		

Lab Sample ID: 480-196346-6 DU
Matrix: Water
Analysis Batch: 620196

Client Sample ID: MW-23S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite as N	0.028	J H	0.0278	J	mg/L		2	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-620634/1-A
Matrix: Water
Analysis Batch: 620688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		04/06/22 10:04	04/06/22 14:47	1

Lab Sample ID: LCS 480-620634/2-A
Matrix: Water
Analysis Batch: 620688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.400	0.404		mg/L		101	90 - 110		

Lab Sample ID: LCS 480-620634/3-A
Matrix: Water
Analysis Batch: 620688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.250	0.237		mg/L		95	90 - 110		

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 620688

Client Sample ID: MW-28S_033122
Prep Type: Total/NA
Prep Batch: 620634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND		0.100	0.107		mg/L		107	90 - 110

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 620688

Client Sample ID: MW-28S_033122
Prep Type: Total/NA
Prep Batch: 620634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND		0.100	0.106		mg/L		106	90 - 110	1	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 480-621477/28
Matrix: Water
Analysis Batch: 621477

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			04/12/22 17:43	1

Lab Sample ID: MB 480-621477/5
Matrix: Water
Analysis Batch: 621477

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			04/12/22 14:48	1

Lab Sample ID: LCS 480-621477/29
Matrix: Water
Analysis Batch: 621477

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	100	93.16		mg/L		93	90 - 110

Lab Sample ID: LCS 480-621477/6
Matrix: Water
Analysis Batch: 621477

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	100	92.57		mg/L		93	90 - 110

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 621477

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	278	F1	100	336.7	F1	mg/L		59	60 - 140

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 621477

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity, Total	278	F1	100	338.1		mg/L		60	60 - 140	0	20

Lab Sample ID: 480-196346-3 MS
Matrix: Water
Analysis Batch: 621477

Client Sample ID: MW-22S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	218		100	286.7		mg/L		69	60 - 140

Lab Sample ID: 480-196346-6 DU
Matrix: Water
Analysis Batch: 621477

Client Sample ID: MW-23S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total	243		241.1		mg/L		0.7	20

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 480-620195/29
Matrix: Water
Analysis Batch: 620195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.10	0.075	mg/L			04/02/22 18:30	1

Lab Sample ID: LCS 480-620195/30
Matrix: Water
Analysis Batch: 620195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	2.00	1.99		mg/L		100	90 - 110

Lab Sample ID: 480-196346-1 MS
Matrix: Water
Analysis Batch: 620195

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	ND	HF	1.00	1.02	HF	mg/L		102	70 - 130

Lab Sample ID: 480-196346-1 MSD
Matrix: Water
Analysis Batch: 620195

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ferrous Iron	ND	HF	1.00	0.996	HF	mg/L		100	70 - 130	2	20

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: 480-196346-1 DU
Matrix: Water
Analysis Batch: 620195

Client Sample ID: MW-28S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196346-2 DU
Matrix: Water
Analysis Batch: 620195

Client Sample ID: DUP_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196346-3 DU
Matrix: Water
Analysis Batch: 620195

Client Sample ID: MW-22S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196346-4 DU
Matrix: Water
Analysis Batch: 620195

Client Sample ID: MW-31S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

Lab Sample ID: 480-196346-6 DU
Matrix: Water
Analysis Batch: 620195

Client Sample ID: MW-23S_033122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	ND	HF		ND		mg/L				NC	20

QC Association Summary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

GC/MS VOA

Analysis Batch: 620415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	8260C	
MB 480-620415/8	Method Blank	Total/NA	Water	8260C	
LCS 480-620415/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-620415/6	Lab Control Sample Dup	Total/NA	Water	8260C	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	8260C	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	8260C	

Analysis Batch: 620593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-2	DUP_033122	Total/NA	Water	8260C	
480-196346-3	MW-22S_033122	Total/NA	Water	8260C	
480-196346-4	MW-31S_033122	Total/NA	Water	8260C	
480-196346-5	MW-48S_033122	Total/NA	Water	8260C	
480-196346-6	MW-23S_033122	Total/NA	Water	8260C	
480-196346-7	MW-47S_033122	Total/NA	Water	8260C	
480-196346-8	TB_033122	Total/NA	Water	8260C	
MB 480-620593/8	Method Blank	Total/NA	Water	8260C	
LCS 480-620593/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 620363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	3510C	
480-196346-2	DUP_033122	Total/NA	Water	3510C	
480-196346-3	MW-22S_033122	Total/NA	Water	3510C	
480-196346-4	MW-31S_033122	Total/NA	Water	3510C	
480-196346-5	MW-48S_033122	Total/NA	Water	3510C	
480-196346-6	MW-23S_033122	Total/NA	Water	3510C	
480-196346-7	MW-47S_033122	Total/NA	Water	3510C	
MB 480-620363/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-620363/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	3510C	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	3510C	

Analysis Batch: 620427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	8270D_LL_PAH	620363
480-196346-2	DUP_033122	Total/NA	Water	8270D_LL_PAH	620363
480-196346-3	MW-22S_033122	Total/NA	Water	8270D_LL_PAH	620363
480-196346-4	MW-31S_033122	Total/NA	Water	8270D_LL_PAH	620363
480-196346-5	MW-48S_033122	Total/NA	Water	8270D_LL_PAH	620363
480-196346-6	MW-23S_033122	Total/NA	Water	8270D_LL_PAH	620363
480-196346-7	MW-47S_033122	Total/NA	Water	8270D_LL_PAH	620363
MB 480-620363/1-A	Method Blank	Total/NA	Water	8270D_LL_PAH	620363
LCS 480-620363/2-A	Lab Control Sample	Total/NA	Water	8270D_LL_PAH	620363
480-196346-1 MS	MW-28S_033122	Total/NA	Water	8270D_LL_PAH	620363
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	8270D_LL_PAH	620363

GC/MS Semi VOA

Prep Batch: 837617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	3510C	
480-196346-2	DUP_033122	Total/NA	Water	3510C	
480-196346-3	MW-22S_033122	Total/NA	Water	3510C	
480-196346-4	MW-31S_033122	Total/NA	Water	3510C	
480-196346-5	MW-48S_033122	Total/NA	Water	3510C	
480-196346-6	MW-23S_033122	Total/NA	Water	3510C	
480-196346-7	MW-47S_033122	Total/NA	Water	3510C	
MB 460-837617/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-837617/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-837617/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	3510C	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	3510C	

Analysis Batch: 837695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-837617/1-A	Method Blank	Total/NA	Water	8270E SIM	837617
LCS 460-837617/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	837617
LCSD 460-837617/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	837617

Analysis Batch: 837946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	8270E SIM	837617
480-196346-2	DUP_033122	Total/NA	Water	8270E SIM	837617
480-196346-3	MW-22S_033122	Total/NA	Water	8270E SIM	837617
480-196346-4	MW-31S_033122	Total/NA	Water	8270E SIM	837617
480-196346-5	MW-48S_033122	Total/NA	Water	8270E SIM	837617
480-196346-6	MW-23S_033122	Total/NA	Water	8270E SIM	837617
480-196346-7	MW-47S_033122	Total/NA	Water	8270E SIM	837617
480-196346-1 MS	MW-28S_033122	Total/NA	Water	8270E SIM	837617
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	8270E SIM	837617

GC VOA

Analysis Batch: 620530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	RSK-175	
480-196346-2	DUP_033122	Total/NA	Water	RSK-175	
480-196346-3	MW-22S_033122	Total/NA	Water	RSK-175	
480-196346-4	MW-31S_033122	Total/NA	Water	RSK-175	
480-196346-5	MW-48S_033122	Total/NA	Water	RSK-175	
480-196346-6	MW-23S_033122	Total/NA	Water	RSK-175	
MB 480-620530/27	Method Blank	Total/NA	Water	RSK-175	
MB 480-620530/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-620530/28	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 480-620530/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-620530/29	Lab Control Sample Dup	Total/NA	Water	RSK-175	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	RSK-175	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	RSK-175	

QC Association Summary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

GC VOA

Analysis Batch: 620663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-7	MW-47S_033122	Total/NA	Water	RSK-175	
MB 480-620663/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-620663/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-620663/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Metals

Prep Batch: 620185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	3005A	
480-196346-2	DUP_033122	Total/NA	Water	3005A	
480-196346-3	MW-22S_033122	Total/NA	Water	3005A	
480-196346-4	MW-31S_033122	Total/NA	Water	3005A	
480-196346-5	MW-48S_033122	Total/NA	Water	3005A	
480-196346-6	MW-23S_033122	Total/NA	Water	3005A	
480-196346-7	MW-47S_033122	Total/NA	Water	3005A	
MB 480-620185/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-620185/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	3005A	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	3005A	

Analysis Batch: 620463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	6010C	620185
480-196346-2	DUP_033122	Total/NA	Water	6010C	620185
480-196346-3	MW-22S_033122	Total/NA	Water	6010C	620185
480-196346-4	MW-31S_033122	Total/NA	Water	6010C	620185
480-196346-5	MW-48S_033122	Total/NA	Water	6010C	620185
480-196346-6	MW-23S_033122	Total/NA	Water	6010C	620185
480-196346-7	MW-47S_033122	Total/NA	Water	6010C	620185
MB 480-620185/1-A	Method Blank	Total/NA	Water	6010C	620185
LCS 480-620185/2-A	Lab Control Sample	Total/NA	Water	6010C	620185
480-196346-1 MS	MW-28S_033122	Total/NA	Water	6010C	620185
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	6010C	620185

General Chemistry

Analysis Batch: 620193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	353.2	
480-196346-2	DUP_033122	Total/NA	Water	353.2	
480-196346-3	MW-22S_033122	Total/NA	Water	353.2	
480-196346-4	MW-31S_033122	Total/NA	Water	353.2	
480-196346-5	MW-48S_033122	Total/NA	Water	353.2	
480-196346-6	MW-23S_033122	Total/NA	Water	353.2	
480-196346-7	MW-47S_033122	Total/NA	Water	353.2	

Analysis Batch: 620194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-5	MW-48S_033122	Total/NA	Water	353.2	

General Chemistry

Analysis Batch: 620195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-2	DUP_033122	Total/NA	Water	SM 3500 FE D	
480-196346-3	MW-22S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-4	MW-31S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-5	MW-48S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-6	MW-23S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-7	MW-47S_033122	Total/NA	Water	SM 3500 FE D	
MB 480-620195/29	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 480-620195/30	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-1 DU	MW-28S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-2 DU	DUP_033122	Total/NA	Water	SM 3500 FE D	
480-196346-3 DU	MW-22S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-4 DU	MW-31S_033122	Total/NA	Water	SM 3500 FE D	
480-196346-6 DU	MW-23S_033122	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 620196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	353.2	
480-196346-2	DUP_033122	Total/NA	Water	353.2	
480-196346-3	MW-22S_033122	Total/NA	Water	353.2	
480-196346-4	MW-31S_033122	Total/NA	Water	353.2	
480-196346-6	MW-23S_033122	Total/NA	Water	353.2	
480-196346-7	MW-47S_033122	Total/NA	Water	353.2	
MB 480-620196/27	Method Blank	Total/NA	Water	353.2	
LCS 480-620196/28	Lab Control Sample	Total/NA	Water	353.2	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	353.2	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	353.2	
480-196346-4 MS	MW-31S_033122	Total/NA	Water	353.2	
480-196346-6 DU	MW-23S_033122	Total/NA	Water	353.2	

Analysis Batch: 620336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	300.0	
480-196346-2	DUP_033122	Total/NA	Water	300.0	
480-196346-3	MW-22S_033122	Total/NA	Water	300.0	
480-196346-4	MW-31S_033122	Total/NA	Water	300.0	
480-196346-5	MW-48S_033122	Total/NA	Water	300.0	
480-196346-6	MW-23S_033122	Total/NA	Water	300.0	
480-196346-7	MW-47S_033122	Total/NA	Water	300.0	
MB 480-620336/28	Method Blank	Total/NA	Water	300.0	
MB 480-620336/52	Method Blank	Total/NA	Water	300.0	
LCS 480-620336/29	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-620336/53	Lab Control Sample	Total/NA	Water	300.0	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	300.0	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	300.0	
480-196346-5 MS	MW-48S_033122	Total/NA	Water	300.0	
480-196346-7 MS	MW-47S_033122	Total/NA	Water	300.0	
480-196346-7 MSD	MW-47S_033122	Total/NA	Water	300.0	

General Chemistry

Prep Batch: 620634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	9012B	
480-196346-2	DUP_033122	Total/NA	Water	9012B	
480-196346-3	MW-22S_033122	Total/NA	Water	9012B	
480-196346-4	MW-31S_033122	Total/NA	Water	9012B	
480-196346-5	MW-48S_033122	Total/NA	Water	9012B	
480-196346-6	MW-23S_033122	Total/NA	Water	9012B	
480-196346-7	MW-47S_033122	Total/NA	Water	9012B	
MB 480-620634/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-620634/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-620634/3-A	Lab Control Sample	Total/NA	Water	9012B	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	9012B	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	9012B	

Analysis Batch: 620688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	9012B	620634
480-196346-2	DUP_033122	Total/NA	Water	9012B	620634
480-196346-3	MW-22S_033122	Total/NA	Water	9012B	620634
480-196346-4	MW-31S_033122	Total/NA	Water	9012B	620634
480-196346-5	MW-48S_033122	Total/NA	Water	9012B	620634
480-196346-6	MW-23S_033122	Total/NA	Water	9012B	620634
480-196346-7	MW-47S_033122	Total/NA	Water	9012B	620634
MB 480-620634/1-A	Method Blank	Total/NA	Water	9012B	620634
LCS 480-620634/2-A	Lab Control Sample	Total/NA	Water	9012B	620634
LCS 480-620634/3-A	Lab Control Sample	Total/NA	Water	9012B	620634
480-196346-1 MS	MW-28S_033122	Total/NA	Water	9012B	620634
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	9012B	620634

Analysis Batch: 621222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	350.1	
480-196346-2	DUP_033122	Total/NA	Water	350.1	
480-196346-3	MW-22S_033122	Total/NA	Water	350.1	
480-196346-4	MW-31S_033122	Total/NA	Water	350.1	
480-196346-5	MW-48S_033122	Total/NA	Water	350.1	
480-196346-6	MW-23S_033122	Total/NA	Water	350.1	
480-196346-7	MW-47S_033122	Total/NA	Water	350.1	
MB 480-621222/123	Method Blank	Total/NA	Water	350.1	
MB 480-621222/3	Method Blank	Total/NA	Water	350.1	
MB 480-621222/99	Method Blank	Total/NA	Water	350.1	
LCS 480-621222/100	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-621222/124	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-621222/4	Lab Control Sample	Total/NA	Water	350.1	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	350.1	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	350.1	

Analysis Batch: 621477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-1	MW-28S_033122	Total/NA	Water	SM 2320B	
480-196346-2	DUP_033122	Total/NA	Water	SM 2320B	
480-196346-3	MW-22S_033122	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 621477 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-196346-4	MW-31S_033122	Total/NA	Water	SM 2320B	
480-196346-5	MW-48S_033122	Total/NA	Water	SM 2320B	
480-196346-6	MW-23S_033122	Total/NA	Water	SM 2320B	
480-196346-7	MW-47S_033122	Total/NA	Water	SM 2320B	
MB 480-621477/28	Method Blank	Total/NA	Water	SM 2320B	
MB 480-621477/5	Method Blank	Total/NA	Water	SM 2320B	
LCS 480-621477/29	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 480-621477/6	Lab Control Sample	Total/NA	Water	SM 2320B	
480-196346-1 MS	MW-28S_033122	Total/NA	Water	SM 2320B	
480-196346-1 MSD	MW-28S_033122	Total/NA	Water	SM 2320B	
480-196346-3 MS	MW-22S_033122	Total/NA	Water	SM 2320B	
480-196346-6 DU	MW-23S_033122	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-28S_033122
Lab Sample ID: 480-196346-1
Date Collected: 03/31/22 09:15
Matrix: Water
Date Received: 04/02/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620415	04/05/22 20:25	CRL	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 15:46	JMM	TAL BUF
Total/NA	Prep	3510C			837617	04/07/22 07:34	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	837946	04/07/22 20:09	MME	TAL EDI
Total/NA	Analysis	RSK-175		11	620530	04/05/22 16:37	DSC	TAL BUF
Total/NA	Prep	3005A			620185	04/04/22 09:24	NVK	TAL BUF
Total/NA	Analysis	6010C		1	620463	04/04/22 20:22	LMH	TAL BUF
Total/NA	Analysis	300.0		5	620336	04/05/22 05:07	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	621222	04/11/22 09:18	CLT	TAL BUF
Total/NA	Analysis	353.2		1	620193	04/02/22 17:24	CSS	TAL BUF
Total/NA	Analysis	353.2		1	620196	04/02/22 21:36	CSS	TAL BUF
Total/NA	Prep	9012B			620634	04/06/22 10:04	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620688	04/06/22 14:38	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	621477	04/12/22 17:11	RDA	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: DUP_033122
Lab Sample ID: 480-196346-2
Date Collected: 03/31/22 09:20
Matrix: Water
Date Received: 04/02/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620593	04/06/22 12:37	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 21:20	JMM	TAL BUF
Total/NA	Prep	3510C			837617	04/07/22 07:34	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	837946	04/07/22 21:12	MME	TAL EDI
Total/NA	Analysis	RSK-175		11	620530	04/05/22 21:39	DSC	TAL BUF
Total/NA	Prep	3005A			620185	04/04/22 09:24	NVK	TAL BUF
Total/NA	Analysis	6010C		1	620463	04/04/22 20:51	LMH	TAL BUF
Total/NA	Analysis	300.0		5	620336	04/05/22 08:23	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	621222	04/11/22 09:22	CLT	TAL BUF
Total/NA	Analysis	353.2		1	620193	04/02/22 17:10	CSS	TAL BUF
Total/NA	Analysis	353.2		1	620196	04/02/22 21:14	CSS	TAL BUF
Total/NA	Prep	9012B			620634	04/06/22 10:04	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620688	04/06/22 14:43	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	621477	04/12/22 17:27	RDA	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-22S_033122
Lab Sample ID: 480-196346-3
Date Collected: 03/31/22 10:10
Matrix: Water
Date Received: 04/02/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620593	04/06/22 13:00	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 19:01	JMM	TAL BUF
Total/NA	Prep	3510C			837617	04/07/22 07:34	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	837946	04/07/22 21:33	MME	TAL EDI
Total/NA	Analysis	RSK-175		1	620530	04/05/22 21:58	DSC	TAL BUF
Total/NA	Prep	3005A			620185	04/04/22 09:24	NVK	TAL BUF
Total/NA	Analysis	6010C		1	620463	04/04/22 20:55	LMH	TAL BUF
Total/NA	Analysis	300.0		2	620336	04/05/22 08:43	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	621222	04/11/22 09:23	CLT	TAL BUF
Total/NA	Analysis	353.2		1	620193	04/02/22 17:11	CSS	TAL BUF
Total/NA	Analysis	353.2		1	620196	04/02/22 21:15	CSS	TAL BUF
Total/NA	Prep	9012B			620634	04/06/22 10:04	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620688	04/06/22 14:44	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	621477	04/12/22 17:54	RDA	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: MW-31S_033122
Lab Sample ID: 480-196346-4
Date Collected: 03/31/22 12:15
Matrix: Water
Date Received: 04/02/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620593	04/06/22 13:23	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 19:29	JMM	TAL BUF
Total/NA	Prep	3510C			837617	04/07/22 07:34	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	837946	04/07/22 21:54	MME	TAL EDI
Total/NA	Analysis	RSK-175		1	620530	04/05/22 22:17	DSC	TAL BUF
Total/NA	Prep	3005A			620185	04/04/22 09:24	NVK	TAL BUF
Total/NA	Analysis	6010C		1	620463	04/04/22 20:58	LMH	TAL BUF
Total/NA	Analysis	300.0		2	620336	04/05/22 09:02	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	621222	04/11/22 09:24	CLT	TAL BUF
Total/NA	Analysis	353.2		1	620193	04/02/22 17:13	CSS	TAL BUF
Total/NA	Analysis	353.2		1	620196	04/02/22 21:19	CSS	TAL BUF
Total/NA	Prep	9012B			620634	04/06/22 10:04	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620688	04/06/22 14:46	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	621477	04/12/22 20:44	RDA	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-48S_033122
Lab Sample ID: 480-196346-5
Date Collected: 03/31/22 12:45
Matrix: Water
Date Received: 04/02/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	620593	04/06/22 13:46	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 19:57	JMM	TAL BUF
Total/NA	Prep	3510C			837617	04/07/22 07:34	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	837946	04/07/22 22:15	MME	TAL EDI
Total/NA	Analysis	RSK-175		22	620530	04/05/22 22:36	DSC	TAL BUF
Total/NA	Prep	3005A			620185	04/04/22 09:24	NVK	TAL BUF
Total/NA	Analysis	6010C		1	620463	04/04/22 21:02	LMH	TAL BUF
Total/NA	Analysis	300.0		10	620336	04/05/22 09:22	IMZ	TAL BUF
Total/NA	Analysis	350.1		2	621222	04/11/22 11:22	CLT	TAL BUF
Total/NA	Analysis	353.2		1	620193	04/02/22 17:14	CSS	TAL BUF
Total/NA	Analysis	353.2		1	620194	04/02/22 17:14	CSS	TAL BUF
Total/NA	Prep	9012B			620634	04/06/22 10:04	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620688	04/06/22 14:51	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	621477	04/12/22 20:50	RDA	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: MW-23S_033122
Lab Sample ID: 480-196346-6
Date Collected: 03/31/22 14:15
Matrix: Water
Date Received: 04/02/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	620593	04/06/22 14:09	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 20:24	JMM	TAL BUF
Total/NA	Prep	3510C			837617	04/07/22 07:34	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	837946	04/07/22 22:36	MME	TAL EDI
Total/NA	Analysis	RSK-175		11	620530	04/06/22 00:10	DSC	TAL BUF
Total/NA	Prep	3005A			620185	04/04/22 09:24	NVK	TAL BUF
Total/NA	Analysis	6010C		1	620463	04/04/22 21:06	LMH	TAL BUF
Total/NA	Analysis	300.0		5	620336	04/05/22 11:20	IMZ	TAL BUF
Total/NA	Analysis	350.1		1	621222	04/11/22 09:26	CLT	TAL BUF
Total/NA	Analysis	353.2		1	620193	04/02/22 17:16	CSS	TAL BUF
Total/NA	Analysis	353.2		1	620196	04/02/22 21:22	CSS	TAL BUF
Total/NA	Prep	9012B			620634	04/06/22 10:04	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620688	04/06/22 14:53	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	621477	04/12/22 20:54	RDA	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Client Sample ID: MW-47S_033122
Lab Sample ID: 480-196346-7
Date Collected: 03/31/22 16:15
Matrix: Water
Date Received: 04/02/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620593	04/06/22 14:32	LCH	TAL BUF
Total/NA	Prep	3510C			620363	04/04/22 15:00	CMC	TAL BUF
Total/NA	Analysis	8270D_LL_PAH		1	620427	04/05/22 20:52	JMM	TAL BUF
Total/NA	Prep	3510C			837617	04/07/22 07:34	ZEH	TAL EDI
Total/NA	Analysis	8270E SIM		1	837946	04/07/22 22:57	MME	TAL EDI
Total/NA	Analysis	RSK-175		88	620663	04/06/22 14:29	DSC	TAL BUF
Total/NA	Prep	3005A			620185	04/04/22 09:24	NVK	TAL BUF
Total/NA	Analysis	6010C		1	620463	04/04/22 21:21	LMH	TAL BUF
Total/NA	Analysis	300.0		5	620336	04/05/22 11:39	IMZ	TAL BUF
Total/NA	Analysis	350.1		5	621222	04/11/22 11:23	CLT	TAL BUF
Total/NA	Analysis	353.2		1	620193	04/02/22 17:17	CSS	TAL BUF
Total/NA	Analysis	353.2		1	620196	04/02/22 21:25	CSS	TAL BUF
Total/NA	Prep	9012B			620634	04/06/22 10:04	JGO	TAL BUF
Total/NA	Analysis	9012B		1	620688	04/06/22 14:54	JGO	TAL BUF
Total/NA	Analysis	SM 2320B		1	621477	04/12/22 21:04	RDA	TAL BUF
Total/NA	Analysis	SM 3500 FE D		1	620195	04/02/22 18:30	CSS	TAL BUF

Client Sample ID: TB_033122
Lab Sample ID: 480-196346-8
Date Collected: 03/31/22 09:10
Matrix: Water
Date Received: 04/02/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	620593	04/06/22 14:55	LCH	TAL BUF

Laboratory References:
TAL BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Laboratory: Eurofins 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	03-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX
SM 3500 FE D		Water	Ferrous Iron

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-01-23
Georgia	State	12028 (NJ)	06-30-22
Massachusetts	State	M-NJ312	06-30-22
New Jersey	NELAP	12028	06-30-22
New York	NELAP	11452	04-01-23
Pennsylvania	NELAP	68-00522	02-28-23
Rhode Island	State	LAO00376	12-31-22
USDA	US Federal Programs	P330-20-00244	11-03-23

Method Summary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D_LL_PAH	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	TAL BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL EDI
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
SM 2320B	Alkalinity	SM	TAL BUF
SM 3500 FE D	Iron, Ferrous and Ferric	SM	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

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 Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Parsons Corporation
Job ID: 480-196346-1
Project/Site: NYSEG - Ithaca Court St. - GW Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-196346-1	MW-28S_033122	Water	03/31/22 09:15	04/02/22 10:00
480-196346-2	DUP_033122	Water	03/31/22 09:20	04/02/22 10:00
480-196346-3	MW-22S_033122	Water	03/31/22 10:10	04/02/22 10:00
480-196346-4	MW-31S_033122	Water	03/31/22 12:15	04/02/22 10:00
480-196346-5	MW-48S_033122	Water	03/31/22 12:45	04/02/22 10:00
480-196346-6	MW-23S_033122	Water	03/31/22 14:15	04/02/22 10:00
480-196346-7	MW-47S_033122	Water	03/31/22 16:15	04/02/22 10:00
480-196346-8	TB_033122	Water	03/31/22 09:10	04/02/22 10:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-172143-37248.3
Client Contact: Stephen Liberatore	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin:	Page: Page 3 of 3
Company: Parsons Corporation	PWSID:			Job #:
Address: 301 Plainfield Road Suite 350	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Syracuse	TAT Requested (days):			
State, Zip: NY, 13212	Compliance Project: Δ Yes Δ No			
Phone: 315-418-8767(Tel)	PO #: 4529624.01000			
Email: stephen.liberatore@parsons.com	WO #:			
Project Name: NYSEG - Ithaca Court St. - GW Sampling	Project #: 48025007			
Site:	SSOW#:			

480-196346 Chain of Custody

J - DI Water V - MCAA
K - EDTA W - pH 4-5
L - EDA Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM - PAH LL SIM SVOCs	8270D_LL_PAH - PAH LL SVOCs	300.0_28D - Sulfate	350.1 - Nitrogen, Ammonia	6010C - Metals (ICP) - Iron	RSK_175 - Methane	8260C - BTEX and THMs	9012B - Cyanide, Total	2320B - Alkalinity	3500_FE_D - Iron, Ferrous	353.2, 353.2_Nitrite, Nitrate_Calc	8260C - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	S	D	A	A	B	N	N	N	A		
~~MW-28S~~ MW-28S_033122	3/31/22	0915	G	W	N	Y	X	X	X	X	X	X	X	X	X	X	X		54	
DUP-033122	3/31/22	0920	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X		18	
MW-22S-033122	3/31/22	1010	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X		16	
MW-31S-033122	3/31/22	1215	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X		16	
MW-48S-033122	3/31/22	1245	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X		16	
MW-23S-033122	3/31/22	1415	G	W	N	N	X	X	X	X	X	X	X	X	X	X	X		18	
TB-033122	3/31/22	0910	G	W	N	N	~~X~~											X	1	

RE 4-1-22

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: TA Lockers
Relinquished by: [signature]	Date/Time: 3/31/22 1930	Company: Parsons	Received by: [signature] Date/Time: 3-31-22, 19:30 Company: Syr
Relinquished by: [signature]	Date/Time: ~~3-31-22~~ RE 4-1-22 1803	Company: Syr	Received by: [signature] Date/Time: 4/1/22 1000 Company: TAB
Relinquished by:	Date/Time:	Company:	Received by: Date/Time: Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 3.0, 2.4, 2.8

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-70982.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note): NELAP - New York		Job #: 480-196346-1
Address: 777 New Durham Road, ,	Due Date Requested: 4/14/2022			
City: Edison	TAT Requested (days):			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			
Email:	WO #:			
Project Name: NYSEG - Ithaca Court St. - GW Sampling	Project #: 48025007			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVI PAH LL SIM SVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-28S_033122 (480-196346-1)	3/31/22	09:15 Eastern		Water			X	2	
MW-28S_033122 (480-196346-1MS)	3/31/22	09:15 Eastern	MS	Water			X	2	
MW-28S_033122 (480-196346-1MSD)	3/31/22	09:15 Eastern	MSD	Water			X	2	
DUP_033122 (480-196346-2)	3/31/22	09:20 Eastern		Water			X	2	
MW-22S_033122 (480-196346-3)	3/31/22	10:10 Eastern		Water			X	2	
MW-31S_033122 (480-196346-4)	3/31/22	12:15 Eastern		Water			X	2	
MW-48S_033122 (480-196346-5)	3/31/22	12:45 Eastern		Water			X	2	
MW-23S_033122 (480-196346-6)	3/31/22	14:15 Eastern		Water			X	2	
MW-47S_033122 (480-196346-7)	3/31/22	16:15 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC 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 analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	4-4-22 1000	TAB	[signature] UPS Fedex	4/5/22 1005	ETA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1784563	Cooler Temperature(s) °C and Other Remarks: 2.3°C / 2.5°C

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-196346-1

Login Number: 196346
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

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	PARSONS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-196346-1

Login Number: 196346
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 04/05/22 11:46 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	1784563
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT C
DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

ITHACA COURT STREET

Prepared For:

NEW YORK STATE ELECTRIC AND GAS CORPORATION

Prepared By:

301 Plainfield Road, Suite 350
Syracuse, New York 13212

JUNE 2022

TABLE OF CONTENTS

LIST OF ATTACHMENTS

SECTION 1 DATA USABILITY SUMMARY

Groundwater samples were collected from the Iberdrola Ithaca Court Street site on March 29, 2022 through March 31, 2022. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Work Plan,
- Analytical methodologies,
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review,
- *National Functional Guidelines for Organic Superfund Methods Data Review*, USEPA 540-R-20-005, November 2020, and
- *National Functional Guidelines for Inorganic Superfund Methods Data Review*, USEPA 542-R-20-006, November 2020.

The analytical laboratory for this project was Eurofins – Environment Testing America (Eurofins) in Buffalo, New York and Edison, New Jersey. This laboratory is certified to perform project analyses through the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

1.1 Laboratory Data Packages

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 13-19 days for the project samples.

The data packages received from Eurofins were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized in Section 2.

1.2 Sampling and Chain-of-Custody

The samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received at Eurofins within one to two days of sampling. All samples were received intact and in good condition at the laboratory.

1.3 Laboratory Analytical Methods

The groundwater samples that were collected from the site were analyze for volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), methane, iron, ferrous iron, cyanide, ammonia, nitrite, nitrate, sulfate, and total alkalinity. Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.4. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are discussed for each analytical method in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,
"UJ" - estimated and not detected at the value given,
"J" - estimated at the value given,
"J+" - estimated biased high at the value given,
"J-" - estimated biased low at the value given,

"N" - presumptive evidence at the value given, and
"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

The project samples were analyzed for VOCs and methane using the USEPA SW-846 8260C and the USEPA approved SOP RSK-175 analytical methods, respectively. Certain reported results for these samples were qualified as estimated based upon field duplicate precision. The reported VOC and methane analytical results were 100% (i.e., usable) for the project data. PARCCS requirements were met.

1.3.2 Semivolatile Organic Analysis

The project samples were analyzed for PAHs using the USEPA SW-846 8270D and 8270D SIM analytical methods. Certain reported results for these samples were qualified as estimated based upon matrix spike/matrix spike duplicate (MS/MSD) recoveries. The reported semivolatile analytical results were 100% complete (i.e., usable) for the project data. PARCCS requirements were met.

1.3.3 Metals Analysis

The project samples were analyzed for iron using the USEPA SW-846 6010C analytical method. The reported results for these samples did not require qualification resulting from data validation. The reported analytical results for these samples were considered 100% complete (i.e., usable) for the project data. PARCCS requirements were met.

1.3.4 General Chemistry

The project samples were analyzed for ferrous iron, cyanide, ammonia, nitrite, nitrate, sulfate, and total alkalinity using the SM3500, USEPA SW-846 9012B, USEPA 350.1, USEPA 353.2, USEPA 353.2, USEPA 300.0, and SM2320B analytical methods, respectively. Certain reported results for these samples were qualified as estimated based upon MS/MSD recoveries and field duplicate precision. The reported analytical results for these samples were considered 100% complete (i.e., usable) for the project data. PARCCS requirements were met

SECTION 2 DATA VALIDATION REPORT

2.1 Groundwater

Data review has been completed for data packages generated by Eurofins containing groundwater samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) 480-196247-1, 480-196271-1, and 480-196346-1. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data are presented in Attachment A.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorganic data review and the USEPA National Functional Guidelines for organic and inorganic data review. This data validation and usability report is presented by analysis type.

2.1.1 VOCs and Methane

The following items were reviewed for compliancy in the volatile and methane analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and trip blank contamination
- Instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of field duplicate precision as discussed below.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision for methane (38%RPD) associated with sample MW-28S-033122 and its field duplicate sample DUP-033122. Therefore, the methane results were considered estimated and qualified “J” for the affected parent sample and field duplicate.

Usability

All VOC and methane sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The VOC and methane data presented by Eurofins were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A.

2.1.2 PAHs

The following items were reviewed for compliancy in the PAH analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MSD accuracy result for benzo(g,h,i)perylene (50%R; QC limit 51-150%R) and the low MS/MSD accuracy results for chrysene (64%R/62%R; QC limit 69-140%R) during the spiked analyses of sample MW-28S-033122. Validation qualification was not required for benzo(g,h,i)perylene for the affected parent sample. However, the nondetected chrysene result was considered estimated and qualified "UJ" for the affected parent sample.

Usability

All PAH sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The PAH data presented by Eurofins were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A.

2.1.3 Iron

The following items were reviewed for compliancy in the iron analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- MS/MSD recoveries
- LCS recoveries
- Initial and continuing calibration blank and laboratory preparation blank contamination
- Interference check sample recoveries
- Laboratory duplicate precision
- Serial dilutions
- Field duplicate precision

- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All iron results for the samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The iron data presented by Eurofins were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A.

2.1.4 General Chemistry

The following items were reviewed for compliancy in the general chemistry analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- MS/MSD recoveries
- LCS recoveries
- Initial and continuing calibration blank and laboratory preparation blank contamination
- Laboratory duplicate precision
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD recoveries, blank contamination, and field duplicate precision as discussed below.

MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within QC limits with the exception of the low MS recovery for total alkalinity (59%R; QC limit 60-140%R) associated with sample MW-28S-033122. Therefore, the result for this analyte was considered estimated and qualified "J" for the affected sample.

Blank Contamination

The laboratory preparation blanks associated with samples collected on 3/30/22 contained ammonia below the reporting limit at concentrations ranging 0.0115-0.0130 mg/L. Validation qualification was not required for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision for sulfate (63%RPD) associated with sample MW-28S-033122 and its field duplicate sample DUP-033122. Therefore, the sulfate results were considered estimated and qualified "J" for the affected parent sample and field duplicate.

Usability

All general chemistry results for the samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The general chemistry data presented by Eurofins were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A.

ATTACHMENT A – VALIDATED LABORATORY DATA

			Location ID:	ICS-MW-13S		ICS-MW-22S		ICS-MW-23S		ICS-MW-24S		ICS-MW-28S	
			Sample ID:	MW-13S_033022		MW-22S_033122		MW-23S_033122		MW-24S_033022		DUP_033122	
			Sample Type:	N		N		N		N		FD	
			Matrix:	WG		WG		WG		WG		WG	
			SDG:	4801962711		4801963461		4801963461		4801962711		4801963461	
			Lab Sample ID:	480-196271-3		480-196346-3		480-196346-6		480-196271-1		480-196346-2	
			Sampled:	3/30/2022		3/31/2022		3/31/2022		3/30/2022		3/31/2022	
Method	CAS_RN	Chemical Name	Unit										
A2320B	ALK	Alkalinity, Total (As CaCO3)	mg/L	401		218		243		275		276	
E300.0	14808-79-8	Sulfate (As SO4)	mg/L	34.1		45.7		6.5	J	25.4		11.3	J
E350.1	7664-41-7	Nitrogen, Ammonia (As N)	mg/L	0.02	U	0.02	U	1.1		0.048		0.89	
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L	2.7		6.5		0.1		0.05	U	0.19	
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L	0.05	U	0.05	U	0.028	J	0.05	U	0.042	J
RSK175	74-82-8	Methane	ug/L	7.7		4	U	4100		89		3900	J
SM3500-FE-D	FE(FS)	Ferrous Iron	mg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
SW6010C	7439-89-6	Iron	mg/L	0.3		0.23		2.5		0.4		1.8	
SW8260C	71-43-2	Benzene	ug/L	1	U	1	U	4	U	1	U	1	U
SW8260C	BTEX	Benzene, Toluene, Ethylbenzene, And Xylenes	ug/L	2	U	2	U	17		2	U	2	U
SW8260C	75-27-4	Bromodichloromethane	ug/L	1	U	1	U	4	U	1	U	1	U
SW8260C	75-25-2	Bromoform	ug/L	1	U	1	U	4	U	1	U	1	U
SW8260C	67-66-3	Chloroform	ug/L	1	U	1	U	4	U	1	U	1	U
SW8260C	124-48-1	Dibromochloromethane	ug/L	1	U	1	U	4	U	1	U	1	U
SW8260C	100-41-4	Ethylbenzene	ug/L	1	U	1	U	8.7		1	U	1	U
SW8260C	179601-23-1	m,p-Xylene	ug/L	2	U	2	U	8	U	2	U	2	U
SW8260C	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/L	1	U	1	U	7.9		1	U	1	U
SW8260C	108-88-3	Toluene	ug/L	1	U	1	U	4	U	1	U	1	U
SW8260C	1330-20-7	Xylenes	ug/L	2	U	2	U	7.9	J	2	U	2	U
SW8270D	83-32-9	Acenaphthene	ug/L	0.5	U	0.5	U	55		0.5	U	0.5	U
SW8270D	208-96-8	Acenaphthylene	ug/L	0.5	U	0.5	U	0.96		0.5	U	0.5	U
SW8270D	120-12-7	Anthracene	ug/L	0.5	U	0.5	U	2.4		0.5	U	0.5	U
SW8270D	218-01-9	Chrysene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	206-44-0	Fluoranthene	ug/L	0.5	U	0.5	U	1.6		0.5	U	0.5	U
SW8270D	86-73-7	Fluorene	ug/L	0.5	U	0.5	U	13		0.5	U	0.5	U
SW8270D	91-20-3	Naphthalene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	85-01-8	Phenanthrene	ug/L	0.5	U	0.5	U	3		0.5	U	0.5	U
SW8270D	129-00-0	Pyrene	ug/L	0.5	U	0.5	U	2.2		0.5	U	0.5	U
SW8270E-SIM	56-55-3	Benzo(A)Anthracene	ug/L	0.05	U	0.05	U	0.084		0.05	U	0.05	U
SW8270E-SIM	50-32-8	Benzo(A)Pyrene	ug/L	0.05	U	0.05	U	0.048	J	0.05	U	0.05	U
SW8270E-SIM	205-99-2	Benzo(B)Fluoranthene	ug/L	0.05	U	0.05	U	0.051		0.05	U	0.05	U
SW8270E-SIM	191-24-2	Benzo(G,H,I)Perylene	ug/L	0.05	U	0.05	U	0.055		0.05	U	0.05	U
SW8270E-SIM	207-08-9	Benzo(K)Fluoranthene	ug/L	0.05	U	0.05	U	0.048	J	0.05	U	0.05	U
SW8270E-SIM	53-70-3	Dibenz(A,H)Anthracene	ug/L	0.05	U	0.05	U	0.055		0.05	U	0.05	U
SW8270E-SIM	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	0.05	U	0.05	U	0.072		0.05	U	0.05	U
SW9012	57-12-5	Cyanide	mg/L	0.01	U	0.43		0.01	U	0.01	U	0.01	U

		Location ID:	ICS-MW-28S		ICS-MW-31S		ICS-MW-33S		ICS-MW-40		ICS-MW-45S	
		Sample ID:	MW-28S_033122		MW-31S_033122		MW-33S_033022		MW-40_033022		MW-45S_033022	
		Sample Type:	N		N		N		N		N	
		Matrix:	WG		WG		WG		WG		WG	
		SDG:	4801963461		4801963461		4801962711		4801962711		4801962711	
		Lab Sample ID:	480-196346-1		480-196346-4		480-196271-5		480-196271-4		480-196271-6	
		Sampled:	3/31/2022		3/31/2022		3/30/2022		3/30/2022		3/30/2022	
Method	CAS_RN	Chemical Name	Unit									
A2320B	ALK	Alkalinity, Total (As CaCO3)	mg/L	278	J	265		370		141		388	
E300.0	14808-79-8	Sulfate (As SO4)	mg/L	5.9	J	17.7		29		11.2		7	J
E350.1	7664-41-7	Nitrogen, Ammonia (As N)	mg/L	0.94		0.018	J	0.92		0.32		0.41	
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L	0.25		0.35		0.58		0.49		0.069	
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L	0.049	J	0.026	J	0.05	U	0.042	J	0.05	U
RSK175	74-82-8	Methane	ug/L	2800	J	79		74		63		160	
SM3500-FE-D	FE(FS)	Ferrous Iron	mg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
SW6010C	7439-89-6	Iron	mg/L	1.9		0.18		2.1		0.76		2.6	
SW8260C	71-43-2	Benzene	ug/L	1	U	1	U	1	U	1	U	1	U
SW8260C	BTEX	Benzene, Toluene, Ethylbenzene, And Xylenes	ug/L	2	U	2	U	2	U	2	U	2	U
SW8260C	75-27-4	Bromodichloromethane	ug/L	1	U	1	U	1	U	1	U	1	U
SW8260C	75-25-2	Bromoform	ug/L	1	U	1	U	1	U	1	U	1	U
SW8260C	67-66-3	Chloroform	ug/L	1	U	1	U	1	U	1	U	1	U
SW8260C	124-48-1	Dibromochloromethane	ug/L	1	U	1	U	1	U	1	U	1	U
SW8260C	100-41-4	Ethylbenzene	ug/L	1	U	1	U	1	U	1	U	1	U
SW8260C	179601-23-1	m,p-Xylene	ug/L	2	U	2	U	2	U	2	U	2	U
SW8260C	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/L	1	U	1	U	1	U	1	U	1	U
SW8260C	108-88-3	Toluene	ug/L	1	U	1	U	1	U	1	U	1	U
SW8260C	1330-20-7	Xylenes	ug/L	2	U	2	U	2	U	2	U	2	U
SW8270D	83-32-9	Acenaphthene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	208-96-8	Acenaphthylene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	120-12-7	Anthracene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	218-01-9	Chrysene	ug/L	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	206-44-0	Fluoranthene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	86-73-7	Fluorene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	91-20-3	Naphthalene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	85-01-8	Phenanthrene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	129-00-0	Pyrene	ug/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8270E-SIM	56-55-3	Benzo(A)Anthracene	ug/L	0.05	U	0.05	U	0.05	U	0.024	J	0.05	U
SW8270E-SIM	50-32-8	Benzo(A)Pyrene	ug/L	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
SW8270E-SIM	205-99-2	Benzo(B)Fluoranthene	ug/L	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
SW8270E-SIM	191-24-2	Benzo(G,H,I)Perylene	ug/L	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
SW8270E-SIM	207-08-9	Benzo(K)Fluoranthene	ug/L	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
SW8270E-SIM	53-70-3	Dibenz(A,H)Anthracene	ug/L	0.05	U	0.05	U	0.05	U	0.025	J	0.05	U
SW8270E-SIM	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
SW9012	57-12-5	Cyanide	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U

		Location ID:	ICS-MW-46S		ICS-MW-47S		ICS-MW-48S		ICS-MW-C11		ICS-MW-C12	
		Sample ID:	MW-46S_033022		MW-47S_033122		MW-48S_033122		MW-C11_032922		MW-C12_032922	
		Sample Type:	N		N		N		N		N	
		Matrix:	WG		WG		WG		WG		WG	
		SDG:	4801962711		4801963461		4801963461		4801962471		4801962471	
		Lab Sample ID:	480-196271-7		480-196346-7		480-196346-5		480-196247-1		480-196247-2	
		Sampled:	3/30/2022		3/31/2022		3/31/2022		3/29/2022		3/29/2022	
Method	CAS_RN	Chemical Name	Unit									
A2320B	ALK	Alkalinity, Total (As CaCO3)	mg/L	317		263		373		879		455	
E300.0	14808-79-8	Sulfate (As SO4)	mg/L	10	U	5.3	J	5.1	J	2950		169	
E350.1	7664-41-7	Nitrogen, Ammonia (As N)	mg/L	3.6		5.6		2.5		9.4		1.3	
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L	0.05	U	5.1		0.041	J	0.05	U	0.05	U
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
RSK175	74-82-8	Methane	ug/L	14000		10000		4600		270		460	
SM3500-FE-D	FE(FS)	Ferrous Iron	mg/L	0.1	U	0.1	U	0.1	U	0.32		0.1	U
SW6010C	7439-89-6	Iron	mg/L	13.2		50.6		4.8		29		1.7	
SW8260C	71-43-2	Benzene	ug/L	1400		1	U	67		2.3		4.6	
SW8260C	BTEX	Benzene, Toluene, Ethylbenzene, And Xylenes	ug/L	3400		2	U	150		2.3	J	18	
SW8260C	75-27-4	Bromodichloromethane	ug/L	20	U	1	U	4	U	2	U	1	U
SW8260C	75-25-2	Bromoform	ug/L	20	U	1	U	4	U	2	U	1	U
SW8260C	67-66-3	Chloroform	ug/L	20	U	1	U	4	U	2	U	1	U
SW8260C	124-48-1	Dibromochloromethane	ug/L	20	U	1	U	4	U	2	U	1	U
SW8260C	100-41-4	Ethylbenzene	ug/L	1300		1	U	57		2	U	13	
SW8260C	179601-23-1	m,p-Xylene	ug/L	270		2	U	6.2	J	4	U	2	U
SW8260C	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/L	390		1	U	22		2	U	0.89	J
SW8260C	108-88-3	Toluene	ug/L	37		1	U	4	U	2	U	1	U
SW8260C	1330-20-7	Xylenes	ug/L	660		2	U	28		4	U	0.89	J
SW8270D	83-32-9	Acenaphthene	ug/L	72		0.75		31		0.58		130	
SW8270D	208-96-8	Acenaphthylene	ug/L	3.3		0.5	U	0.97		0.5	U	0.5	U
SW8270D	120-12-7	Anthracene	ug/L	3.1		0.5	U	1.2		0.5	U	0.5	U
SW8270D	218-01-9	Chrysene	ug/L	0.52		0.5	U	0.5	U	0.5	U	0.5	U
SW8270D	206-44-0	Fluoranthene	ug/L	2.3		0.5	U	0.57		0.5	U	0.5	U
SW8270D	86-73-7	Fluorene	ug/L	17		0.5	U	3		0.5	U	19	
SW8270D	91-20-3	Naphthalene	ug/L	2300		0.5	U	32		0.5	U	0.5	U
SW8270D	85-01-8	Phenanthrene	ug/L	12		0.5	U	3.8		0.5	U	1.4	
SW8270D	129-00-0	Pyrene	ug/L	3.6		0.5	U	0.65		0.5	U	0.5	U
SW8270E-SIM	56-55-3	Benzo(A)Anthracene	ug/L	2.2		0.036	J	0.05	U	0.05	U	0.05	U
SW8270E-SIM	50-32-8	Benzo(A)Pyrene	ug/L	2.2		0.049	J	0.05	U	0.05	U	0.05	U
SW8270E-SIM	205-99-2	Benzo(B)Fluoranthene	ug/L	1.4		0.054		0.05	U	0.05	U	0.05	U
SW8270E-SIM	191-24-2	Benzo(G,H,I)Perylene	ug/L	0.81		0.045	J	0.05	U	0.05	U	0.05	U
SW8270E-SIM	207-08-9	Benzo(K)Fluoranthene	ug/L	0.6		0.05	U	0.05	U	0.05	U	0.05	U
SW8270E-SIM	53-70-3	Dibenz(A,H)Anthracene	ug/L	0.28		0.05	U	0.05	U	0.05	U	0.05	U
SW8270E-SIM	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	0.78		0.046	J	0.05	U	0.05	U	0.05	U
SW9012	57-12-5	Cyanide	mg/L	0.01	U	0.01	U	0.01	U	0.022		0.01	U

		Location ID:	ICS-MW-C16		ICS-MW-C25S					
		Sample ID:	MW-C16_032922		MW-C25S_032922		TB_033022		TB_033122	
		Sample Type:	N		N		TB		TB	
		Matrix:	WG		WG		WQ		WQ	
		SDG:	4801962471		4801962471		4801962711		4801963461	
		Lab Sample ID:	480-196247-3		480-196247-4		480-196271-2		480-196346-8	
		Sampled:	3/29/2022		3/29/2022		3/30/2022		3/31/2022	
Method	CAS_RN	Chemical Name	Unit							
A2320B	ALK	Alkalinity, Total (As CaCO3)	mg/L	600		671					
E300.0	14808-79-8	Sulfate (As SO4)	mg/L	918		187					
E350.1	7664-41-7	Nitrogen, Ammonia (As N)	mg/L	0.49		0.02	U				
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L	0.026	J	0.035	J				
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L	0.05	U	0.026	J				
RSK175	74-82-8	Methane	ug/L	6.1		4	U				
SM3500-FE-D	FE(FS)	Ferrous Iron	mg/L	0.1	U	0.1	U				
SW6010C	7439-89-6	Iron	mg/L	19.2		0.24					
SW8260C	71-43-2	Benzene	ug/L	2	U	2	U	1	U	1	U
SW8260C	BTEX	Benzene, Toluene, Ethylbenzene, And Xylenes	ug/L	4	U	4	U	2	U	2	U
SW8260C	75-27-4	Bromodichloromethane	ug/L	2	U	2	U	1	U	1	U
SW8260C	75-25-2	Bromoform	ug/L	2	U	2	U	1	U	1	U
SW8260C	67-66-3	Chloroform	ug/L	2	U	2	U	1	U	1	U
SW8260C	124-48-1	Dibromochloromethane	ug/L	2	U	2	U	1	U	1	U
SW8260C	100-41-4	Ethylbenzene	ug/L	2	U	2	U	1	U	1	U
SW8260C	179601-23-1	m,p-Xylene	ug/L	4	U	4	U	2	U	2	U
SW8260C	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/L	2	U	2	U	1	U	1	U
SW8260C	108-88-3	Toluene	ug/L	2	U	2	U	1	U	1	U
SW8260C	1330-20-7	Xylenes	ug/L	4	U	4	U	2	U	2	U
SW8270D	83-32-9	Acenaphthene	ug/L	14		0.5	U				
SW8270D	208-96-8	Acenaphthylene	ug/L	0.5	U	0.5	U				
SW8270D	120-12-7	Anthracene	ug/L	0.5	U	0.5	U				
SW8270D	218-01-9	Chrysene	ug/L	0.5	U	0.5	U				
SW8270D	206-44-0	Fluoranthene	ug/L	0.58		0.5	U				
SW8270D	86-73-7	Fluorene	ug/L	2.5		0.5	U				
SW8270D	91-20-3	Naphthalene	ug/L	0.5	U	0.5	U				
SW8270D	85-01-8	Phenanthrene	ug/L	0.5	U	0.5	U				
SW8270D	129-00-0	Pyrene	ug/L	0.65		0.5	U				
SW8270E-SIM	56-55-3	Benzo(A)Anthracene	ug/L	0.019	J	0.05	U				
SW8270E-SIM	50-32-8	Benzo(A)Pyrene	ug/L	0.05	U	0.05	U				
SW8270E-SIM	205-99-2	Benzo(B)Fluoranthene	ug/L	0.05	U	0.05	U				
SW8270E-SIM	191-24-2	Benzo(G,H,I)Perylene	ug/L	0.05	U	0.05	U				
SW8270E-SIM	207-08-9	Benzo(K)Fluoranthene	ug/L	0.05	U	0.05	U				
SW8270E-SIM	53-70-3	Dibenz(A,H)Anthracene	ug/L	0.05	U	0.05	U				
SW8270E-SIM	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	0.05	U	0.05	U				
SW9012	57-12-5	Cyanide	mg/L	0.01	U	0.024					

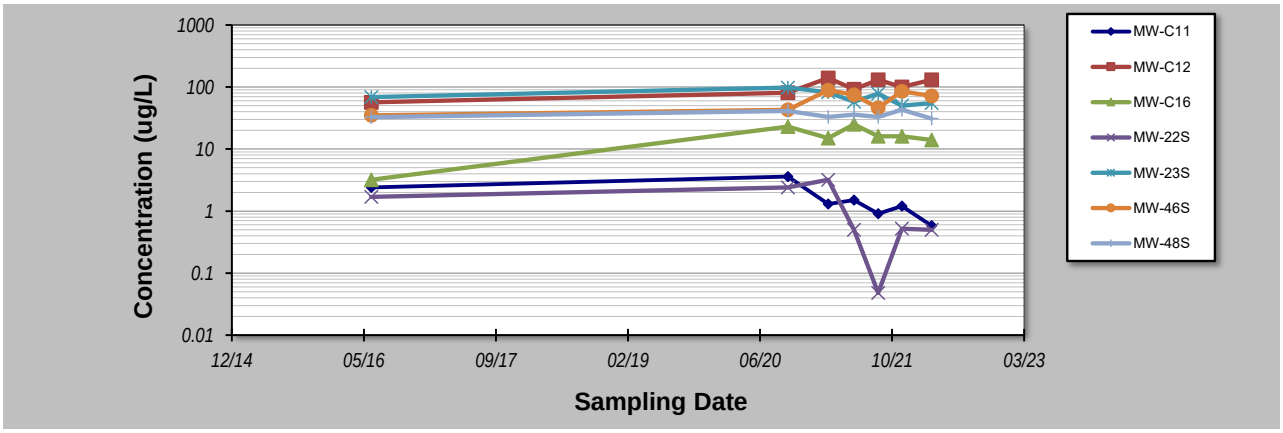
ATTACHMENT D
MANN-KENDAL ANALYSIS

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Acenaphthene**
Concentration Units: **ug/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	ACENAPHTHENE CONCENTRATION (ug/L)						
1	6/7/2016	2.4	56.7	3.2	1.7	68.8	34.9	32.7
2	10/1/2020	3.6	81	23	2.4	98	43	41
3	3/3/2021	1.3	140	15	3.2	82	89	33
4	6/9/2021	1.5	92	25	0.5	58	75	36
5	9/8/2021	0.91	130	16	0.048	78	46	33
6	12/7/2021	1.2	100	16	0.52	50	85	43
7	3/29/2022	0.58	130	14	0.5	55	72	31
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.63	0.29	0.44	0.94	0.24	0.34	0.13
Mann-Kendall Statistic (S):		-15	10	0	-8	-11	7	0
Confidence Factor:		98.5%	90.7%	37.9%	84.5%	93.2%	80.9%	37.9%
Concentration Trend:		Decreasing	Prob. Increasing	Stable	Stable	Prob. Decreasing	No Trend	Stable



Notes:

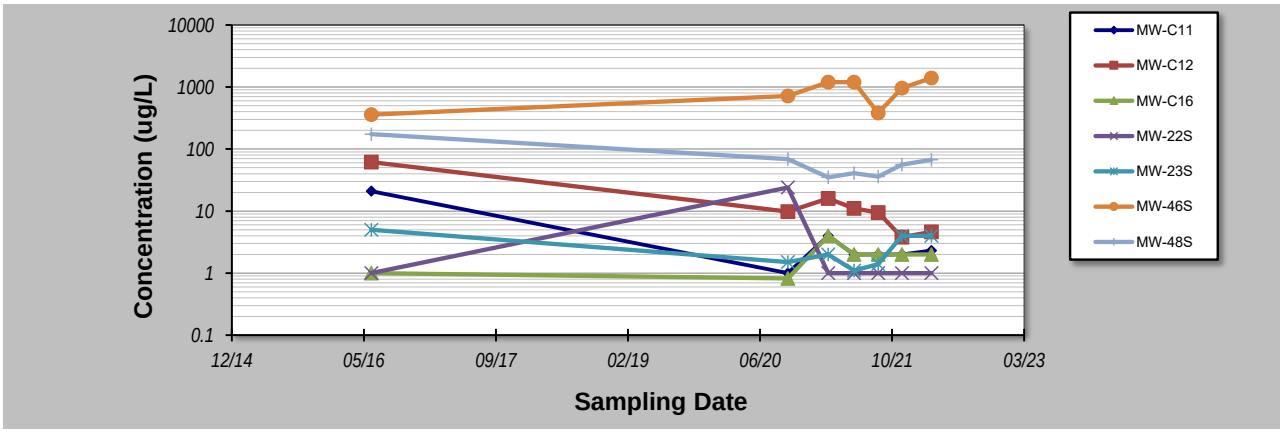
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Benzene**
Concentration Units: **ug/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	BENZENE CONCENTRATION (ug/L)						
1	6/7/2016	20.9	61.6	1	1	5	358	174
2	10/1/2020	1	9.8	0.82	24	1.5	720	69
3	3/3/2021	4	16	4	1	2	1200	35
4	6/9/2021	2	11	2	1	1.1	1200	41
5	9/8/2021	2	9.5	2	1	1.4	380	36
6	12/7/2021	2	3.8	2	1	4	960	56
7	3/29/2022	2.3	4.6	2	1	4	1400	67
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.46	1.22	0.52	2.03	0.58	0.47	0.71
Mann-Kendall Statistic (S):		-2	-15	5	-4	0	10	-3
Confidence Factor:		55.7%	98.5%	71.9%	66.7%	37.9%	90.7%	61.4%
Concentration Trend:		No Trend	Decreasing	No Trend	No Trend	Stable	Prob. Increasing	Stable



Notes:

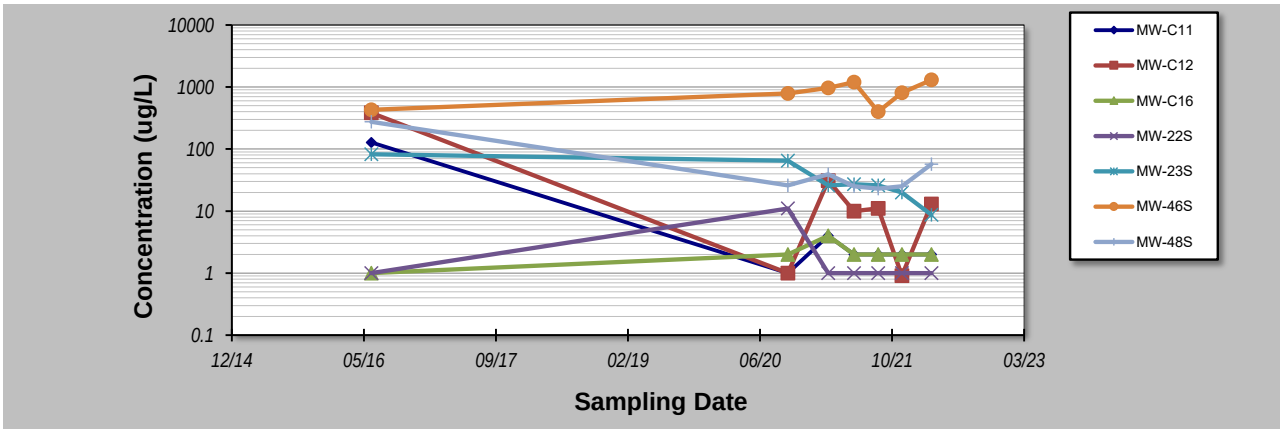
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Ethylbenzene**
Concentration Units: **ug/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	ETHYLBENZENE CONCENTRATION (ug/L)						
1	6/7/2016	128	383	1	1	82.4	428	275
2	10/1/2020	1	1	2	11	65	790	26
3	3/3/2021	4	31	4	1	26	970	39
4	6/9/2021	2	10	2	1	27	1200	25
5	9/8/2021	2	11	2	1	26	400	23
6	12/7/2021	2	0.91	2	1	20	810	25
7	3/29/2022	2	13	2	1	8.7	1300	57
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		2.36	2.19	0.42	1.56	0.73	0.41	1.38
Mann-Kendall Statistic (S):		-5	-5	3	-4	-18	9	-6
Confidence Factor:		71.9%	71.9%	61.4%	66.7%	99.7%	88.1%	76.4%
Concentration Trend:		No Trend	No Trend	No Trend	No Trend	Decreasing	No Trend	No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Naphthalene**
Concentration Units: **ug/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	NAPHTHALENE CONCENTRATION (ug/L)						
1	6/7/2016	111	180	1.4	1.7	1.4	954	16.4
2	10/1/2020	4.8	0.19	19	0.8	340	1100	91
3	3/3/2021	20	0.35	20	1	230	2500	44
4	6/9/2021	20	20	20	0.068	14	2200	49
5	9/8/2021	1	20	5	0.097	5.2	730	10
6	12/7/2021	0.32	21	5.1	1	48	1700	140
7	3/29/2022	0.5	0.5	0.5	0.5	0.5	2300	32
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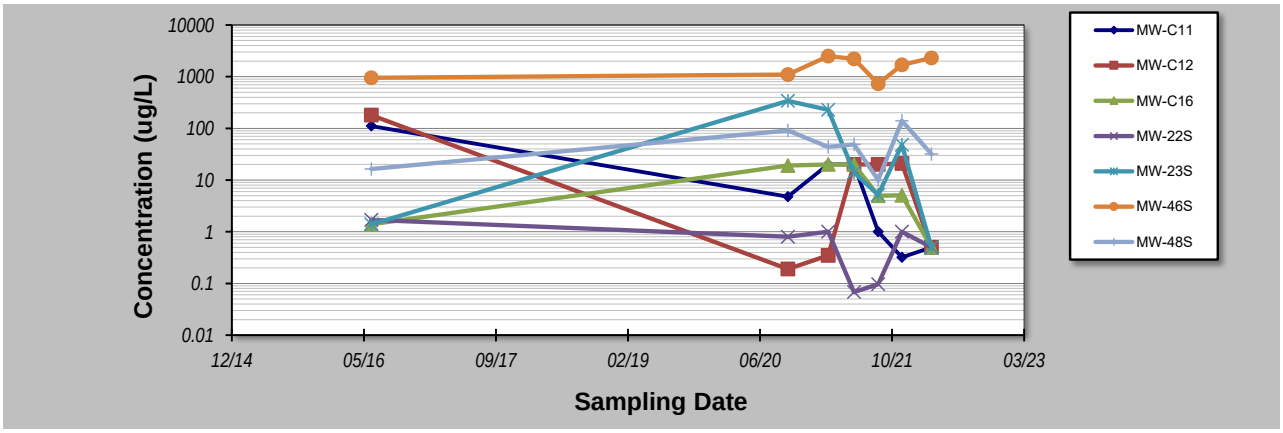
Coefficient of Variation:		1.78	1.88	0.89	0.78	1.50	0.44	0.84
Mann-Kendall Statistic (S):		-14	2	-4	-6	-7	5	1
Confidence Factor:		97.5%	55.7%	66.7%	76.4%	80.9%	71.9%	50.0%
Concentration Trend:		Decreasing	No Trend	Stable	Stable	No Trend	No Trend	No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Toluene**
Concentration Units: **ug/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	TOLUENE CONCENTRATION (ug/L)						
1	6/7/2016	11.1	1	1	1	5	29.5	5
2	10/1/2020	1	1	2	0.51	2	20	2
3	3/3/2021	4	1	4	1	2	32	2
4	6/9/2021	2	1	2	1	1.3	65	1
5	9/8/2021	2	1	2	1	2	20	1
6	12/7/2021	2	1	2	1	4	12	1
7	3/29/2022	2	1	2	1	4	37	4
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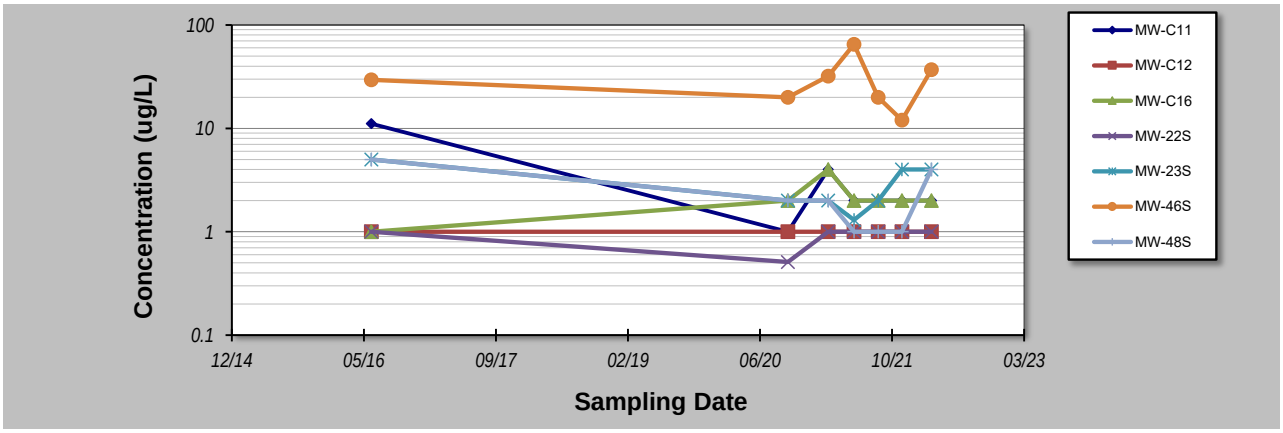
Coefficient of Variation:		1.01	0.00	0.42	0.20	0.48	0.56	0.70
Mann-Kendall Statistic (S):		-5	0	3	4	1	0	-7
Confidence Factor:		71.9%	37.9%	61.4%	66.7%	50.0%	37.9%	80.9%
Concentration Trend:		No Trend	Stable	No Trend	No Trend	No Trend	Stable	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Xylenes, Total**
Concentration Units: **ug/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	XYLENES, TOTAL CONCENTRATION (ug/L)						
1	6/7/2016	51	16.8	3	3	58.9	307	31.7
2	10/1/2020	2	2	4	9.2	38	210	18
3	3/3/2021	8	1.9	8	2	16	440	18
4	6/9/2021	4	2	4	2	22	580	12
5	9/8/2021	4	2	4	2	20	140	16
6	12/7/2021	4	2	4	2	9.8	370	19
7	3/29/2022	4	0.89	4	2	7.9	660	28
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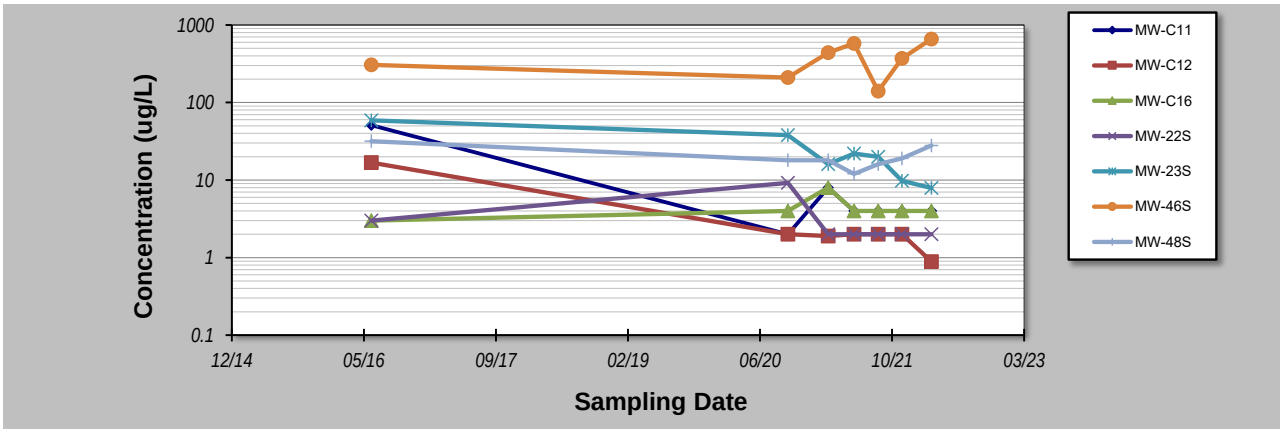
Coefficient of Variation:		1.61	1.44	0.37	0.85	0.73	0.49	0.34
Mann-Kendall Statistic (S):		-5	-9	3	-9	-17	7	0
Confidence Factor:		71.9%	88.1%	61.4%	88.1%	99.5%	80.9%	37.9%
Concentration Trend:		No Trend	No Trend	No Trend	Stable	Decreasing	No Trend	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Total Cyanide**
Concentration Units: **mg/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	TOTAL CYANIDE CONCENTRATION (mg/L)						
1	6/7/2016	0.027	0.016	0.007	0.54	0.005	0.005	0.005
2	10/1/2020	0.01	0.016	0.009	0.076	0.01	0.01	0.01
3	3/3/2021	0.04	0.01	0.01	0.092	0.005	0.01	0.01
4	6/9/2021	0.017	0.017	0.0077	0.06	0.0072	0.012	0.01
5	9/8/2021	0.015	0.013	0.0056	0.47	0.0052	0.01	0.01
6	12/7/2021	0.024	0.014	0.011	0.38	0.01	0.0066	0.0054
7	3/29/2022	0.022	0.01	0.01	0.43	0.01	0.01	0.01
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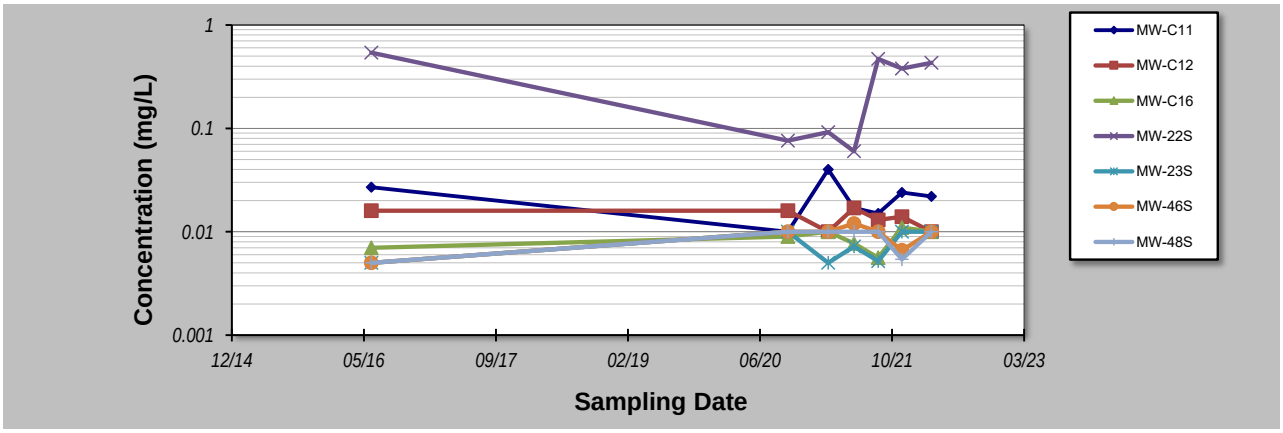
Coefficient of Variation:		0.44	0.21	0.22	0.71	0.33	0.26	0.27
Mann-Kendall Statistic (S):		-1	-7	6	1	9	3	3
Confidence Factor:		50.0%	80.9%	76.4%	50.0%	88.1%	61.4%	61.4%
Concentration Trend:		Stable	Stable	No Trend	No Trend	No Trend	No Trend	No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Sulfate**
Concentration Units: **mg/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	SULFATE CONCENTRATION (mg/L)						
1	10/1/2020	121	238	1320	10	4.1	12.7	40
2	3/3/2021	1880	214	1470	58.3	5.8	10	12.1
3	6/9/2021	3300	237	1650	46.7	7.5	10	40
4	9/8/2021	979	198	1240	22.6	6.4	10	20
5	12/7/2021	2910	171	1200	40.7	5.3	2	20
6	3/29/2022	2950	169	918	45.7	6.5	10	5.1
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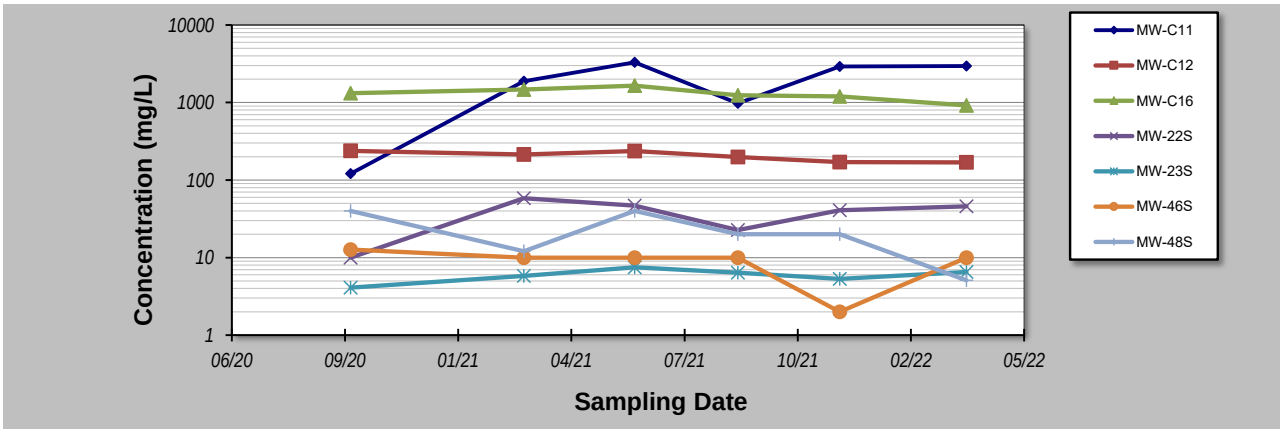
Coefficient of Variation:		0.63	0.15	0.19	0.48	0.20	0.40	0.63
Mann-Kendall Statistic (S):		7	-13	-9	1	5	-7	-7
Confidence Factor:		86.4%	99.2%	93.2%	50.0%	76.5%	86.4%	86.4%
Concentration Trend:		No Trend	Decreasing	Prob. Decreasing	No Trend	No Trend	Stable	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Methane**
Concentration Units: **ug/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	METHANE CONCENTRATION (ug/L)						
1	10/1/2020	98	1000	380	7500	3100	7900	5000
2	3/3/2021	460	820	11	4	2900	13000	3100
3	6/9/2021	380	620	20	4	2500	11000	3000
4	9/8/2021	150	770	11	96	2000	12000	2800
5	12/7/2021	470	740	26	6.1	4600	17000	1900
6	3/29/2022	270	460	6.1	4	4100	14000	4600
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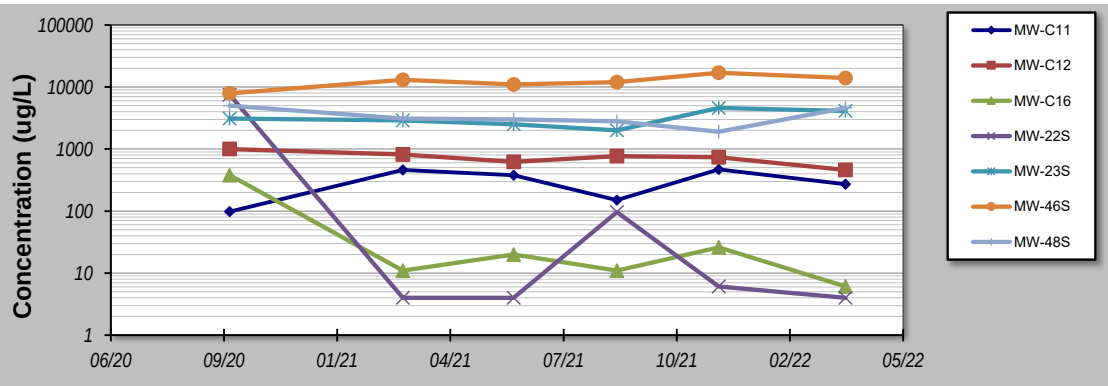
Coefficient of Variation:		0.52	0.25	1.97	2.41	0.31	0.24	0.34
Mann-Kendall Statistic (S):		3	-11	-6	-4	1	9	-7
Confidence Factor:		64.0%	97.2%	81.5%	70.3%	50.0%	93.2%	86.4%
Concentration Trend:		No Trend	Decreasing	No Trend	No Trend	No Trend	Prob. Increasing	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:		Job ID:	
Facility Name:	NYSEG - Ithaca Court Street	Constituent:	Nitrate as N
Conducted By:		Concentration Units:	mg/L

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	NITRATE AS N CONCENTRATION (mg/L)						
1	10/1/2020	0.024	0.05	0.034	0.025	0.36	0.049	0.05
2	3/3/2021	0.05	0.05	0.05	18.8	0.33	0.05	0.036
3	6/9/2021	0.024	0.023	0.041	9.2	0.2	0.05	0.05
4	9/8/2021	0.027	0.025	0.038	3.2	0.26	0.05	0.05
5	12/7/2021	0.025	0.078	0.023	6.7	0.25	0.05	0.05
6	3/29/2022	0.05	0.05	0.026	6.5	0.1	0.05	0.041
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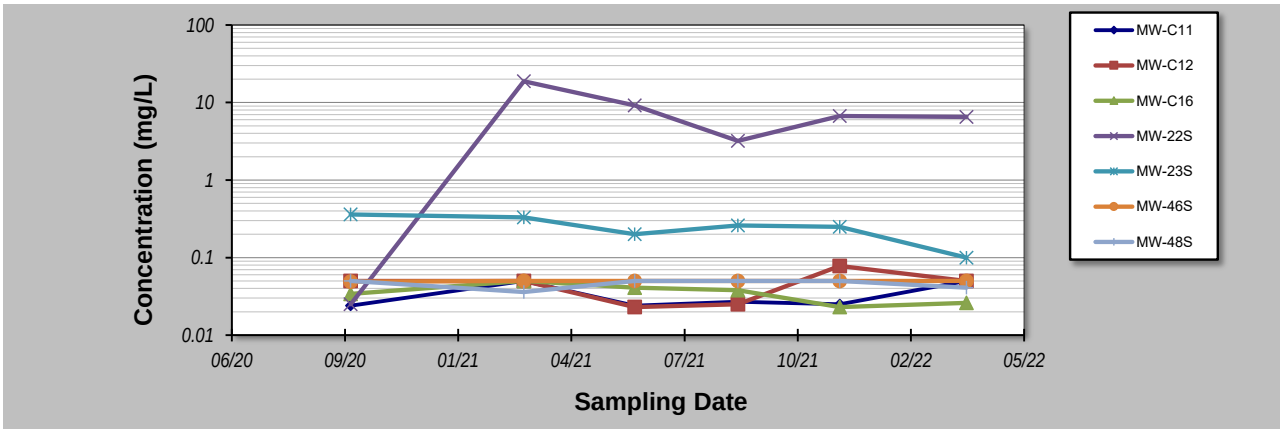
Coefficient of Variation:		0.39	0.44	0.28	0.87	0.37	0.01	0.13
Mann-Kendall Statistic (S):		5	2	-7	-1	-11	5	-1
Confidence Factor:		76.5%	57.0%	86.4%	50.0%	97.2%	76.5%	50.0%
Concentration Trend:		No Trend	No Trend	Stable	Stable	Decreasing	No Trend	Stable



Notes:

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3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:
Facility Name: **NYSEG - Ithaca Court Street**
Conducted By:

Job ID:
Constituent: **Dissolved Oxygen**
Concentration Units: **mg/L**

Sampling Point ID:	MW-C11	MW-C12	MW-C16	MW-22S	MW-23S	MW-46S	MW-48S
Sampling Event	Sampling Date	DISSOLVED OXYGEN CONCENTRATION (mg/L)						
1	10/1/2020	0.2	0.21	0.4	0.39	1.08	0.32	0.38
2	3/3/2021	0.39	0.39	1.4	5.62	0.81	0.49	0.84
3	6/9/2021	0.11	0.12	0.35	3.05	0.66	0.18	7.7
4	9/8/2021	0.31	0.22	0.46	1.62	0.36	0.22	0.21
5	12/7/2021	0.19	0.16	0.24	0.79	0.38	1.12	0.16
6	3/29/2022	1.19	0.61	1.14	2.26	0.88	0.84	0.33
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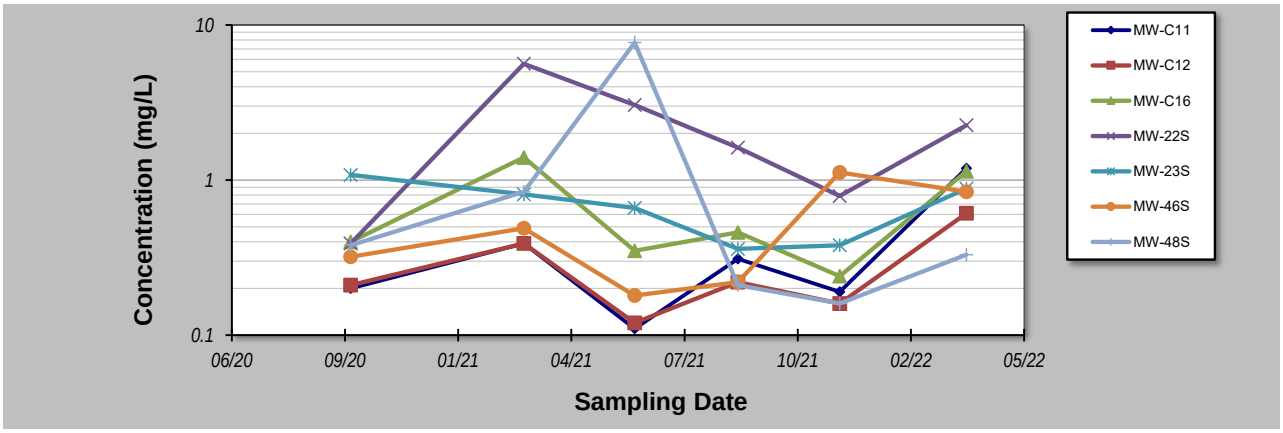
Coefficient of Variation:		1.00	0.65	0.72	0.83	0.41	0.71	1.87
Mann-Kendall Statistic (S):		3	3	-1	-1	-5	5	-5
Confidence Factor:		64.0%	64.0%	50.0%	50.0%	76.5%	76.5%	76.5%
Concentration Trend:		No Trend	No Trend	Stable	Stable	Stable	No Trend	No Trend



Notes:

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