

August 31, 2023
Project 2202159

Consulting
Engineers and
Scientists

VIA EMAIL: Oliver.Wolfe@dec.ny.gov

Mr. Oliver Wolfe
NYSDEC
625 Broadway
Albany, NY 12233-7014

**Re: Q2 2022 Groundwater Monitoring Report
NYSEG Ithaca – Court Street Former MGP Site, OU2
Ithaca, NY**

Dear Mr. Wolfe:

This letter presents to you our report on groundwater sampling for the Second Quarter of 2022 at Operable Unit 2 (OU2) of the Ithaca – Court Street former manufactured gas plant site (MGP). This report describes the work performed, field observations, analytical results, and a discussion of the findings. This work was performed according to the Draft Site Management Plan dated October 2019.

Work Performed

Sampling was performed on June 28 to 30, 2022.

The following 15 wells were sampled:

- | | |
|----------|----------|
| • MW-C11 | • MW-13S |
| • MW-C12 | • MW-33S |
| • MW-31S | • MW-40 |
| • MW-C16 | • MW-45S |
| • MW-22S | • MW-46S |
| • MW-23S | • MW-47S |
| • MW-24S | • MW-48S |
| • MW-25S | |

Note that well MW-13S was substituted for background well MW-28S, which was slated for abandonment to make way for construction at the city-owned parcel on which it was situated. The location of these wells on the site is provided on Figure 1.

Groundwater Sampling.

Groundwater sampling was performed on June 28 to 30 by Breanna Pabst and Jordan DesRosiers from GEI's Ithaca, NY office.

Depth-to-water measurements to the nearest 0.01-foot from the top of the well casings were made on all the wells to be sampled on the morning of June 28, prior to the start of sampling. The results of the groundwater gauging are presented in Table 1. Using this information and the reference elevations for the wells, the water table elevations were calculated and plotted on Figure 2. Based on these elevations the surface of the water table was contoured, and the direction of inferred groundwater flow shown.

Groundwater sampling began immediately after the first well was gauged. Purging and sampling of each well was performed by low-flow sampling techniques. Dedicated tubing in each well connected to a peristaltic pump, and the water discharged through a flow-through cell equipped with a Horiba Multiparameter meter. The following field parameters were measured during purging and sampling:

- Temperature
- pH
- Dissolved Oxygen (DO)
- Specific Conductance
- Oxidation-Reduction Potential (ORP)
- Turbidity

The field measurements are presented in well purging and sampling records, provided as Attachment 1. Purging was performed until the field parameters varied 10% or less between successive measurements. The flow-through cell was then disconnected from the outlet to the pump and the laboratory-supplied sampling bottle were filled directly from the out tubing. Purge water at each well location was collected in 5-gallon buckets, covered, and transferred to 55-gallon drums staged within a secure fenced area on the NYSEG-owned property at 420 North Plain Street, Ithaca, NY.

During this sampling wells MW-24S, MW-25S, MW-40, MW-45S, and MW-47S went dry during purging. These wells were allowed to recharge and were purged a second time. Upon recovery the samples were then obtained. Wells MW-24S, MW-25S, and MW-45S were purged dry on June 28 and samples were collected on June 29. Methane samples were taken from MW-24S before the well went dry. MW-40 was purged dry on June 29 and was sampled on June 30. MW-47S was purged dry on June 30 at 0700, the well was allowed to recharge, and samples were collected the same day at 1240.

Samples were placed in coolers on-ice and picked-up from the site by a laboratory courier under chain-of-custody procedures. The samples were delivered to Pace Analytical of Melville, NY.

Laboratory Analysis and Data Validation

The groundwater samples were analyzed for the following:

BTEX		USEPA SW 846 Method 8260
PAHs		USEPA SW 846 Method 8270 SIM
Total Cyanide		USEPA SW 846 Method 9012
Monitoring Natural Attenuation (MNA) Parameters	Methane	USEPA Method RSK-175
	Iron	USEPA SW-846 Method 6010
	Sulfate	USEPA Method 300
	Ammonia	USEPA Method 350.1
	Nitrate	EPA Method 353.2
	Alkalinity	USEPA Method SM 2320
	Ferrous Iron	USEPA Method SM 3500 Fe

A NYS ASP Level IV data package was prepared for the sample delivery groups. Note that the data package for the June 2022 sampling event was not submitted to GEI by laboratory until May 2023.

Several deviations from the work plan were encountered by the laboratory:

- The laboratory was not able to achieve the detection limits for several of the PAHs, including Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-cd)pyrene. Generally, the detection limits for these compounds were one order of magnitude above the NYSDEC guidance values (there are no groundwater standards for these compounds).
- Due to laboratory errors the ferrous iron analyses were not performed.

The implications for these lab errors are discussed below in the Results section.

The laboratory data package was reviewed by a GEI chemist and a Data Usability Summary Report was prepared according to NYSDEC's DER-10 requirements (Attachment 2). Additional laboratory requirements were added to the Data Summary Table (Table 2)

The laboratory provided an electronic data delivery (EDD) to GEI using an EQUIS format. The EDD has been modified to meet NYSDEC's requirements for submittal to the NYSDEC data portal. The data will be uploaded to the portal upon NYSDEC review and approval of the data provided in this report.

Monitoring Well Assessment and Field Issues

GEI field staff, Breana Pabst and Jordan DesRosiers, performed monitoring well condition assessments on September 19, 2022, to determine well conditions and any necessary repairs. No repairs were made and a summary of damages and issues with the monitoring wells is provided in Table 1.

Monitoring Results

The following observations are apparent for the Q2 2022 quarterly groundwater monitoring event:

- A potentiometric surface map of groundwater elevations for the site is provided on Figure 2. Groundwater generally flows west toward Washington Street and the site has a low hydraulic gradient of around .0003, meaning the water table is relatively flat.
- A summary of groundwater analytical data for the Quarterly Sampling event is available in Table 2. The compounds that were measured in exceedance of New York groundwater standard or guidance values are shown on Figure 3.
- BTEX compounds were in exceedance in 4 wells: MW-23S, MW-46S, MW-48S, and MW-C12
- PAH compounds were detected in all but three of the samples taken, MW-45S, MW-C24S, and MW-C25S. 5 Wells and the duplicate had concentrations of PAH compounds which exceeded groundwater standard or guidance values: MW-23S, MW-46S, MW-48S, MW-C12, MW-C16, and DUP MW-C16.
- One sample, MW-22S, showed an exceedance of Total Cyanide concentration of 560 ug/L.
- The following “Monitored Natural Attenuation” parameters were reviewed to assess whether intrinsic biological breakdown of BTEX and PAHs is occurring. The laboratory analytes were:
 - Iron
 - Ammonia
 - Sulfate
 - Nitrate
 - Alkalinity
 - Methane

The next quarterly groundwater sampling event is planned for September 2023.

The MNA parameters were reviewed and found to be consistent with the conclusion that intrinsic biodegradation of organic compounds is occurring within the monitored area.

If you have any questions, please feel free to contact Bruce Coulombe at 607-216-8959.

Sincerely,

GEI CONSULTANTS, INC., P.C.



Josh Prygon
Environmental Engineer



Bruce Coulombe
Project Manager

JP/BC:tc

Enclosures

Table 1. Water Level Measurements
Table 2. Groundwater Analytical Results
Figure 1. Sampling Locations
Figure 2. Water Table Map
Figure 3. Exceedances of Groundwater Standards
Attachment 1 – Field Sampling Records
Attachment 2 – Data Usability Summary Report
Attachment 3 – Laboratory Report

c: Levia Terrell - NYSEG

Document1

Tables

Table 1 - Q2 Gauging Data and Monitoring Well Assessment

Well ID	Date Gauged	Total Depth ¹ (ft bTOC)	Sump Interval (ft bTOC)	Screen Interval (ft bTOC)	Depth to Water (ft bTOC)	Depth to Water (ft bgs)	Water Elevation	NAPL Observed (Y/N)	NAPL Thickness (ft)	Well Inspection and Sampling Notes
MW - C11	9/28/2020	17.30	17 - 15	15 - 10	5.01	5.53	NA	N	NA	Full of water, cracked road box; Gray cloudy water initially noted during purging.
	3/2/2021	17.23	17 - 15	15 - 10	5.14	5.66	386.00	N	NA	Well in good condition. Water observed to be tinted and a gasoline (petroleum-like) odor was noted during purging. No sheen was observed. Approx. 5 gallons removed post-sampling to remove previously noted sedimentation/residual solids^ before well ran dry.
	6/7/2021	17.21	17 - 15	15 - 10	5.39	5.66	385.75	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	9/7/2021	17.28	17 - 15	15 - 10	5.35	5.87	385.79	N	NA	Well in good condition. Lots of mud underneath the well cap. Purge water clear, and no odor or sheen noted.
	12/6/2021	15.38	17 - 15	15 - 10	4.96	5.48	386.18	N	NA	Fine condition, no odor or sheen observed. Was scheduled to be redeveloped at the end of the GME, but a vehicle was parked over it and access was restricted.
	6/28/2022	12.41	17 - 15	15 - 10	5.42	5.94	385.72	N	NA	Roadbox flooded; sludge surrounding inner casing.
MW - C12	9/28/2020	17.21	17 - 15	15 - 10	6.64	6.85	385.56	N	NA	Good condition; Water clear during purging.
	3/2/2021	17.62	17 - 15	15 - 10	5.65	5.86	386.55	N	NA	Well in good condition. Water observed to be tinted and a gasoline/sweet (petroleum-like) odor noted during purging. No sheen observed.
	6/7/2021	17.22	17 - 15	15 - 10	6.09	6.30	386.11	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	9/7/2021	17.22	17 - 15	15 - 10	6.14	6.35	386.06	N	NA	Good condition. No sheen observed. Sulfur-like odor was noted during well purging. YSI technical difficulties, so team purged 3 well volumes before sampling. MS+MSD collected.
	12/6/2021	17.21	17 - 15	15 - 10	5.98	6.19	386.22	N	NA	Fine condition, no odor or sheen observed.
	6/28/2022	17.21	17-15	15 - 10	6.25	6.46	385.95	N	NA	Sulphur-like odor during sampling.
MW - 13S	6/28/2022	14.40	--	15 - 5	6.97	NC	NC	N	NA	Top is at an angle and cap doesn't fit with lid.
MW - C16	9/28/2020	15.98	16 - 14	14 - 9	6.65	6.87	384.66	N	NA	Well surface seal cracked, very hard to open, rusted bolts; Slight MGP odor noted during sampling, black sludge in bottom of well at commencement of purging and became clear, slight sheen observed on purge water.
	3/2/2021	15.95	16 - 14	14 - 9	3.54	3.76	387.77	N	NA	Dedicated tubing was rusty (likely iron accumulation), Purged water was tinted yellow/brown. No odor or sheen noted. Dedicated tubing to be replaced.
	6/7/2021	15.94	16 - 14	14 - 9	4.62	4.84	386.69	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	9/7/2021	15.87	16 - 14	14 - 9	5.16	5.38	386.15	N	NA	Good condition. Faint MGP-like odor noted during gauging and purging. Black specs seen in purge water. No sheen observed.
	12/6/2021	16.07	16 - 14	14 - 9	4.64	4.86	386.67	N	NA	Fine condition, no odor or sheen observed.
	6/28/2022	16.13	16 - 14	14 - 9	4.35	4.57	386.96	N	NA	Well box flooded, plug not fully sealed, sludge surrounding inner casing, and missing one bolt. Dark sediment observed at tip of probe and initially mistaken for NAPL.
MW - 22S	9/29/2020	13.10	--	14 - 4	5.10	5.51	382.05	N	NA	Good condition; Water clear during purging.
	3/2/2021	13.64	--	14 - 4	2.84	2.43	383.90	N	NA	Well located in a flower bed and in good condition. Purge water clear, and no odor or sheen noted.
	6/7/2021	13.61	--	14 - 4	4.08	4.49	382.66	N	NA	Well located in a flower bed and in good condition. Purge water clear with slight particulate suspension, and no odor or sheen noted.
	9/7/2021	13.68	--	14 - 4	4.20	4.61	382.54	N	NA	Good condition. No odor or sheen noted.
	12/6/2021	13.65	--	14 - 4	3.73	4.14	383.01	N	NA	Fine condition, no odor or sheen observed.
	6/28/2022	13.60	--	14 - 4	4.70	5.11	382.04	N	NA	No bolts on roadbox cover; no odor or sheen observed.
MW - 23S	9/29/2020	13.70	--	14 - 4	6.80	7.40	380.22	N	NA	Good condition; Water clear during purging, solvent-like odor noted during sampling.
	3/2/2021	13.69	--	14 - 4	6.22	6.82	380.80	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	6/7/2021	13.65	--	14 - 4	6.34	6.94	380.68	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted. Well has very good recharge.
	9/7/2021	13.68	--	14 - 4	6.41	7.01	380.61	N	NA	Good condition. No odor noted. Small amount of sheen observed on the surface of purge water. YSI technical difficulties, so team purged 3 well volumes before sampling.
	12/6/2021	13.67	--	14 - 4	6.32	6.92	380.70	N	NA	Fine condition. White flakes observed in the purged water. Product-like odor observed while purging.
	6/28/2022	13.70	--	14 -4	6.56	7.16	380.46	N	NA	Missing two bolts on roadbox cover; no odor or sheen observed.
MW - 24S	9/28/2020	13.50	--	14 - 4	7.23	NC	NC	N	NA	Top of PVC casing bent/crushed; Water clear during purging.
	3/2/2021	13.71	--	14 - 4	5.54	NC	NC	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	6/7/2021	13.66	--	14 - 4	6.31	NC	NC	N	NA	Well in good condition. Purge water cleared up, faint organic odor detected, no sheen detected.
	9/7/2021	13.45	--	14 - 4	6.77	NC	NC	N	NA	Located in garden in roadside verge, access restricted due to vegetation. Poor condition, missing bolts and PVC bent. Organic-like odor noted during gauging and purging. No sheen observed.
	12/6/2021	13.98	--	14 - 4	6.56	NC	NC	N	NA	Fine Condition. No sheen observed. Odor of decaying material observed while purging.
	6/28/2022	13.49	--	14 - 4	6.85	NC	NC	N	NA	Bulge on side of casing; no bolts present; purged dry on 6/28; methane samples collected on 6/28; remaining samples collected on 6/29.
MW - 25S	9/28/2020	9.40	--	10 - 3	7.12	7.34	384.10	N	NA	Partially overgrown with grass, good condition; Water clear during purging.
	3/2/2021	9.72	--	10 - 3	5.29	5.51	385.93	N	NA	Purge water initially tinted brown and became clear. No odor or sheen noted. Well ran dry on 3/3/21, allowed to recharge before being sampled 3/4/21.
	6/7/2021	9.71	--	10 - 3	6.43	6.65	384.79	N	NA	Purge water clear, no sheen or odors detected. Well has very poor recharge. Short spikes in turbidity were seen throughout the sampling process, possibly due to low water level.
	9/7/2021	9.70	--	10 - 3	6.53	6.75	384.69	N	NA	Good condition. Only one bolt. No odor or sheen noted. Well ran dry during purging and was allowed to recharge prior to sampling.
	12/6/2021	9.73	--	10 - 3	6.19	6.41	385.03	N	NA	Fine condition, no odor or sheen observed. Ran dry and was sampled at a later time.
	6/28/2022	NM	-	10 - 3	6.74	6.96	384.48	N	NA	Missing one bolt; plug not on and doesn't fit with lid; removed lock; purged dry on 6/28/22 and sampled on 6/29/22.
MW - 28S	9/28/2020	19.80	--	20 - 7	8.23	8.77	386.94	N	NA	Good condition; Water clear during purging.
	3/2/2021	19.65	--	20 - 7	7.65	8.19	387.52	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	6/7/2021	19.50	--	20 - 7	7.78	8.32	387.39	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	9/7/2021	19.55	--	20 - 7	7.78	8.32	387.39	N	NA	Good condition. Damp (decomposing) odor noted when gauging. No odor or sheen noted during purging.
	12/6/2021	19.54	--	20 - 7	7.79	8.33	387.38	N	NA	Fine condition, sulfur-like odor observed while purging. No sheen observed.
MW - 31S	9/29/2020	11.30	--	12 - 4	7.45	7.76	380.47	N	NA	Good condition; Gray cloudy water initially noted during purging.
	3/2/2021	11.34	--	12 - 4	6.61	6.92	381.31	N	NA	Well in good condition. Initial heavy silt during purging and became clear. No odor or sheen noted. Approx. 5 gallons removed post-sampling to remove previously noted sedimentation/residual solids^ before well ran dry.
	6/7/2021	11.53	--	12 - 4	6.81	7.12	381.11	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	9/7/2021	11.55	--	12 - 4	6.95	7.26	380.97	N	NA	Good condition. No odor or sheen noted. YSI technical difficulties, so team purged 3 well volumes before sampling.
	12/6/2021	11.62	--	12 - 4	6.79	7.10	381.13	N	NA	Fine condition. White flakes observed in the purged water. No odor noted.
	6/28/2022	11.59	--	12 - 4	7.52	7.83	380.40	N	NA	Good condition; rusted lock removed.

Table 1 - Q2 Gauging Data and Monitoring Well Assessment

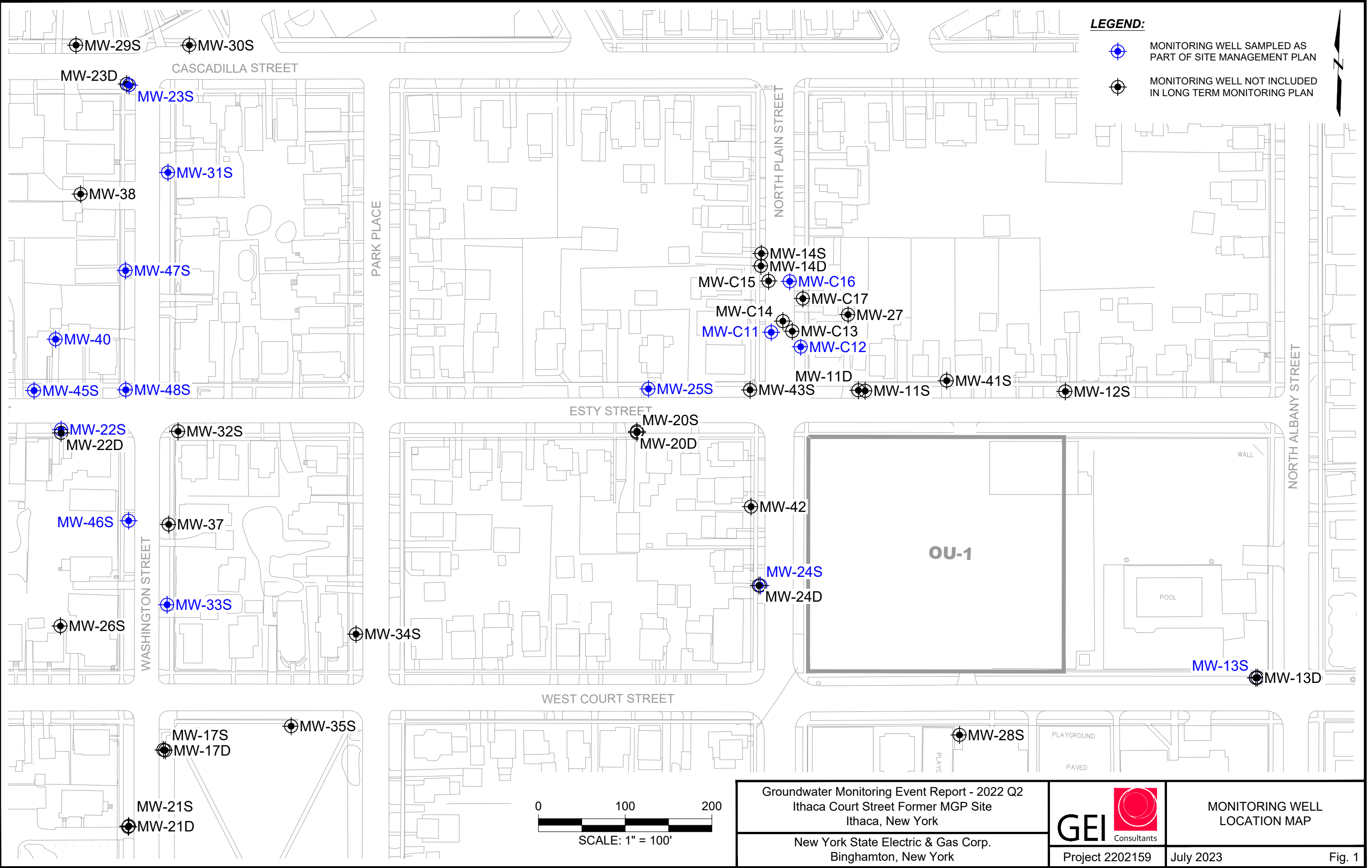
Well ID	Date Gauged	Total Depth ¹ (ft bTOC)	Sump Interval (ft bTOC)	Screen Interval (ft bTOC)	Depth to Water (ft bTOC)	Depth to Water (ft bgs)	Water Elevation	NAPL Observed (Y/N)	NAPL Thickness (ft)	Well Inspection and Sampling Notes
MW - 33S*	9/29/2020	9.52	--	10 - 2.5	6.89	7.16	380.66	N	NA	Good condition; Rust-colored water initially noted during purging.
	3/2/2021	9.51	--	10 - 2.5	2.08	2.35	385.47	N	NA	Well in good condition. Very rusty water (likely iron accumulation) near bottom of screen and no odor or sheen noted. Approx. 5 gallons removed post-sampling to remove previously noted sedimentation/residual solids^ before well ran dry.
	6/7/2021	9.48	--	10 - 2.5	4.33	4.60	383.22	N	NA	Well in good condition. Purge water initially tan and cleared towards end of purge, no odor or sheen noted.
	9/7/2021	9.47	--	10 - 2.5	4.33	4.60	383.22	N	NA	Good condition. Rust-like substance on the well casing and tubing. No sheen or odor noted.
	12/6/2021	9.51	--	10 - 2.5	3.60	3.87	383.95	N	NA	Fine condition, no odor or sheen observed.
	6/28/2022	9.48	-	10 - 2.5	5.12	5.39	382.43	N	NA	Good condition; rusted lock on plug; iron bacteria on probe.
MW - 40	9/29/2020	8.30	--	9 - 3	6.71	7.11	380.28	N	NA	Good condition; Light brown cloudy water initially noted during purging.
	3/2/2021	8.39	--	9 - 3	3.09	3.49	383.90	N	NA	Well in good condition. Purge water initially brown and then clear. A 'cleaning supply' (chemical-like) odor was noted and no sheen observed. Approx. 5 gallons removed post-sampling to remove previously noted sedimentation/residual solids^ before well ran dry.
	6/7/2021	9.38	--	9 - 3	4.99	5.39	382.00	N	NA	Concrete pad loose. Purge water clear, and no odor or sheen noted.
	9/7/2021	8.36	--	9 - 3	5.05	5.45	381.94	N	NA	Located in driveway of private property. Concrete collar is broken. No odor or sheen noted. Repair concrete collar as soon as practicable.
	12/6/2021	8.37	--	9 - 3	4.28	4.68	382.71	N	NA	Poor condition, no odor or sheen observed.
	6/28/2022	8.39	-	9 - 3	5.52	5.92	381.47	N	NA	Well heaving; concrete cracked and raised; no bolts present; concrete around lock on plug; well purged dry on 6/29/22; sampled on 6/30/22.
MW - 45S	9/29/2020	17.00	15 - 14	14 - 4	5.25	5.56	381.45	N	NA	Good condition; Gray cloudy water initially noted during purging.
	3/2/2021	14.72	15 - 14	14 - 4	3.39	3.70	383.31	N	NA	Well in good condition. Purge water initially brown and then clear. Some rusty particulate (likely iron accumulation) was observed 5 minutes into purging. No odor or sheen noted. Approx. 5 gallons removed post-sampling to remove previously noted sedimentation/residual solids^ before well ran dry.
	6/7/2021	14.68	15 - 14	14 - 4	4.74	5.05	381.96	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted. Approx. 3.5 gallons were purged for redevelopment at the end of the sampling event.
	9/7/2021	14.85	15 - 14	14 - 4	4.55	4.86	382.15	N	NA	Good condition. No odor or sheen noted. Very poor recharge rate, ran dry during purging and allowed to recharge prior to completion of sampling. Re-developed following sampling, 0.07 feet of depth gained (14.78 - 14.85 ft bTOC).
	12/6/2021	19.80	15 - 14	14 - 4	4.15	4.46	382.55	N	NA	Fine condition, no odor or sheen observed. Ran dry and was sampled at a later time. An attempt to removed sediments and residual solids was made at the end of the GME, no additional depth was gained.
	6/28/2022	14.90	15 - 14	14 - 4	5.10	5.41	381.60	N	NA	Missing one bolt; purged dry on 6/28/22; sampled on 6/29/22.
MW - 46S	9/29/2020	16.70	--	18 - 8	5.01	5.38	382.60	N	NA	Good condition; Water clear during purging.
	3/2/2021	17.02	--	18 - 8	3.66	4.03	383.55	N	NA	Well in good condition. Purge water tinted light brown and rust particulate (likely iron accumulation) observed. Slight sulfur odor noted. No sheen noted.
	6/7/2021	16.78	--	18 - 8	4.13	4.50	383.08	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	9/7/2021	16.88	--	18 - 8	4.34	4.71	382.87	N	NA	Good condition. A brown substance was left of the interface probe after gauging. Slight organic/product-like odor observed during gauging and sampling. Sheen was observed in purge water. Dup-1 collected.
	12/6/2021	16.88	--	18 - 8	3.80	4.17	383.41	N	NA	Fine condition. Product like odor indicated during gauging. Sheen observed on purge water
	6/28/2022	16.84	--	18 - 8	4.53	4.90	382.68	Y	0.1	Plug not on casing; NAPL-like odor; sheen on purge water; trace of NAPL on probe.
MW - 47S	9/29/2020	14.50	--	15 - 5	5.01	5.33	382.44	N	NA	Good condition; Gray cloudy water initially noted during purging.
	3/2/2021	14.69	--	15 - 5	3.87	4.19	383.58	N	NA	Well head rusted. Purge water was clear with rust particulates (likely iron accumulation). No odor or sheen was noted.
	6/7/2021	14.64	--	15 - 5	4.67	4.99	382.78	N	NA	Well in good condition. Purge water clear, no odor detected, sheen was noted during purging for one interval, and was not observed again.
	9/7/2021	14.65	--	15 - 5	4.75	5.07	382.70	N	NA	Good condition. Black particulates observed in purge water. No odor noted. YSI technical difficulties, so team purged 3 well volumes before sampling. Well went dry and was allowed to recharge before sampling.
	12/6/2021	14.86	--	15 - 5	4.33	4.65	383.12	N	NA	Fine condition, no odor or sheen observed. Ran dry and was sampled at a later time.
	6/28/2022	15.00	--	15 - 5	4.95	5.27	382.50	N	NA	Missing one bolt; purged dry during sampling on 6/30/22; samples slightly murky.
MW - 48S	9/29/2020	14.30	15 - 14	14 - 4	4.12	4.42	382.73	N	NA	Good condition; Gray/black cloudy water initially noted during purging and odor noted during sampling.
	3/2/2021	13.24	15 - 14	14 - 4	3.51	3.81	383.34	N	NA	Well in good condition. Purge water initially cloudy and then clear. A slight sulfur odor was noted at the commencement of purging. No sheen was noted. Approx. 5 gallons removed post-sampling to remove previously noted sedimentation/residual solids^ before well ran dry.
	6/7/2021	13.20	15 - 14	14 - 4	3.98	4.28	382.87	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted. Approx. 2.5 gallons were purged for redevelopment at the end of the sampling event.
	9/7/2021	13.38	15 - 14	14 - 4	3.88	4.18	382.97	N	NA	Good condition. Faint organic-like (clay) odor noted during gauging. Product-like odor observed during first few minutes of purging. No sheen observed. Re-developed following sampling, 0.09 feet of depth gained. (13.39 - 13.48 ft bTOC).
	12/6/2021	13.52	15 - 14	14 - 4	3.78	4.08	383.07	N	NA	Fine condition, sheen observed. Metallic-like odor observed during purging. An attempt to remove sediments and residual solids was made at the end of the GME, 0.03ft of depth was gained.
	6/28/2022	13.42	15 - 14	14 - 4	4.10	4.40	382.75	N	NA	NAPL-like odor when sampling; sheen on purge water.

Notes:
* - MW-33S was mislabeled as MW-36S during the 2021 Q4 GME on field forms, chain of custody, and lab report.
1. Measured at the time of gauging
2. ft bTOC- feet below top of casing
3. ft bgs - feet below ground surface
4. NM - Not measured
5. -- Information not available.
6. NC - Not calculated as ground surface elevation data not available
7. NA - Not applicable

Table 2. Ithaca Court Street-June 2022
Groundwater Analysis Results
NYSEG - Ithaca, NY

Sample Name Sample Date Parent Sample				MW-13S 6/29/2022	MW-22S 6/30/2022	MW-23S 6/30/2022	MW-31S 6/30/2022	MW-33S 6/30/2022	MW-40 6/30/2022	MW-45S 6/28/2022	MW-46S 6/30/2022	MW-47S 6/30/2022	MW-48S 6/30/2022	MW-C11 6/29/2022	MW-C12 6/29/2022	MW-C16 6/29/2022	DUP 01 6/29/2022 MW-C16	MW-C24S 6/29/2022	MW-C25S 6/29/2022
Analyte	Units	CAS No.	NYS AWQS																
BTEX																			
Benzene	ug/L	71-43-2	1	1 U	1 U	2.5	1 U	1 U	1 U	1 U	313	1 U	64.8	1 U	2	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	3	1 U	1 U	1 U	1.1	3.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	103	1 U	1 U	1 U	1 U	355	1 U	18.7	1 U	1.4	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	3 U	3 U	69.2	3 U	3 U	3 U	3 U	138	3 U	16.6	3 U	3 U	3 U	3 U	3 U	3 U
Total BTEX (ND=0)			NE	ND	ND	177.7	ND	ND	ND	1.1	809.8	ND	100.1	ND	3.4	ND	ND	ND	ND
PAH16																			
Acenaphthene	ug/L	83-32-9	20*	0.031	0.019 U	81	0.022	0.02 U	0.02 U	0.02 UJ	39.8	0.95	27	0.81	93	13.7	11.8	0.019 U	0.023 U
Acenaphthylene		208-96-8	NE	0.021 U	0.019 U	1.5	0.02 U	0.02 U	0.02 U	0.02 UJ	1.7	0.031	0.94	0.11	0.83	0.22	0.23	0.019 U	0.023 U
Anthracene		120-12-7	50*	0.021 U	0.019 U	3.9	0.02 U	0.02 U	0.02 U	0.02 UJ	2.2	0.02 U	1.3	0.019 U	0.071	0.044	0.045	0.019 U	0.023 U
Benzo(a)anthracene		56-55-3	0.002*	0.021 U	0.019 U	0.096	0.02 U	0.02 U	0.02 U	0.02 UJ	0.97	0.02 U	0.044	0.019 U	0.02 U	0.023	0.022	0.019 U	0.023 U
Benzo(b)fluoranthene		205-99-2	0.002*	0.021 U	0.019 U	0.019 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.51	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.023 U
Benzo(k)fluoranthene		207-08-9	0.002*	0.021 U	0.019 U	0.019 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.37	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.023 U
Benzo(g,h,i)perylene		191-24-2	NE	0.021 U	0.019 U	0.019 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.28	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.023 U
Benzo(a)pyrene		50-32-8	ND	0.021 U	0.019 U	0.019 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.85	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.023 U
Chrysene		218-01-9	0.002*	0.021 U	0.019 U	0.096	0.02 U	0.02 U	0.02 U	0.02 UJ	0.9	0.02 U	0.044	0.019 U	0.02 U	0.022	0.022	0.019 U	0.023 U
Dibenz(a,h)anthracene		53-70-3	NE	0.021 U	0.019 U	0.019 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.1	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.023 U
Fluoranthene		206-44-0	50*	0.021 U	0.019 U	2	0.02 U	0.02 U	0.02 U	0.02 UJ	1.6	0.02 U	0.56	0.024	0.029	0.54	0.58	0.019 U	0.023 U
Fluorene		86-73-7	50*	0.021 U	0.019 U	19.8	0.02 U	0.02 U	0.02 U	0.02 UJ	9.8	0.039	3.1	0.019 U	13	1.6	1.7	0.019 U	0.023 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.021 U	0.019 U	0.019 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.23	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.023 U
Naphthalene		91-20-3	10*	0.021 U	0.019 U	48.4	0.08	0.027	0.088	0.02 UJ	158	0.17	92.8	0.019 U	0.067	0.031	0.037	0.019 U	0.023 U
Phenanthrene		85-01-8	50*	0.021 U	0.019 U	16.7	0.02 U	0.02 U	0.02 U	0.02 UJ	6.5	0.02 U	4.2	0.019 U	0.58	0.1	0.13	0.019 U	0.023 U
Pyrene		129-00-0	50*	0.021 U	0.019 U	2.9	0.02 U	0.02 U	0.02 U	0.02 UJ	2.7	0.02 U	0.77	0.027	0.029	0.75	0.82	0.019 U	0.023 U
Total PAH (16) (ND=0)			NE	0.031	ND	176.392	0.102	0.027	0.088	ND	226.51	1.19	130.758	0.971	107.606	17.03	15.386	ND	ND
Total Metals																			
Iron	ug/L	7439-89-6	300	266	254	2520	198	8930	4100	2290	5600	21700	5300	2980	1250	11100	13900	395	377
Cyanides																			
Total Cyanide	ug/L	57-12-5	200	10 U	560	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12.3	10 U	10 U	10 U	24.2
Other																			
Carbonate Alkalinity as Calcium carbonate	mg/L	CO3	NE	302	257	260	285	416	180	116	315	311	354	547	449	510	534	338	608
Ammonia	mg/L	7664-41-7	2000	0.1 UJ	0.1 UJ	1.5 J	0.1 UJ	1.3 J	0.47 J	3.3 J	2.5 J	4.2 J	1.4 J	0.88 J	0.83 J	0.23 J	0.33 J	0.16 J	0.1 UJ
Methane	ug/L	74-82-8	NE	24.3 J	137	2050	104	81.1	447	1410	6650	6250	7610	76.1	273	5.1	3.8	127	3.6
Nitrate as Nitrogen	mg/L	14797-55-8	10000	1.3 J	6.8	0.05 U	0.068	0.05 U	0.58	74.5 J	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.095 J	0.06 J	0.082 J	0.05 UJ
Nitrite as Nitrogen	mg/L	14797-65-0	1000	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Total Nitrogen	mg/L	7727-37-9	NE	1.3 J	6.8	0.05 U	0.073	0.05 U	0.59	74.5 J	0.05 U	0.05 U	0.05 U	0.05 UJ	0.051 J	0.11 J	0.085 J	0.1 J	0.05 UJ
Sulfate	mg/L		250000	35.9	40.9	5 U	16.5	24.9	5.5	5 U	5 U	5.1	5 U	5 U	130	5 U	5 U	17.8	163
Field Measurements																			
Temp	°C			20.14	21.01	15.31	12.84	13.57	16.56	19.03	15.44	14.04	18.68	10.35	14.11	21.83		15.18	14.6
Specific Conductivity	mS/cm			2.02	0.681	0.974	0.842	1.75	0.392	1.06	0.943	0.954	3.83	3.63	1.4	2.56		1.54	4.24
DO	mg/L			0.71	1.29	0.5	0.99	0.86	1.04	0.79	0.62	0.83	0.65	0.68	1.07	0.61		2.46-3.25	1.14
pH	S.U.			6.92	6.39	6.72	6.61	6.66	6.68	6.7	6.92	6.91	6.95	6.9	6.9	6.78		7.22	6.82
ORP	mV			-92	248	-90	-80	-164	-71	-69	-208	-174	-220	-161	-208	-151		-89	-93
Turbidity	NTU			0	6.9	1.3	6.7	2.8	12.5	8.4	0	14.8	0	3.8	0	4.4		0	0

Figures



Groundwater Monitoring Event Report - 2022 Q2
Ithaca Court Street Former MGP Site
Ithaca, New York

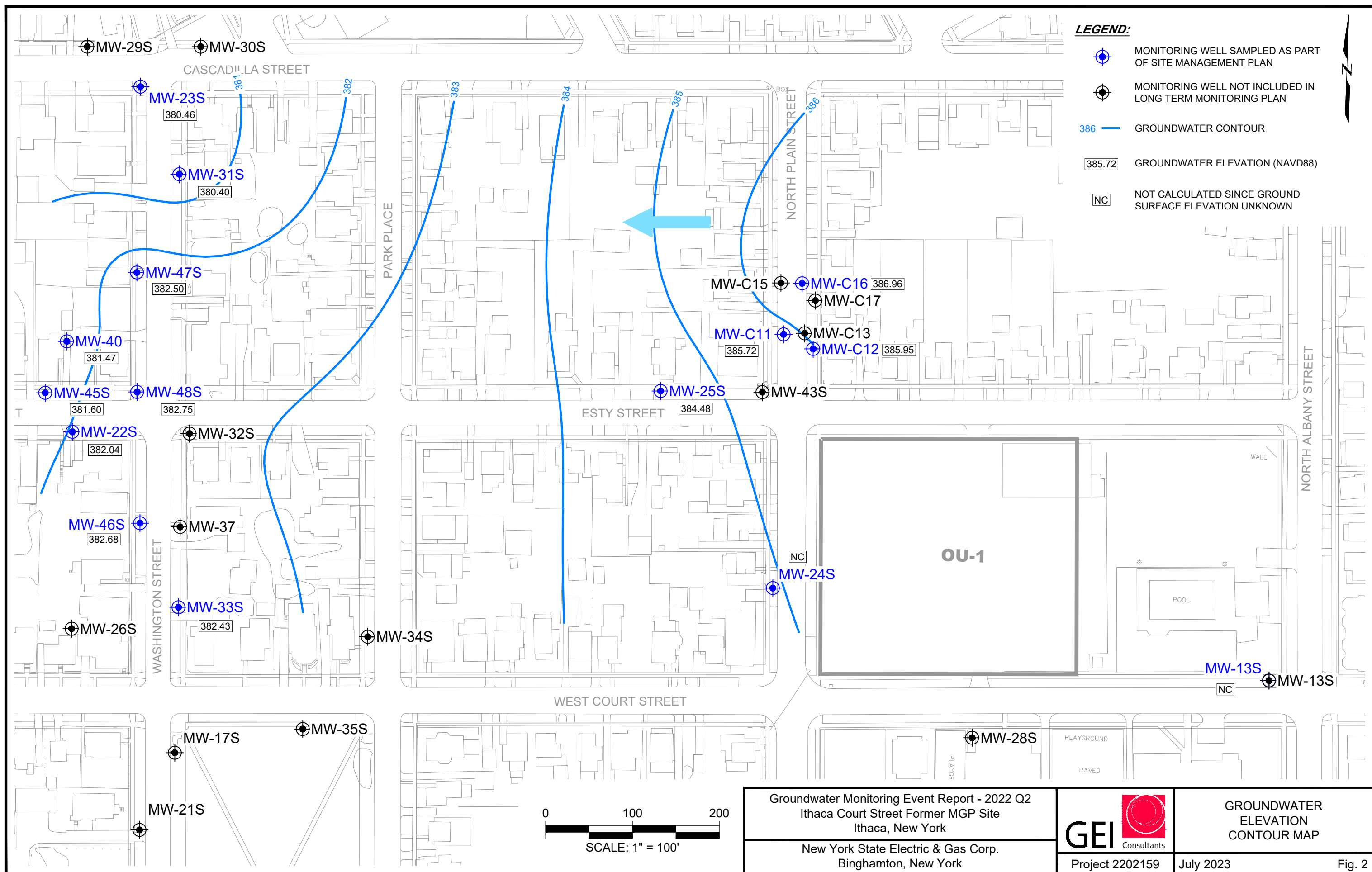
New York State Electric & Gas Corp.
Binghamton, New York

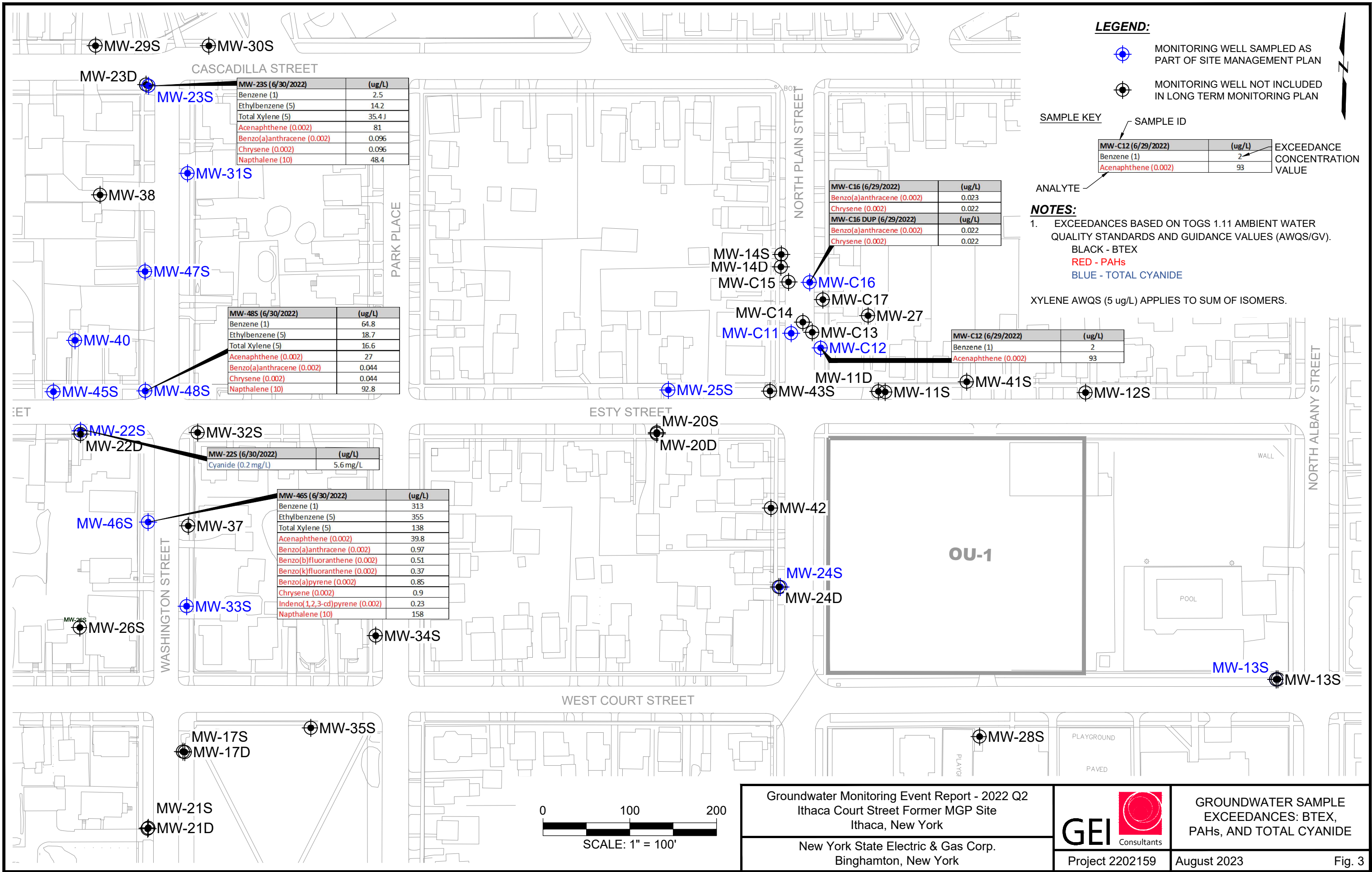


MONITORING WELL
LOCATION MAP

Project 2202159 July 2023

Fig. 1





Attachment 1

Field Sampling Records

Low-Flow Groundwater Sampling Form

Project number and name: 2002189 NYSEG T4 Area East of Sampling personnel: J. DeRosa Sample date: 6/29/22 Well ID: MW-C23

Well Construction	2"
Well diameter	
Well measurement point	top of inner casing
Roadbox condition	sludge separating inner casing
Well screen interval	10-15
Well depth	12.41'

Stabilized flow rate = flow rate with no further drawdown

$$0.057 \text{ gal/min} = 216 \text{ m}^3/\text{min}$$

Other
★ See Car

Turb. 3.1 NTU

Depth to water.
6 4/5

Notes: Volume collected = 2 gallons
Sediment in sample containers

other:

NO

where $r = 1/2$ diameter in ft

Turb. +/- 10% if values >1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

Low-Flow Groundwater Sampling Form

Project number and name 2202159 Ithaca Court St Sampling personnel B. Pabst Sample date 6/29 Well ID MW-C12

Well Construction	
Well diameter	2"
Well measurement point	TIC
Roadbox condition	Good
Well screen interval	10-15'
Well depth	17.21'

Initial depth to water G.27' Time: 8:24
 Sample intake depth ~12
 Pump type and ID Geopump & Honiba
~~Stabilized~~ flow rate ~380 mL/min
 Stabilized flow rate = flow rate with no further drawdown

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	

See VOC

Time:	<u>900</u>	Depth to water:	<u>7.65</u>
Sp. Cond.	<u>1.40</u> mS/cm		
DO	<u>1.07</u> mg/L		
ORP	<u>-208</u> mV		
pH	<u>6.90</u> s.u.		
Temp.	<u>14.11</u> °C		
Turb.	<u>0.0</u> NTU		

[illegible]

Notes: Sulphur-like odor in large water

$$3.5 \text{ gal} / 35 \text{ min} = 0.1 \text{ gal/min} \approx 380 \text{ mL/min}$$

Sample ID MW-C12

Sample Time: 900

Color: clear

Turbidity: 0.0 NTU

Field Filtered YES (NO) Analyses: N/A

Filter type: N/A

Odor/Sheen/NAPL Sulphur-like odor

Duplicate Collected YES (NO)

If yes, duplicate ID: N/A

Purge water disposal? to ground (drummed)

Diam. (in)	Factor (gal/ft)
1	0.04
1.5	0.09
2	0.16
4	0.65
6	1.50

well volume =
 $3.14 \times (r)^2 \times 7.48 \text{ gal/ft}$
 where $r = 1/2 \text{ diameter in ft}$

Sp.Cond. +/- 3%
DO +/- 10%
ORP +/- 10 mV
pH +/- 0.1 Std Units
Temp. +/- 3%
Turb. +/- 10% if values > 1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min. contact PM

Low-Flow Groundwater Sampling Form

Well location description: West side of Plain St.

Sampling Information

Initial depth to water: 5.58' Time: 10:25

Samples Collected: ☐ VOCs 8260

Field values at time of sample collection:

Time: 11:00 Depth to water: _____

Well diameter	6	Pump type and ID	Greenum 3 Harbor	VPH		DO	0.51	mg/L
---------------	---	------------------	------------------	-----	--	----	------	------

Well measurement point	top of inner casing	Stabilized flow rate	~210 mL/min	EPH		ORP	-153	mV
------------------------	---------------------	----------------------	-------------	-----	--	-----	------	----

Roadbox condition	Sludge screening IC, missing 2 feet	Stabilized flow rate = flow rate with no further drawdown	Metals	pH	6.79	SS
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Well screen interval	9-14'	PCRs		Temp	22	°C
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Well depth	1613'	Ac	Other		Turb	4.0	NTU
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Other
see Cor

Sample Information:

Sample ID MW-716

Sample Time: 11:00

Color: Clear

Turbidity: 4.0 NTU

Field Filtered YES/NO ☒ Analyses: ☒

Filter type: N/A

Odor/Sheen/NAPL: A very faint probe

Duplicate Collected YES) NO /

If yes, duplicate ID: 240 01

Purge water disposal? to ground ☒ drummed ☐ other:Well Volume Conversion:

Diam. (in)	Factor (gal/ft)
1	0.04
1.5	0.09
2	0.16
4	0.65
6	1.50

well volume =
 $3.14 \times (r)^2 \times 7.48 \text{ gal/ft}$
 where $r = 1/2 \text{ diameter in ft}$

Stabilization Criteria:

Sp.Cond. +/- 3%
DO +/- 10%
ORP +/- 10 mV
pH +/- 0.1 Std Units
Temp. +/- 3%
Turb. +/- 10% if values >1 NTU

Guidance:

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

Notes: volume collected = 2 gallons

$$2 \text{ gallons} / 35 \text{ min} = 0.0571 \text{ gal/min} = \sim 210 \text{ ml/min}$$

Project number and name	2202159	Sampling personnel	B. Pabst	Sample date	6/29/22	Well ID	MW-135
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Well depth

Stabilized flow rate = flow rate with no further drawdown

Other ☐
*see COC

Turb. 0.0 NTU

C-98

[illegible]

Notes: Some specks in samples
 $2 \text{ gallons} / 30 \text{ min} = 0.067 \text{ gal/min} = \sim 250 \text{ mL/min}$

other:

MS-MW-133 + MSD-MW133

Turb. +/- 10% if values >1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

Low-Flow Groundwater Sampling Form

Project number and name 2202159 Ithaca Court St Sampling personnel S. DeLozier Sample date 6/30/22 Well ID MW-225

Well Construction	
Well diameter	2"
Well measurement point	top of inner casing
Roadbox condition	no bolts
Well screen interval	9-14'
Well depth	13.6'

Initial depth to water 9.84' Time: 04:40
 Sample intake depth 11'
 Pump type and ID Geopump + Honda
~~Stabilized flow rate~~ ~ 380 ml/min
 Stabilized flow rate = flow rate with no further drawdown

- ☐ VOCs 8260
- ☐ SVOCs 8270
- ☐ VPH
- ☐ EPH
- ☐ Metals
- ☐ PCBs
- ☐ Other

Time:	<u>10:00</u>	Depth to water:	<u>5.32'</u>
Sp. Cond.	<u>0.678</u>	ms/cm	
DO	<u>1.20</u>	mg/L	
ORP	<u>251</u>	mV	
pH	<u>6.24</u>	s.u.	
Temp.	<u>20.62</u>	°C	
Turb.	<u>7.8</u>	NTU	

[illegible]

Notes: Total volume collected = 2 cullins

$$2 \text{ gal} / 20 \text{ min} = 0.1 \text{ gal/min} = 380 \text{ mL/min}$$

Sample ID: NW-225

Sample Time: 10:00

Color: Clear

Turbidity: 7.8 NTU

Field Filtered YES/NO: NO

Analyses: N/A

Filter type: N/A

Odor/Sheen/NAPL: NO

Duplicate Collected YES/NO: NO

If yes, duplicate ID: _____

Purge water disposal? to ground drummed

Diam. (in)	Factor (gal/ft)
1	0.04
1.5	0.09
2	0.16
4	0.65
6	1.50

well volume =
 $3.14 \times (r)^2 \times 7.48 \text{ gal/ft}$
 where $r = 1/2 \text{ diameter in ft}$

Sp.Cond. +/- 3%
DO +/- 10%
ORP +/- 10 mV
pH +/- 0.1 Std Units
Temp. +/- 3%
Turb. +/- 10% if values >1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

Project number and name	220159 IH Area Cont ST	Sampling personnel	J. DeGroot	Sample date	6/30/22	Well ID	MW-235
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Well depth 13.71

Stabilized flow rate = flow rate with no further drawdown

Other	
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Turb. 1.1 NTU[illegible]

Notes: total volume collected = 1.5 gallons

$$1.5 \text{ gallons} / 20 \text{ min} = 0.075 \text{ gal/min} = 280 \text{ mL/min}$$

Purge water disposal? to ground drummed

well volume =
 $3.14 \times (r)^2 \times 7.48 \text{ gal/ft}$
 where $r = 1/2 \text{ diameter in ft}$

Turb. +/- 10% if values >1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

* Sheet 1/2

Well location description:	W. side of Plain St., West of Pingground	Sampling Information	6.84' ^{deep} 7.84' ^{Time: 11.53}	Samples Collected	Field values at time of sample collection:
Well Construction		Initial depth to water		VOCs 8260	Time: 14.45
Well diameter	2"	Sample intake depth	~10'	SVOCs 8270	Depth to water: 9.21
Well measurement point	Top of inner casing	Pump type and ID	Geopump & Hanna	VPH	Sp. Cond. 1.52 mS/cm
Roadbox condition	Signs of wear	Stabilized flow rate	~200 ml/min	EPH	DO 2.72 mg/L
Well screen interval	4.14'	Stabilized flow rate = flow rate with no further drawdown		Metals	ORP -72 mV
Well depth	13.49'			PCBs	pH 7.5 s.u.
				Other	Temp. 17.39 °C
					Turb. 2.8 NTU

6.43p4

pulling air

other:

Stabilization Criteria:
 Sp. Cond. +/- 3%
 DO +/- 10%
 ORP +/- 10 mV
 pH +/- 0.1 Std Units
 Temp. +/- 3%
 Turb. +/- 10% if values >1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

* Methane samples collected on 6/28. Well went dry so remaining samples collected on 6/29

* sheet 2/2

Well location description: W. side of
Plano St.

Initial depth to water 7.39 Time: 700
 Sample intake depth ~10'
 Pump type and ID Geopump / Horizon
 Stabilized flow rate unknown
 Stabilized flow rate = flow rate with no further drawdown

- ☐ VOCs 8260
- ☐ SVOCs 8270
- ☐ VPH
- ☐ EPH
- ☐ Metals
- ☐ PCBs
- ☐ Other

Time:	<u>7:05</u>		Depth to water:	<u>7.97'</u>
Sp. Cond.	<u>1.50</u>	mS/cm		
DO	<u>2.26</u>	mg/L		
ORP	<u>-89</u>	mV		
pH	<u>7.00</u>	s.u.		
Temp.	<u>15.36</u>	°C		
Turb.	<u>0.0</u>	NTU		

* See Coc

[illegible]

Notes: * Methane Samples collected on 6/28
Remaining collected 6/29
well purged dry on 6/28

Sample ID MW-245

Sample Time: 705

Color: clear

Turbidity: 0.0 NTU

Field Filtered YES NO Analyses: N/A

Filter type: N/A

Odor/Sheen/NAPL None

Duplicate Collected YES NO

If yes, duplicate ID: N/A

Purge water disposal? to ground drummed other:

Diam. (in)	Factor (gal/ft)
1	0.04
1.5	0.09
2	0.16
4	0.65
6	1.50

well volume =
 $3.14 \times (r)^2 \times 7.48 \text{ gal/ft}$
 where $r = 1/2 \text{ diameter in ft}$

Sp. Cond. +/- 3%
DO +/- 10%
ORP +/- 10 mV
pH +/- 0.1 Std Units
Temp. +/- 3%
Turb. +/- 10% if values >1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

Project number and name	2202159 Ithaca Court	Sampling personnel	Breana Paloski	Sample date	6/30	Well ID	MW-315
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Time:	<u>720</u>	Depth to water:	<u>7.18</u>
Sp. Cond.	<u>0.842</u> mS/cm		
DO	<u>0.99</u> mg/L		
ORP	<u>-80</u> mV		
pH	<u>6.61</u> s.u.		
Temp.	<u>12.84</u> °C		
Turb.	<u>6.7</u> NTU		

Well depth 6' 15" 11.59'

Other

Purge water disposal? to ground drummed other:

Sp.Cond. +/- 3%
DO +/- 10%
ORP +/- 10 mV
pH +/- 0.1 Std Units
Temp. +/- 3%
Turb. +/- 10% if values >1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

Project number and name 2202159 Ithaca Court St. Sampling personnel Breana Pakist Sample date 6/30 Well ID MW-33S

Well depth

Stabilized flow rate = flow rate with no further drawdown

Other

Turb

* see COC

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

Stabilization Criteria:
 Sp.Cond. +/- 3%
 DO +/- 10%
 ORP +/- 10 mV
 pH +/- 0.1 Std Units
 Temp. +/- 3%
 Turb. +/- 10% if values > 1 NTU

Iron bacteria on probe

Low-Flow Groundwater Sampling Form

Project number and name 2202159 MSEG Ithaca Cant St. Sampling personnel J. DeLorenzo Sample date 6/29/22 Well ID MW-405

Well location description: East side of East St.

Well Construction 2"

Well diameter 2"

Well measurement point top of inner casing

Roadbox condition Poor Concrete cracked and raised

Well screen interval 3-9

Well depth 8.39'

Sampling Information

Initial depth to water 5.65 Time: 1400

Sample intake depth 8'

Pump type and ID Geopump 3 Hori ba

Stabilized flow rate unknown

Stabilized flow rate = flow rate with no further drawdown

Samples Collected

VOCs 8260 ☐

SVOCs 8270 ☐

VPH ☐

EPH ☐

Metals ☐

PCBs ☐

Other Sec Loc

Field values at time of sample collection:

Time: 11:30 Depth to water: 6.04

Sp. Cond. 0.349 mS/cm

DO 1.17 mg/L

ORP -82 mV

pH 6.66 s.u.

Temp. 16.56 °C

Turb. 8.4 NTU

Cumulative Time (min.)	Volume (gal)	Water depth (ft)	Temp. (°C)	Sp.Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turb. (NTU)
Typical Groundwater Values			5 to 15	0.05 to 5	0 to 4	5 to 7	-100 to +500	aim for <10
14:00	5.65	5.65	24.71	0.001	6.51	5.77	60	601
14:05		5.88	17.97	0.001	8.79	5.39	78	470
14:10		5.98	18.02	0.001	8.56	5.33	88	348
14:15		6.02	17.88	0.001	8.48	5.31	90	328
14:20		8.10	17.48	0.001	8.36	5.30	95	294
14:25		8.15	17.19	0.001	8.44	5.29	97	273
14:30		6.20	18.53	0.001	7.69	5.21	71	258
14:35		went	dry - purged dry					
11:25	0.5	5.84	16.56	0.392	1.04	6.68	-71	12.5

Notes: Total Volume Collected = 1.5 gallons (6/29) + 0.5 gallons (6/30) = 2.0 gallons

Purged on 6/29 + sampled on 6/30

Sample Information:

Sample ID MW-405 on 6/30

Sample Time: 11:30

Color: clear

Turbidity: 8.4

Field Filtered YES ☒ NO

Analyses: N/A

Filter type: N/A

Odor/Sheen/NAPL NO

Duplicate Collected YES ☒ NO

If yes, duplicate ID: _____

Purge water disposal? to ground ☒ drummed other: _____

Well Volume Conversion:

Diam. (in)	Factor (gal/ft)
1	0.04
1.5	0.09
2	0.16
4	0.65
6	1.50

well volume = $3.14 \times (r)^2 \times 7.48$ gal/ft
where r = 1/2 diameter in ft

Stabilization Criteria:

Sp. Cond. +/- 3%
DO +/- 10%
ORP +/- 10 mV
pH +/- 0.1 Std Units
Temp. +/- 3%
Turb. +/- 10% if values >1 NTU

Guidance:

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

Low-Flow Groundwater Sampling Form

Project number and name 2202159 NYSEG Ithaca Cont. St. Sampling personnel J. DeRosa Sample date 6/28/21 Well ID MW-455

Well location description: East side of Esty St

Well Construction
Well diameter 2"
Well measurement point top of inner casing
Roadbox condition Missing 1 bolt
Well screen interval 24-14'
Well depth 14.9'

Sampling Information

Initial depth to water 5.1' Time: 15:45
Sample intake depth ~9 ft
Pump type and ID Geopump & Hauha
Stabilized flow rate ~190 ml/min → sampling flow rate
Stabilized flow rate = flow rate with no further drawdown

Samples Collected

VOCs 8260
SVOCs 8270
VPH
EPH
Metals
PCBs
Other

Field values at time of sample collection:

Time: 13:05 Depth to water: 7.61
Sp. Cond. 1.05 mS/cm
DO 0.84 mg/L
ORP -59 mV
pH 6.50 s.u.
Temp. 19.48 °C
Turb. 8.8 NTU

★ See COC

Cumulative Time (min.)	Volume (gal)	Water depth (ft)	Temp. (°C)	Sp. Cond. (mS/cm)	D.O. (mg/L)	pH (s.u.)	ORP (mV)	Turb. (NTU)
Typical Groundwater Values			5 to 15	0.05 to 5	0 to 4	5 to 7	-100 to +500	aim for <10
15:45		5.1	18.03	1.19	1.17	7.08	-110	6.4
15:50		6.19	17.95	1.19	1.01	6.71	-94	4.0
15:55		6.72	17.53	1.21	0.91	6.49	-55	7.4
16:00		7.28	17.29	1.20	0.84	6.33	-60	6.6
16:05		8.07	16.66	1.18	0.75	6.23	-85	4.5
16:10		8.46	16.34	1.18	0.71	6.18	-86	3.2
16:15		went dry	purged dry					
12:40		5.2	29.80	1.22	1.23	7.20	-121	2.2
12:45		5.73	23.98	1.06	0.88	7.41	-92	7.5
12:50		6.24	21.22	1.03	0.64	6.90	-82	8.1
12:55		7.03	20.13	1.06	0.72	6.79	-74	8.9
13:00		7.34	19.93	1.06	0.79	6.70	-69	8.4
Total = 1								

Sample Information:

Sample ID MW-455
Sample Time: 13:05
Color: Clear
Turbidity: 8.8 NTU
Field Filtered YES ☒ NO
Analyses: N/A
Filter type: N/A
Odor/Sheen/NAPL N/A
Duplicate Collected YES ☒ NO
If yes, duplicate ID: _____

Well Volume Conversion:

Diam. (in)	Factor (gal/ft)
1	0.04
1.5	0.09
2	0.16
4	0.65
6	1.50

well volume =
 $3.14 \times (r)^2 \times 7.48 \text{ gal/ft}$
where $r = 1/2 \text{ diameter in ft}$

Stabilization Criteria:

Sp. Cond. +/- 3%
DO +/- 10%
ORP +/- 10 mV
pH +/- 0.1 Std Units
Temp. +/- 3%
Turb. +/- 10% if values > 1 NTU

Purge water disposal? to ground ☒ drummed other: _____

Guidance:

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min, contact PM

Notes: Volume = 2 gallons (6/28) 1 gallon / 20 min
(Total Collected)

Low-Flow Groundwater Sampling Form

Project number and name	2202159	Sampling personnel	Breana Pakist	Sample date	6/30/22	Well ID	MW-46S
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Well depth 16.84'

Stabilized flow rate = flow rate with no further drawdown

Other

Turb. 0.0 NTU

[illegible]

Notes: Black blobs came through tubing at the beginning
29a / 20 min

Purge water disposal? to ground drummed

Diam. (in)	Factor (gal/ft)
1	0.04
1.5	0.09
2	0.16
4	0.65
6	1.50

well volume =
 $3.14 \times (r)^2 \times 7.48 \text{ gal/ft}$
 where $r = 1/2 \text{ diameter in ft}$

Sp.Cond. +/- 3%
DO +/- 10%
ORP +/- 10 mV
pH +/- 0.1 Std Units
Temp. +/- 3%
Turb. +/- 10% if values > 1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min. contact PM

Project number and name	220251 NYSEG EthanCort St.	Sampling personnel	J. Desbary	Sample date	6/30/22	Well ID	MMW-475
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Well depth 15

Stabilized flow rate = flow rate with no further drawdown

Other
Sec. Col

Turb 13.9 NTU

[illegible]

Notes: total value collected = 1 gallon @ 700

Went dry during sampling giving time to recharge. Resumed at $T = 12:35$
of the PAH bottles and the 500 mL plastic unpreserved filled at $T = 12:40$

Purge water disposal? ☐ to ground ☒ drummed ☐ other:

Diam. (in)	Factor (gal/ft)
1	0.04
1.5	0.09
2	0.16
4	0.65
6	1.50

well volume =
 $3.14 \times (r)^2 \times 7.48 \text{ gal/ft}$
 where $r = 1/2 \text{ diameter in ft}$

Stabilization Criteria:
 Sp.Cond. +/- 3%
 DO +/- 10%
 ORP +/- 10 mV
 pH +/- 0.1 Std Units
 Temp. +/- 3%
 Turb. +/- 10% if values >1 NTU

- 1 Position tubing at midpoint of saturated screened interval
- 2 Minimize drop in water level and purge until parameters are stable
- 3 Disconnect flow thru cell during sampling
- 4 Call Project Manager if issues arise (e.g. stabilization takes more than 2 hrs, well goes dry, odd data).
- 5 For VPH and VOC samples, if stabilization flow rate is less than 200 ml/min. contact PM

Attachment 2

Data Usability Summary Report

Site: Ithaca Court Street
Laboratory: Pace Analytical
Report Number: 70220351
Reviewer: Lorie MacKinnon/GEI Consultants
Date: May 22, 2023

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-C11	70220351-01	BTEX, PAH, Iron, Methane, General Chemistry
MW-C12	70220351-02	BTEX, PAH, Iron, Methane, General Chemistry
MW-C16	70220351-03	BTEX, PAH, Iron, Methane, General Chemistry
MW-C24S*	70220351-04	BTEX, PAH, Iron, Methane, General Chemistry
MW-C25S*	70220351-05	BTEX, PAH, Iron, Methane, General Chemistry
MW-13S	70220351-06	BTEX, PAH, Iron, Methane, General Chemistry
MW-45S	70220351-07	BTEX, PAH, Iron, Methane, General Chemistry
DUP 01	70220351-08	BTEX, PAH, Iron, Methane, General Chemistry
MW-22S	70220351-09	BTEX, PAH, Iron, Methane, General Chemistry
MW-23S	70220351-10	BTEX, PAH, Iron, Methane, General Chemistry
MW-31S	70220351-11	BTEX, PAH, Iron, Methane, General Chemistry
MW-33S	70220351-12	BTEX, PAH, Iron, Methane, General Chemistry
MW-40	70220351-13	BTEX, PAH, Iron, Methane, General Chemistry
MW-46S	70220351-14	BTEX, PAH, Iron, Methane, General Chemistry
MW-47S	70220351-15	BTEX, PAH, Iron, Methane, General Chemistry
MW-48S	70220351-16	BTEX, PAH, Iron, Methane, General Chemistry
* Field IDs MW-24S and MW-25S on chain of custody.		

Associated QC Samples:

Field Duplicate pair: MW-C16/DUP 01

The above-listed aqueous samples were collected on June 28, 29, and 30, 2022 and were analyzed for BTEX volatile organic compounds (VOCs) by SW-846 method 8260C, polynuclear aromatic hydrocarbon (PAH) semivolatile organic compounds (SVOCs) by SW-846 method 8270E, dissolved gases (methane) by RSK 175 method, iron by SW846 method 6010C, and general chemistry parameters which included alkalinity by Standard methods SM22 2320B, sulfate by EPA method 300.0, nitrate and nitrite by EPA method 353.2, ammonia by SM22 4500 NH₃ H, and total cyanide by SW-846 method 9014. The data validation was performed based on the following USEPA Region 2 Documents: SOP HW-33A (Revision 1) *Low/Medium Volatile Data Validation* (September 2016), Standard Operating Procedure (SOP) HW-35A (Revision 1) *Semivolatile Data Validation* (September 2016), and SOPs HW-31a and 3c (Revision 1), *SOP for the Evaluation of Metals and Cyanide for the Contract Laboratory Program* (September 2016), as well as by the methods referenced by the data package and professional and technical judgment.

The data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations

Site: Ithaca Court Street
Report Number: 70220351
Date: May 22, 2023

- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
- Internal Standards
- Field Duplicate Results
- ICP Serial Dilution Results
- Quantitation Limits
- Sample Quantitation and Compound Identification

All data appear usable as reported or usable with minor qualification due to hold time exceedance and matrix spike recovery outliers. These results were considered valid; even though some were qualified as discussed below.

The validation findings were based on the following information.

Data Completeness

The data package was complete as received by the laboratory with the following exception: It should be noted that ferrous iron was requested on the chain of custody, but due to a laboratory error the analysis was not performed.

Holding Times and Sample Preservation

All hold time and sample preservation criteria were met except where noted below.

Sample	Parameter	Hold Time Exceedance	Required Hold Time	Validation Action/Bias
MW-45S	Nitrate	< 24 hours	2 days	Estimate (J/UJ) the positive and nondetect results for nitrate and nitrite in this sample; Low bias.
	Nitrite	< 24 hours	2 days	
	PAH	Extraction 1 day	7 days	Estimate (J/UJ) the positive and nondetect results for this sample; Low bias.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All initial and continuing calibration criteria were met.

Site: Ithaca Court Street
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Blanks

Contamination was not detected in the laboratory instrument and method blank samples except where noted below.

Analyte	Blank ID/Associated samples	Highest Concentration Detected	2X Level	10X Level	Validation Actions
Nitrite	7/1 Instrument blanks: MW-C11, MW-C12, MW-C16, MW-C24S, MW-C25S, MW-13S, MW-45S, DUP 01	0.031 mg/L	0.062 mg/L	0.31 mg/L	Validation actions were not required.
Alkalinity	7/5- 7/6 Instrument blanks: MW-C11, MW-C12, MW-C16, MW-C24S, MW-C25S, MW-13S, MW-45S, DUP 01, MW-22S, MW-23S, MW-31S, MW-33S, MW-40, MW-46S, MW-47S, MW-48S	-2.2 mg/L	(-)4.4 mg/L	(-) 22 mg/L	Validation actions were not required.

Blank Actions:

If the sample result is <2x blank contamination detected or <RL; professional judgment was taken to report the result as nondetect (U) at the reported sample level or RL.

If the sample result is \geq 2x Blank Level (or RL) and < 10x Blank Level; professional judgment was taken to report the sample result as estimated (J); biased high.

If the sample result is nondetect or > 10x Blank Level; validation action was not required.

Surrogate Recoveries

All surrogate recovery criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample MW-13S for BTEX, PAH, and methane and MS analyses were performed on sample MW-13S for iron, sulfate, ammonia, alkalinity, cyanide, nitrate, and nitrite. Additional MS analyses were performed on sample MW-47S for nitrite and samples MW-45S and MW-47S for nitrate. All recovery and precision criteria were met, for sample levels less than four times the spike, except where noted below.

Analyte	MS/MSD Recovery (%)	RPD (%)	QC Limits (%)	Validation Actions
MS Sample MW-13S				
VOCs				
Toluene	124, 125	-	76-123	Validation action was not required as toluene was not detected in sample MW-13S and therefore was not affected by the potential high bias.
Methane				
Methane	203, 192	-	10-185	Estimate (J) the positive result for methane in sample MW-13S; High bias.
- Criteria met				

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MS Sample	Analyte	MS Recovery (%)	QC Limits (%)	Validation Actions
MW-13S	Nitrate	85	90-110	Estimate (J/UJ) the positive and nondetect results for nitrate and combined nitrate/nitrite in the associated samples; Low bias.
Associated samples: MW-C11, MW-C12, MW-C16, MW-C24S, MW-C25S, MW-13S, DUP 01				
MW-13S	Ammonia	56	75-125	Estimate (J/UJ) the positive and nondetect results for ammonia in the associated samples; Low bias.
Associated samples: MW-C11, MW-C12, MW-C16, MW-C24S, MW-C25S, MW-13S, MW-45S, DUP 01, MW-22S, MW-23S, MW-31S, MW-33S, MW-40, MW-46S, MW-47S, MW-48S				
- Criteria met				

Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample MW-13S for iron, sulfate, alkalinity, cyanide, nitrate, nitrite, and ammonia, sample MW-45S for VOC, sample MW-48S for methane, sample MW-47S for nitrite, and samples MW-45S and MW-47S for nitrate. All precision criteria were met.

LCS/LCSD Results

All LCS/LCSD recovery and precision criteria were met except where noted below.

Analyte	LCS (%)	LCSD (%)	RPD (%)	Control Limits	Validation Action/Bias
PAH					
Naphthalene	97	-	-	22-95	Validation actions were not taken as recovery was slightly above control limits and well within reasonable recovery criteria.
LCS 1333528/1333529: MW-47S, MW-48S					
- Criteria met					

Internal Standards

All criteria were met.

Field Duplicate Results

Samples MW-C16 and DUP01 were submitted as the field duplicate pair with this sample group. The following table summarizes the relative percent differences (RPDs) of the detected analytes in the field duplicate pair, which were within the acceptance criteria.

Analyte	MW-C16 (ug/L)	DUP 01 (ug/L)	RPD (%)
Acenaphthene	13.7	11.8	14.9
Acenaphthylene	0.22	0.23	4.4

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 Report Number: 70220351
 Date: May 22, 2023

Analyte	MW-C16 (ug/L)	DUP 01 (ug/L)	RPD (%)
Anthracene	0.044	0.045	2.2
Benzo(a)anthracene	0.023	0.022	4.4
Chrysene	0.022	0.022	0
Fluoranthene	0.54	0.58	7.1
Fluorene	1.6	1.7	6.1
Naphthalene	0.031	0.037	17.6
Phenanthrene	0.10	0.13	26.1
Pyrene	0.75	0.82	8.9
Methane	5.1	3.8	29.2
Iron	11100	13900	22.4
Analyte	MW-C16 (mg/L)	DUP 01 (mg/L)	RPD (%)
Alkalinity	510	534	4.6
Nitrate	0.095	0.060	45.2, Within 2xRL
Nitrogen, Ammonia	0.23	0.33	35.7, Within 2xRL
NC-Not calculable Criteria: When both results are $\geq 5x$ the RL, RPDs must be $< 30\%$. When results are $< 5x$ the RL, the absolute difference between the original and field duplicate results must be $< 2xRL$			

Serial Dilution Results

A serial dilution analysis was performed on sample MW-13S. Criteria were met.

Quantitation Limits

Results were reported down to the quantitation limit/reporting limit (RL) only.

The following table lists the sample dilutions which were performed.

Sample	Analysis	Dilution Reported
MW-C11	Methane	The sample was analyzed at a 43-fold dilution.
MW-C12	PAH	The sample was analyzed undiluted and at a 20-fold dilution. Results were combined to report all results within the calibration range and the lowest reporting limits.
	Sulfate	The sample was analyzed at a 5-fold dilution.
MW-C16	PAH	The sample was analyzed undiluted and at a 10-fold dilution. Results were combined to report all results within the calibration range and the lowest reporting limits.
MW-C25S	Sulfate	The sample was analyzed at a 5-fold dilution.
MW-45S	Methane	The sample was analyzed at a 215-fold dilution.
MW-22S	Sulfate	The sample was analyzed at a 5-fold dilution.
MW-23S	PAH	The sample was analyzed undiluted and at a 50-fold dilution. Results were combined to report all results within the calibration range and the lowest reporting limits.

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Date: May 22, 2023

Sample	Analysis	Dilution Reported
MW-46S	VOC	The sample was analyzed undiluted and at a 10-fold dilution. Results were combined to report all results within the calibration range and the lowest reporting limits.
	PAH	The sample was analyzed undiluted and at 20 and 50-fold dilutions. Results were combined to report all results within the calibration range and the lowest reporting limits.
	Methane	The sample was analyzed at a 510-fold dilution.
MW-48S	PAH	The sample was analyzed undiluted and at a 50-fold dilution. Results were combined to report all results within the calibration range and the lowest reporting limits.
	Methane	The sample was analyzed at a 510-fold dilution.

Sample Quantitation and Compound Identification

Calculations were spot-checked. Compound identification criteria were met.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C11		Lab ID: 70220351001		Collected: 06/29/22 09:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases									
Analytical Method: RSK-175 Preparation Method: RSK-175									
Pace Analytical Services - Melville									
Methane, Dissolved	76.1	ug/L	43.0	43	07/01/22 08:44	07/01/22 14:15	74-82-8		
6010 MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3005A									
Pace Analytical Services - Melville									
Iron	2980	ug/L	100	1	07/05/22 06:56	07/07/22 19:40	7439-89-6		
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C									
Pace Analytical Services - Melville									
Acenaphthene	0.81	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	83-32-9		
Acenaphthylene	0.11	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	208-96-8		
Anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	120-12-7		
Benzo(a)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	56-55-3		
Benzo(a)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	50-32-8		
Benzo(b)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	205-99-2		
Benzo(g,h,i)perylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	191-24-2		
Benzo(k)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	207-08-9		
Chrysene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	218-01-9		
Dibenz(a,h)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	53-70-3		
Fluoranthene	0.024	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	206-44-0		
Fluorene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	193-39-5		
Naphthalene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	91-20-3		
Phenanthrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	85-01-8		
Pyrene	0.027	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	86	%	40-112	1	07/06/22 17:28	07/07/22 19:40	93951-69-0		
2-Methylnaphthalene-d10 (S)	64	%	44-146	1	07/06/22 17:28	07/07/22 19:40	7297-45-2		
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Pace Analytical Services - Melville									
Benzene	<1.0	ug/L	1.0	1		07/08/22 12:44	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		07/08/22 12:44	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/08/22 12:44	108-88-3		
Xylene (Total)	<3.0	ug/L	3.0	1		07/08/22 12:44	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	81-122	1		07/08/22 12:44	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-118	1		07/08/22 12:44	460-00-4		
Toluene-d8 (S)	89	%	82-122	1		07/08/22 12:44	2037-26-5		
2320B Alkalinity									
Analytical Method: SM22 2320B									
Pace Analytical Services - Melville									
Alkalinity, Total as CaCO3	547	mg/L	1.0	1		07/05/22 17:21			

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5/15/22

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C11		Lab ID: 70220351001		Collected: 06/29/22 09:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1			07/12/22 16:17	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	VJ mg/L	0.050	1			07/01/22 02:02	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	VJ mg/L	0.050	1			07/01/22 02:02	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1			07/01/22 02:56	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.88	J mg/L	0.10	1			07/04/22 13:44	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ua/L	10.0	1		07/11/22 14:20	07/11/22 17:59	57-12-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C12		Lab ID: 70220351002		Collected: 06/29/22 09:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	273	ug/L	43.0	43	07/01/22 08:44	07/01/22 14:25	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	1250	ug/L	100	1	07/05/22 06:56	07/07/22 19:42	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	93.0	ug/L	0.40	20	07/06/22 17:28	07/11/22 16:54	83-32-9		
Acenaphthylene	0.83	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	208-96-8		
Anthracene	0.071	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	120-12-7		
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	56-55-3		
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	50-32-8		
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	205-99-2		
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	191-24-2		
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	207-08-9		
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	218-01-9		
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	53-70-3		
Fluoranthene	0.029	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	206-44-0		
Fluorene	13.0	ug/L	0.40	20	07/06/22 17:28	07/11/22 16:54	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	193-39-5		
Naphthalene	0.067	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	91-20-3		
Phenanthrene	0.58	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	85-01-8		
Pyrene	0.029	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	96	%	40-112	1	07/06/22 17:28	07/07/22 20:12	93951-69-0		
2-Methylnaphthalene-d10 (S)	71	%	44-146	1	07/06/22 17:28	07/07/22 20:12	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	2.0	ug/L	1.0	1		07/07/22 15:57	71-43-2		
Ethylbenzene	1.4	ug/L	1.0	1		07/07/22 15:57	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/07/22 15:57	108-88-3		
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 15:57	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	81-122	1		07/07/22 15:57	17060-07-0		
4-Bromofluorobenzene (S)	103	%	79-118	1		07/07/22 15:57	460-00-4		
Toluene-d8 (S)	89	%	82-122	1		07/07/22 15:57	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	449	mg/L	1.0	1		07/05/22 17:41			

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C12		Lab ID: 70220351002	Collected: 06/29/22 09:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville						
Sulfate	130	mg/L	25.0	5		07/13/22 21:45	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrate as N	<0.050	mg/L	0.050	1		07/01/22 02:03	14797-55-8	
Nitrate-Nitrite (as N)	0.051	mg/L	0.050	1		07/01/22 02:03	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 02:57	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	0.83	mg/L	0.10	1		07/04/22 13:46	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville						
Cyanide	12.3	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:00	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C16		Lab ID: 70220351003	Collected: 06/29/22 11:00	Received: 06/30/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases								
Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville								
Methane, Dissolved	5.1	ug/L	1.0	1	07/01/22 08:44	07/01/22 12:35	74-82-8	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville								
Iron	11100	ug/L	100	1	07/05/22 06:56	07/07/22 19:45	7439-89-8	
8270E MSSV PAH by SIM								
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville								
Acenaphthene	13.7	ug/L	0.20	10	07/06/22 17:28	07/11/22 16:23	83-32-9	
Acenaphthylene	0.22	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	208-96-8	
Anthracene	0.044	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	120-12-7	
Benzo(a)anthracene	0.023	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	207-08-9	
Chrysene	0.022	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	53-70-3	
Fluoranthene	0.54	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	206-44-0	
Fluorene	1.6	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	193-39-5	
Naphthalene	0.031	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	91-20-3	
Phenanthrene	0.10	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	85-01-8	
Pyrene	0.75	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	92	%	40-112	1	07/06/22 17:28	07/07/22 20:43	93951-69-0	
2-Methylnaphthalene-d10 (S)	69	%	44-146	1	07/06/22 17:28	07/07/22 20:43	7297-45-2	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville								
Benzene	<1.0	ug/L	1.0	1		07/07/22 16:18	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 16:18	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 16:18	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 16:18	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	81-122	1		07/07/22 16:18	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 16:18	460-00-4	
Toluene-d8 (S)	88	%	82-122	1		07/07/22 16:18	2037-26-5	
2320B Alkalinity								
Analytical Method: SM22 2320B Pace Analytical Services - Melville								
Alkalinity, Total as CaCO3	510	mg/L	1.0	1		07/05/22 18:02		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C16		Lab ID: 70220351003		Collected: 06/29/22 11:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate:	<5.0	mg/L	5.0	1		07/12/22 16:44	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.095 J	mg/L	0.050	1		07/01/22 02:12	14797-55-8		
Nitrate-Nitrite (as N)	0.11 J	mg/L	0.050	1		07/01/22 02:12	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 03:18	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.23 J	mg/L	0.10	1		07/04/22 13:47	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1		07/11/22 14:20	07/11/22 18:01	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C24S		Lab ID: 70220351004	Collected: 06/29/22 07:05	Received: 06/30/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases								
Analytical Method: RSK-175 Preparation Method: RSK-175								
Pace Analytical Services - Melville								
Methane, Dissolved	127	ug/L	43.0	43	07/01/22 08:44	07/01/22 14:35	74-82-8	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A								
Pace Analytical Services - Melville								
Iron	395	ug/L	100	1	07/05/22 06:56	07/07/22 19:47	7439-89-6	
8270E MSSV PAH by SIM								
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C								
Pace Analytical Services - Melville								
Acenaphthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	83-32-9	
Acenaphthylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	208-96-8	
Anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	120-12-7	
Benzo(a)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	205-99-2	
Benzo(g,h,i)perylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	191-24-2	
Benzo(k)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	207-08-9	
Chrysene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	53-70-3	
Fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	206-44-0	
Fluorene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	193-39-5	
Naphthalene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	91-20-3	
Phenanthrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	85-01-8	
Pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	97	%	40-112	1	07/06/22 17:28	07/07/22 21:15	93951-89-0	
2-Methylnaphthalene-d10 (S)	74	%	44-146	1	07/06/22 17:28	07/07/22 21:15	7297-45-2	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Pace Analytical Services - Melville								
Benzene	<1.0	ug/L	1.0	1		07/07/22 16:40	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 16:40	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 16:40	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 16:40	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/07/22 16:40	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 16:40	460-00-4	
Toluene-d8 (S)	89	%	82-122	1		07/07/22 16:40	2037-26-5	
2320B Alkalinity								
Analytical Method: SM22 2320B								
Pace Analytical Services - Melville								
Alkalinity, Total as CaCO3	338	mg/L	1.0	1		07/05/22 20:16		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C24S		Lab ID: 70220351004		Collected: 06/29/22 07:05		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	17.8	mg/L	5.0	1		07/12/22 16:58	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.082	J. mg/L	0.050	1		07/01/22 01:47	14797-55-8		
Nitrate-Nitrite (as N)	0.10	J. mg/L	0.050	1		07/01/22 01:47	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 00:51	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.16	J. mg/L	0.10	1		07/04/22 13:50	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1		07/11/22 14:20	07/11/22 18:02	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C25S		Lab ID: 70220351005	Collected: 06/29/22 10:25	Received: 06/30/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	3.6	ug/L	1.0	1	07/01/22 08:44	07/01/22 12:54	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	377	ug/L	100	1	07/05/22 06:56	07/07/22 19:50	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	83-32-9	
Acenaphthylene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	208-96-8	
Anthracene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	120-12-7	
Benzo(a)anthracene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	56-55-3	
Benzo(a)pyrene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	50-32-8	
Benzo(b)fluoranthene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	207-08-9	
Chrysene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	218-01-9	
Dibenz(a,h)anthracene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	53-70-3	
Fluoranthene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	206-44-0	
Fluorene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	193-39-5	
Naphthalene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	91-20-3	
Phenanthrene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	85-01-8	
Pyrene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	85	%	40-112	1	07/06/22 17:28	07/07/22 21:47	93951-69-0	
2-Methylnaphthalene-d10 (S)	71	%	44-146	1	07/06/22 17:28	07/07/22 21:47	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		07/07/22 17:01	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 17:01	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 17:01	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 17:01	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	81-122	1		07/07/22 17:01	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		07/07/22 17:01	460-00-4	
Toluene-d8 (S)	89	%	82-122	1		07/07/22 17:01	2037-26-5	
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	608	mg/L	1.0	1		07/05/22 20:42		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C25S		Lab ID: 70220351005		Collected: 06/29/22 10:25		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	163	mg/L	25.0	5		07/13/22 21:59	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	UJ mg/L	0.050	1		07/01/22 02:09	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	UJ mg/L	0.050	1		07/01/22 02:09	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 03:03	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	<0.10	UJ mg/L	0.10	1		07/04/22 13:52	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	24.2	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:03	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29
Pace Project No.: 70220351

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: MW-13S-MS/MSD Lab ID: 70220351006 Collected: 06/29/22 13:00 Received: 06/30/22 10:45 Matrix: Water								
RSK 175 Dissolved Gases Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville								
Methane, Dissolved	24.3	J ug/L	5.0	5	07/01/22 08:44	07/01/22 13:14	74-82-8	M1
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville								
Iron	266	ug/L	100	1	07/05/22 06:56	07/07/22 19:52	7439-89-6	
8270E MSSV PAH by SIM Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville								
Acenaphthene	0.031	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	83-32-9	
Acenaphthylene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	208-96-8	
Anthracene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	120-12-7	
Benzo(a)anthracene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	56-55-3	
Benzo(a)pyrene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	50-32-8	
Benzo(b)fluoranthene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	205-99-2	
Benzo(g,h,i)perylene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	207-08-9	
Chrysene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	218-01-9	
Dibenz(a,h)anthracene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	53-70-3	
Fluoranthene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	206-44-0	
Fluorene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	193-39-5	
Naphthalene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	91-20-3	
Phenanthrene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	85-01-8	
Pyrene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	102	%	40-112	1	07/06/22 17:28	07/07/22 22:18	93951-69-0	
2-Methylnaphthalene-d10 (S)	82	%	44-146	1	07/06/22 17:28	07/07/22 22:18	7297-45-2	
8260C Volatile Organics Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville								
Benzene	<1.0	ug/L	1.0	1		07/07/22 17:22	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 17:22	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 17:22	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 17:22	1330-20-7	M1
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	81-122	1		07/07/22 17:22	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 17:22	460-00-4	
Toluene-d8 (S)	88	%	82-122	1		07/07/22 17:22	2037-26-5	
2320B Alkalinity Analytical Method: SM22 2320B Pace Analytical Services - Melville								
Alkalinity, Total as CaCO3	302	mg/L	1.0	1		07/05/22 20:56		M1

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-13S-MS/MSD <i>dm</i>		Lab ID: 70220351006	Collected: 06/29/22 13:00	Received: 06/30/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville						
Sulfate	35.9	mg/L	5.0	1		07/12/22 17:25	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrate as N	1.3 J	mg/L	0.050	1		07/01/22 01:58	14797-55-8	
Nitrate-Nitrite (as N)	1.3 J	mg/L	0.050	1		07/01/22 01:58	7727-37-9	M1
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 02:50	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	<0.10 UJ	mg/L	0.10	1		07/04/22 13:55	7664-41-7	M1
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville						
Cyanide	<10.0	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:04	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29
Pace Project No.: 70220351

Sample: MW-45S		Lab ID: 70220351007	Collected: 06/28/22 13:05	Received: 06/30/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	1410	ug/L	215	215	07/01/22 08:44	07/01/22 14:44	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	2290	ug/L	100	1	07/05/22 06:56	07/07/22 20:09	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	83-32-9	H2
Acenaphthylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	208-96-8	H2
Anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	120-12-7	H2
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	56-55-3	H2
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	50-32-8	H2
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	205-99-2	H2
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	191-24-2	H2
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	207-08-9	H2
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	218-01-9	H2
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	53-70-3	H2
Fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	206-44-0	H2
Fluorene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	86-73-7	H2
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	193-39-5	H2
Naphthalene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	91-20-3	H2
Phenanthrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	85-01-8	H2
Pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	97	%	40-112	1	07/06/22 17:28	07/07/22 19:08	93951-69-0	
2-Methylnaphthalene-d10 (S)	75	%	44-146	1	07/06/22 17:28	07/07/22 19:08	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1	07/06/22 20:24	07/06/22 20:24	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1	07/06/22 20:24	07/06/22 20:24	100-41-4	
Toluene	1.1	ug/L	1.0	1	07/06/22 20:24	07/06/22 20:24	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1	07/06/22 20:24	07/06/22 20:24	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	81-122	1	07/06/22 20:24	07/06/22 20:24	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-118	1	07/06/22 20:24	07/06/22 20:24	460-00-4	
Toluene-d8 (S)	89	%	82-122	1	07/06/22 20:24	07/06/22 20:24	2037-26-5	
2320B Alkalinity		Analytical Method: SM22.2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	116	mg/L	1.0	1	07/05/22 16:11			

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-45S		Lab ID: 70220351007	Collected: 06/28/22 13:05	Received: 06/30/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville						
Sulfate	<5.0	mg/L	5.0	1		07/12/22 18:06	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrate as N	74.5	J ⁺ mg/L	2.5	50		07/01/22 01:40	14797-55-8	
Nitrate-Nitrite (as N)	74.5	J ⁺ mg/L	2.5	50		07/01/22 01:40	7727-37-9	H1
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrite as N	<0.050	J ⁺ mg/L	0.050	1		07/01/22 00:46	14797-65-0	H1
4500 Ammonia Water		Analytical Method: SM22 4500 NH3-H Pace Analytical Services - Melville						
Nitrogen, Ammonia	3.3	J ⁺ mg/L	0.10	1		07/04/22 13:59	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville						
Cyanide	<10.0	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:06	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: DUP 01		Lab ID: 70220351008	Collected: 06/29/22 00:00	Received: 06/30/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	3.8	ug/L	1.0	1	07/01/22 08:44	07/01/22 14:05	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	13900	ug/L	100	1	07/05/22 06:56	07/07/22 20:11	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	11.8	ug/L	0.20	10	07/06/22 17:28	07/09/22 05:52	83-32-9	
Acenaphthylene	0.23	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	208-96-8	
Anthracene	0.045	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	120-12-7	
Benzo(a)anthracene	0.022	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	207-08-9	
Chrysene	0.022	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	53-70-3	
Fluoranthene	0.58	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	206-44-0	
Fluorene	1.7	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	193-39-5	
Naphthalene	0.037	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	91-20-3	
Phenanthrene	0.13	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	85-01-8	
Pyrene	0.82	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	90	%	40-112	1	07/06/22 17:28	07/08/22 17:39	93951-69-0	
2-Methylnaphthalene-d10 (S)	77	%	44-146	1	07/06/22 17:28	07/08/22 17:39	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		07/07/22 17:44	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 17:44	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 17:44	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 17:44	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/07/22 17:44	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-118	1		07/07/22 17:44	460-00-4	
Toluene-d8 (S)	91	%	82-122	1		07/07/22 17:44	2037-26-5	
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	534	mg/L	1.0	1		07/05/22 21:50		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

11:00 (Duplicate time)

Sample: DUP 01		Lab ID: 70220351008		Collected: 06/29/22 00:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1		07/12/22 19:00	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.060 J	mg/L	0.050	1		07/01/22 01:44	14797-55-8		
Nitrate-Nitrite (as N)	0.085 J	mg/L	0.050	1		07/01/22 01:44	7727-37-9		H
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 00:48	14797-65-0		H
4500 Ammonia Water		Analytical Method: SM22 4500 NH3-H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.33 J	mg/L	0.10	1		07/04/22 14:00	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1		07/11/22 14:20	07/11/22 18:07	57-12-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-22S		Lab ID: 70220351009	Collected: 06/30/22 10:00	Received: 07/01/22 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases								
Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville								
Methane, Dissolved	137	ug/L	43.0	43	07/01/22 11:44	07/05/22 13:20	74-82-8	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville								
Iron	254	ug/L	100	1	07/05/22 06:56	07/07/22 20:13	7439-89-6	
8270E MSSV PAH by SIM								
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville								
Acenaphthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	83-32-9	
Acenaphthylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	208-96-8	
Anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	120-12-7	
Benzo(a)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	205-99-2	
Benzo(g,h,i)perylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	191-24-2	
Benzo(k)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	207-08-9	
Chrysene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	53-70-3	
Fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	206-44-0	
Fluorene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	193-39-5	
Naphthalene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	91-20-3	
Phenanthrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	85-01-8	
Pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	86	%	40-112	1	07/06/22 17:28	07/08/22 18:11	93951-69-0	
2-Methylnaphthalene-d10 (S)	74	%	44-146	1	07/06/22 17:28	07/08/22 18:11	7297-45-2	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville								
Benzene	<1.0	ug/L	1.0	1		07/07/22 18:05	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 18:05	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 18:05	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 18:05	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	81-122	1		07/07/22 18:05	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		07/07/22 18:05	460-00-4	
Toluene-d8 (S)	89	%	82-122	1		07/07/22 18:05	2037-26-5	
2320B Alkalinity								
Analytical Method: SM22 2320B Pace Analytical Services - Melville								
Alkalinity, Total as CaCO3	257	mg/L	1.0	1		07/06/22 12:05		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-22S		Lab ID: 70220351009	Collected: 06/30/22 10:00	Received: 07/01/22 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville						
Sulfate	40.9	mg/L	5.0	1		07/17/22 19:26	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrate as N	6.8	mg/L	0.25	5		07/02/22 04:25	14797-55-8	
Nitrate-Nitrite (as N)	6.8	mg/L	0.25	5		07/02/22 04:25	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville						
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:31	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville						
Nitrogen, Ammonia	<0.10	ug/L	0.10	1		07/04/22 14:13	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville						
Cyanide	560	ug/L	50.0	5	07/13/22 19:20	07/13/22 21:16	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-23S		Lab ID: 70220351010		Collected: 06/30/22 08:25		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases									
Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville									
Methane, Dissolved	2050	ug/L	215	215	07/01/22 11:44	07/05/22 13:50	74-82-8		
6010 MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville									
Iron	2520	ug/L	100	1	07/05/22 06:56	07/07/22 20:16	7439-89-6		
8270E MSSV PAH by SIM									
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville									
Acenaphthene	81.0	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	83-32-9		
Acenaphthylene	1.5	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	208-96-8		
Anthracene	3.9	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	120-12-7		
Benzo(a)anthracene	0.096	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	56-55-3		
Benzo(a)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	50-32-8		
Benzo(b)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	205-99-2		
Benzo(g,h,i)perylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	191-24-2		
Benzo(k)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	207-08-9		
Chrysene	0.096	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	218-01-9		
Dibenz(a,h)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	53-70-3		
Fluoranthene	2.0	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	206-44-0		
Fluorene	19.8	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	193-39-5		
Naphthalene	48.4	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	91-20-3		
Phenanthrene	16.7	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	85-01-8		
Pyrene	2.9	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	82	%	40-112	1	07/06/22 17:28	07/08/22 18:42	93951-69-0		
2-Methylnaphthalene-d10 (S)	85	%	44-146	1	07/06/22 17:28	07/08/22 18:42	7297-45-2		
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville									
Benzene	2.5	ug/L	1.0	1		07/07/22 18:26	71-43-2		
Ethylbenzene	103	ug/L	1.0	1		07/07/22 18:26	100-41-4		
Toluene	3.0	ug/L	1.0	1		07/07/22 18:26	108-88-3		
Xylene (Total)	69.2	ug/L	3.0	1		07/07/22 18:26	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	81-122	1		07/07/22 18:26	17060-07-0		
4-Bromofluorobenzene (S)	104	%	79-118	1		07/07/22 18:26	460-00-4		
Toluene-d8 (S)	92	%	82-122	1		07/07/22 18:26	2037-26-5		
2320B Alkalinity									
Analytical Method: SM22 2320B Pace Analytical Services - Melville									
Alkalinity, Total as CaCO3	260	mg/L	1.0	1		07/06/22 12:18			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-23S		Lab ID: 70220351010		Collected: 06/30/22 08:25		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1		07/16/22 03:20	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		07/02/22 03:58	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/02/22 03:58	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:27	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	1.5 J	mg/L	0.10	1		07/04/22 14:14	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:44	57-12-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29
Pace Project No.: 70220351

Sample: MW-31S		Lab ID: 70220351011	Collected: 06/30/22 07:20	Received: 07/01/22 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases								
Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville								
Methane, Dissolved	104	ug/L	43.0	43	07/01/22 11:44	07/05/22 13:41	74-82-8	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville								
Iron	198	ug/L	100	1	07/05/22 06:56	07/07/22 20:18	7439-89-6	
8270E MSSV PAH by SIM								
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville								
Acenaphthene	0.022	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	83-32-9	
Acenaphthylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	208-96-8	
Anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	120-12-7	
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	207-08-9	
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	53-70-3	
Fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	206-44-0	
Fluorene	<0.020	ug/L	0.020	1	07/08/22 17:28	07/08/22 19:14	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	193-39-5	
Naphthalene	0.080	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	91-20-3	
Phenanthrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	85-01-8	
Pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	87	%	40-112	1	07/06/22 17:28	07/08/22 19:14	93951-69-0	
2-Methylnaphthalene-d10 (S)	71	%	44-146	1	07/06/22 17:28	07/08/22 19:14	7297-45-2	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville								
Benzene	<1.0	ug/L	1.0	1		07/07/22 18:48	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 18:48	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 18:48	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 18:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/07/22 18:48	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 18:48	460-00-4	
Toluene-d8 (S)	90	%	82-122	1		07/07/22 18:48	2037-26-5	
2320B Alkalinity								
Analytical Method: SM22 2320B Pace Analytical Services - Melville								
Alkalinity, Total as CaCO3	285	mg/L	1.0	1		07/06/22 12:33		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-31S		Lab ID: 70220351011		Collected: 06/30/22 07:20		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	16.5	mg/L	5.0	1		07/16/22 03:34	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.068	mg/L	0.050	1		07/02/22 03:57	14797-55-8		
Nitrate-Nitrite (as N)	0.073	mg/L	0.050	1		07/02/22 03:57	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:26	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	<0.10	ug/L	0.10	1		07/04/22 14:16	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1		07/13/22 19:20	07/13/22 20:45	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-33S	Lab ID: 70220351012	Collected: 06/30/22 08:47	Received: 07/01/22 10:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases								
Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville								
Methane, Dissolved	81.1	ug/L	43.0	43	07/01/22 11:44	07/05/22 14:00	74-82-8	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville								
Iron	8930	ug/L	100	1	07/05/22 06:56	07/07/22 20:21	7439-89-6	
8270E MSSV PAH by SIM								
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville								
Acenaphthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	83-32-9	
Acenaphthylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	208-96-8	
Anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	120-12-7	
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	207-08-9	
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	53-70-3	
Fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	206-44-0	
Fluorene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	193-39-5	
Naphthalene	0.027	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	91-20-3	
Phenanthrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	85-01-8	
Pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	93	%	40-112	1	07/06/22 17:28	07/08/22 19:45	93951-69-0	
2-Methylnaphthalene-d10 (S)	76	%	44-146	1	07/06/22 17:28	07/08/22 19:45	7297-45-2	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville								
Benzene	<1.0	ug/L	1.0	1		07/07/22 19:09	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 19:09	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 19:09	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 19:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	81-122	1		07/07/22 19:09	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		07/07/22 19:09	460-00-4	
Toluene-d8 (S)	90	%	82-122	1		07/07/22 19:09	2037-26-5	
2320B Alkalinity								
Analytical Method: SM22 2320B Pace Analytical Services - Melville								
Alkalinity, Total as CaCO3	416	mg/L	1.0	1		07/06/22 13:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29
Pace Project No.: 70220351

Sample: MW-33S		Lab ID: 70220351012		Collected: 06/30/22 08:47		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	24.9	mg/L	5.0	1		07/16/22 03:47	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		07/02/22 03:59	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/02/22 03:59	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:29	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	1.3 J	mg/L	0.10	1		07/04/22 14:29	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:48	57-12-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-40		Lab ID: 70220351013	Collected: 06/30/22 11:30	Received: 07/01/22 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases								
Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville								
Methane, Dissolved	447	ug/L	43.0	43	07/01/22 11:44	07/05/22 14:10	74-82-8	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville								
Iron	4100	ug/L	100	1	07/05/22 06:56	07/07/22 20:23	7439-89-6	
8270E MSSV PAH by SIM								
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville								
Acenaphthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	83-32-9	
Acenaphthylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	208-96-8	
Anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	120-12-7	
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	207-08-9	
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	53-70-3	
Fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	206-44-0	
Fluorene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	193-39-5	
Naphthalene	0.088	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	91-20-3	
Phenanthrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	85-01-8	
Pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	95	%	40-112	1	07/06/22 17:28	07/08/22 20:17	93951-69-0	
2-Methylnaphthalene-d10 (S)	78	%	44-146	1	07/06/22 17:28	07/08/22 20:17	7297-45-2	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville								
Benzene	<1.0	ug/L	1.0	1		07/07/22 19:30	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 19:30	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 19:30	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 19:30	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	81-122	1		07/07/22 19:30	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 19:30	460-00-4	
Toluene-d8 (S)	90	%	82-122	1		07/07/22 19:30	2037-26-5	
2320B Alkalinity								
Analytical Method: SM22 2320B Pace Analytical Services - Melville								
Alkalinity, Total as CaCO3	180	mg/L	1.0	1		07/06/22 13:40		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-40		Lab ID: 70220351013		Collected: 06/30/22 11:30		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	5.5	mg/L	5.0	1		07/16/22 04:01	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.58	mg/L	0.050	1		07/02/22 04:04	14797-55-8		
Nitrate-Nitrite (as N)	0.59	mg/L	0.050	1		07/02/22 04:04	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:33	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.47 J.	mg/L	0.10	1		07/04/22 14:20	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Pace Analytical Services - Melville			Preparation Method: EPA 9010C				
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:49	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-46S		Lab ID: 70220351014	Collected: 06/30/22 11:30	Received: 07/01/22 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	6650	ug/L	510	510	07/01/22 11:44	07/06/22 11:31	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	5600	ug/L	100	1	07/05/22 06:56	07/07/22 20:30	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	39.8	ug/L	0.40	20	07/06/22 17:28	07/11/22 17:26	83-32-9	
Acenaphthylene	1.7	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	208-96-8	
Anthracene	2.2	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	120-12-7	
Benzo(a)anthracene	0.97	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	56-55-3	
Benzo(a)pyrene	0.85	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	50-32-8	
Benzo(b)fluoranthene	0.51	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	205-99-2	
Benzo(g,h,i)perylene	0.28	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	191-24-2	
Benzo(k)fluoranthene	0.37	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	207-08-9	
Chrysene	0.90	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	218-01-9	
Dibenz(a,h)anthracene	0.10	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	53-70-3	
Fluoranthene	1.6	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	206-44-0	
Fluorene	9.8	ug/L	0.40	20	07/06/22 17:28	07/11/22 17:26	86-73-7	
Indeno(1,2,3-cd)pyrene	0.23	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	193-39-5	
Naphthalene	158	ug/L	1.0	50	07/06/22 17:28	07/09/22 07:26	91-20-3	
Phenanthrene	6.5	ug/L	0.40	20	07/06/22 17:28	07/11/22 17:26	85-01-8	
Pyrene	2.7	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	92	%	40-112	1	07/06/22 17:28	07/08/22 20:48	93951-69-0	
2-Methylnaphthalene-d10 (S)	77	%	44-146	1	07/06/22 17:28	07/08/22 20:48	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	313	ug/L	10.0	10		07/08/22 13:27	71-43-2	
Ethylbenzene	355	ug/L	10.0	10		07/08/22 13:27	100-41-4	
Toluene	3.8	ug/L	1.0	1		07/07/22 19:51	108-88-3	
Xylene (Total)	138	ug/L	3.0	1		07/07/22 19:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/07/22 19:51	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 19:51	460-00-4	
Toluene-d8 (S)	89	%	82-122	1		07/07/22 19:51	2037-26-5	
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	315	mg/L	1.0	1		07/06/22 13:56		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-46S		Lab ID: 70220351014		Collected: 06/30/22 11:30		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1			07/16/22 04:14	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1			07/02/22 04:09	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1			07/02/22 04:09	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1			07/02/22 01:37	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	2.5 J	mg/L	0.10	1			07/04/22 14:22	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1		07/13/22 19:20	07/13/22 20:49	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-47S		Lab ID: 70220351015	Collected: 06/30/22 07:05	Received: 07/01/22 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases								
Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville								
Methane, Dissolved	6250	ug/L	510	510	07/01/22 11:44	07/06/22 11:21	74-82-8	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville								
Iron	21700	ug/L	100	1	07/05/22 06:56	07/07/22 20:32	7439-89-6	
8270E MSSV PAH by SIM								
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville								
Acenaphthene	0.95	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	83-32-9	
Acenaphthylene	0.031	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	208-96-8	
Anthracene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	120-12-7	
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	207-08-9	
Chrysene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	53-70-3	
Fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	206-44-0	
Fluorene	0.039	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	193-39-5	
Naphthalene	0.17	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	91-20-3	
Phenanthrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	85-01-8	
Pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	88	%	40-112	1	07/07/22 23:32	07/08/22 21:51	93951-69-0	
2-Methylnaphthalene-d10 (S)	78	%	44-146	1	07/07/22 23:32	07/08/22 21:51	7297-45-2	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville								
Benzene	<1.0	ug/L	1.0	1		07/08/22 13:06	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/08/22 13:06	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/08/22 13:06	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/08/22 13:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/08/22 13:06	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		07/08/22 13:06	460-00-4	
Toluene-d8 (S)	89	%	82-122	1		07/08/22 13:06	2037-26-5	
2320B Alkalinity								
Analytical Method: SM22 2320B Pace Analytical Services - Melville								
Alkalinity, Total as CaCO3	311	mg/L	1.0	1		07/06/22 14:10		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No: 70220351

Sample: MW-47S		Lab ID: 70220351015		Collected: 06/30/22 07:05		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	5.1	mg/L	5.0	1		07/16/22 04:28	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		07/02/22 03:53	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/02/22 03:53	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:23	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	4.2 J	mg/L	0.10	1		07/04/22 14:23	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:50	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-48S		Lab ID: 70220351016	Collected: 06/30/22 10:20	Received: 07/01/22 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases								
Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville								
Methane, Dissolved	7610	ug/L	510	510	07/01/22 11:44	07/06/22 11:40	74-82-8	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville								
Iron	5300	ug/L	100	1	07/05/22 06:56	07/07/22 20:35	7439-89-6	
8270E MSSV PAH by SIM								
Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville								
Acenaphthene	27.0	ug/L	1.0	50	07/07/22 23:32	07/09/22 07:57	83-32-9	
Acenaphthylene	0.94	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	208-96-8	
Anthracene	1.3	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	120-12-7	
Benzo(a)anthracene	0.044	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	207-08-9	
Chrysene	0.044	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	53-70-3	
Fluoranthene	0.56	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	206-44-0	
Fluorene	3.1	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	193-39-5	
Naphthalene	92.8	ug/L	1.0	50	07/07/22 23:32	07/09/22 07:57	91-20-3	
Phenanthrene	4.2	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	85-01-8	
Pyrene	0.77	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	89	%	40-112	1	07/07/22 23:32	07/08/22 22:23	93951-69-0	
2-Methylnaphthalene-d10 (S)	76	%	44-146	1	07/07/22 23:32	07/08/22 22:23	7297-45-2	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville								
Benzene	64.8	ug/L	1.0	1		07/07/22 20:34	71-43-2	
Ethylbenzene	18.7	ug/L	1.0	1		07/07/22 20:34	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 20:34	108-88-3	
Xylene (Total)	16.6	ug/L	3.0	1		07/07/22 20:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	81-122	1		07/07/22 20:34	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-118	1		07/07/22 20:34	460-00-4	
Toluene-d8 (S)	88	%	82-122	1		07/07/22 20:34	2037-26-5	
2320B Alkalinity								
Analytical Method: SM22 2320B Pace Analytical Services - Melville								
Alkalinity, Total as CaCO3	354	mg/L	1.0	1		07/06/22 14:27		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-48S		Lab ID: 70220351016		Collected: 06/30/22 10:20		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1			07/16/22 04:41	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1			07/02/22 04:03	14797-55-8	
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1			07/02/22 04:03	7727-37-9	
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1			07/02/22 01:32	14797-65-0	
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	1.4 J	mg/L	0.10	1			07/04/22 14:24	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1		07/13/22 19:20	07/13/22 20:51	57-12-5	

REPORT OF LABORATORY ANALYSIS

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bioRxiv preprint doi: <https://doi.org/10.1101/2020.05.14.244400>; this version posted May 14, 2020. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

CLIENT: GEI-I

CLIENT: GET-I

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

Page 3

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company	GEI Consultants	Report To	Water Sampling & Analysis Consultants, LLC	Attention:	
Address	1301 Tumamoc Blvd	Copy To	Water Sampling & Analysis Consultants, LLC	Company Name	
State	NJ 07033	Purchase Order #	2020-00000000000000000000	Address	
Email	sales@geiconsultants.com	Project Name	NYSEG-ITHACA COURT STREET WELLS	Pace Quote	
Phone	807-216-8955	Project #	2202159	Pace Project Manager	apthia.sparks@pacelabs.com
Requested Due Date				Pace Profile #	9815
Regulatory Agency		State / Location		NY	

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, -) Sample IDs must be unique	CODE Matrix Drinking Water Vial V
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Pace Labs / GEI	6/30	1330	Water Sampling & Analysis Consultants, LLC	6/30	1330	
	Water Sampling & Analysis Consultants, LLC	6/30	1700		6/30	1700	
SAMPLER NAME AND SIGNATURE							TEMP H-C
PRINT Name of SAMPLER: Breanna Pappas							
SIGNATURE of SAMPLER: Breanna Pappas							
DATE Signed: 6/30/22							

Attachment 3

Laboratory Report

October 27, 2022

Bruce Coulombe
GEI Consultants
1301 Trumansburg Rd
Ithaca, NY 14850

RE: Project: NYSEG ITHACA COURT STREET 6/29
Pace Project No.: 70220351

Dear Bruce Coulombe:

Enclosed are the analytical results for sample(s) received by the laboratory between June 30, 2022 and July 01, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Matthew T. Nemeth for
Sophia Sparkes
sophia.sparkes@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Breana Pabst, GEI Consultants



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: RSK-175

Description: RSK 175 Dissolved Gases

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for RSK-175 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with RSK-175 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 263170

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70220351006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1329591)
 - Methane, Dissolved
- MSD (Lab ID: 1329592)
 - Methane, Dissolved

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: EPA 6010C

Description: 6010 MET ICP

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for EPA 6010C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: EPA 8270E SIM

Description: 8270E MSSV PAH by SIM

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for EPA 8270E SIM by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H2: Extraction or preparation conducted outside EPA method holding time.

- MW-45S (Lab ID: 70220351007)

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 263941

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCSD (Lab ID: 1333529)
- Naphthalene

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for EPA 8260C/5030C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 263876

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70220351006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1334141)
 - Toluene
- MSD (Lab ID: 1334142)
 - Toluene

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: SM22 2320B

Description: 2320B Alkalinity

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for SM22 2320B by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 263539

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70220351006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1331106)
- Alkalinity, Total as CaCO₃

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: EPA 300.0

Description: 300.0 IC Anions 28 Days

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for EPA 300.0 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ unpres

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- DUP 01 (Lab ID: 70220351008)
- MW-45S (Lab ID: 70220351007)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 263140

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70220351006,70220351007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1329004)
- Nitrate-Nitrite (as N)

QC Batch: 263331

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30502092001,70220351015

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1329986)
- Nitrate-Nitrite (as N)

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for EPA 353.2 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- DUP 01 (Lab ID: 70220351008)
- MW-45S (Lab ID: 70220351007)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 263137

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70220405001,70220495010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1328994)
 - Nitrite as N
- MS (Lab ID: 1329949)
 - Nitrite as N

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: SM22 4500 NH3 H

Description: 4500 Ammonia Water

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for SM22 4500 NH3 H by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 263383

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70220351006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1330339)
- Nitrogen, Ammonia

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Method: EPA 9014 Total Cyanide

Description: 9014 Cyanide, Total

Client: GEI Consultants

Date: October 27, 2022

General Information:

16 samples were analyzed for EPA 9014 Total Cyanide by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 9010C with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C11		Lab ID: 70220351001	Collected: 06/29/22 09:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	76.1	ug/L	43.0	43	07/01/22 08:44	07/01/22 14:15	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	2980	ug/L	100	1	07/05/22 06:56	07/07/22 19:40	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	0.81	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	83-32-9	
Acenaphthylene	0.11	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	208-96-8	
Anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	120-12-7	
Benzo(a)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	205-99-2	
Benzo(g,h,i)perylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	191-24-2	
Benzo(k)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	207-08-9	
Chrysene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	53-70-3	
Fluoranthene	0.024	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	206-44-0	
Fluorene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	193-39-5	
Naphthalene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	91-20-3	
Phenanthrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	85-01-8	
Pyrene	0.027	ug/L	0.019	1	07/06/22 17:28	07/07/22 19:40	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	86	%	40-112	1	07/06/22 17:28	07/07/22 19:40	93951-69-0	
2-Methylnaphthalene-d10 (S)	64	%	44-146	1	07/06/22 17:28	07/07/22 19:40	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		07/08/22 12:44	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/08/22 12:44	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/08/22 12:44	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/08/22 12:44	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	81-122	1		07/08/22 12:44	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		07/08/22 12:44	460-00-4	
Toluene-d8 (S)	89	%	82-122	1		07/08/22 12:44	2037-26-5	
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	547	mg/L	1.0	1		07/05/22 17:21		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C11		Lab ID: 70220351001		Collected: 06/29/22 09:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1		07/12/22 16:17	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		07/01/22 02:02	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/01/22 02:02	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 02:56	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.88	mg/L	0.10	1		07/04/22 13:44	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/11/22 14:20	07/11/22 17:59	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C12		Lab ID: 70220351002	Collected: 06/29/22 09:00	Received: 06/30/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	273	ug/L	43.0	43	07/01/22 08:44	07/01/22 14:25	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	1250	ug/L	100	1	07/05/22 06:56	07/07/22 19:42	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	93.0	ug/L	0.40	20	07/06/22 17:28	07/11/22 16:54	83-32-9	
Acenaphthylene	0.83	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	208-96-8	
Anthracene	0.071	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	120-12-7	
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	207-08-9	
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	53-70-3	
Fluoranthene	0.029	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	206-44-0	
Fluorene	13.0	ug/L	0.40	20	07/06/22 17:28	07/11/22 16:54	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	193-39-5	
Naphthalene	0.067	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	91-20-3	
Phenanthrene	0.58	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	85-01-8	
Pyrene	0.029	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:12	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	96	%	40-112	1	07/06/22 17:28	07/07/22 20:12	93951-69-0	
2-Methylnaphthalene-d10 (S)	71	%	44-146	1	07/06/22 17:28	07/07/22 20:12	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	2.0	ug/L	1.0	1		07/07/22 15:57	71-43-2	
Ethylbenzene	1.4	ug/L	1.0	1		07/07/22 15:57	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 15:57	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 15:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	81-122	1		07/07/22 15:57	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-118	1		07/07/22 15:57	460-00-4	
Toluene-d8 (S)	89	%	82-122	1		07/07/22 15:57	2037-26-5	
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	449	mg/L	1.0	1		07/05/22 17:41		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C12		Lab ID: 70220351002		Collected: 06/29/22 09:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Melville								
Sulfate	130	mg/L	25.0	5		07/13/22 21:45	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
	Pace Analytical Services - Melville								
Nitrate as N	<0.050	mg/L	0.050	1		07/01/22 02:03	14797-55-8		
Nitrate-Nitrite (as N)	0.051	mg/L	0.050	1		07/01/22 02:03	7727-37-9		
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2								
	Pace Analytical Services - Melville								
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 02:57	14797-65-0		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H								
	Pace Analytical Services - Melville								
Nitrogen, Ammonia	0.83	mg/L	0.10	1		07/04/22 13:46	7664-41-7		
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
	Pace Analytical Services - Melville								
Cyanide	12.3	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:00	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C16		Lab ID: 70220351003	Collected: 06/29/22 11:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	5.1	ug/L	1.0	1	07/01/22 08:44	07/01/22 12:35	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	11100	ug/L	100	1	07/05/22 06:56	07/07/22 19:45	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	13.7	ug/L	0.20	10	07/06/22 17:28	07/11/22 16:23	83-32-9	
Acenaphthylene	0.22	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	208-96-8	
Anthracene	0.044	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	120-12-7	
Benzo(a)anthracene	0.023	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	207-08-9	
Chrysene	0.022	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	53-70-3	
Fluoranthene	0.54	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	206-44-0	
Fluorene	1.6	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	193-39-5	
Naphthalene	0.031	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	91-20-3	
Phenanthrene	0.10	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	85-01-8	
Pyrene	0.75	ug/L	0.020	1	07/06/22 17:28	07/07/22 20:43	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	92	%	40-112	1	07/06/22 17:28	07/07/22 20:43	93951-69-0	
2-Methylnaphthalene-d10 (S)	69	%	44-146	1	07/06/22 17:28	07/07/22 20:43	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		07/07/22 16:18	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 16:18	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 16:18	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 16:18	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	81-122	1		07/07/22 16:18	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 16:18	460-00-4	
Toluene-d8 (S)	88	%	82-122	1		07/07/22 16:18	2037-26-5	
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	510	mg/L	1.0	1		07/05/22 18:02		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C16		Lab ID: 70220351003		Collected: 06/29/22 11:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
		Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1		07/12/22 16:44	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
		Pace Analytical Services - Melville							
Nitrate as N	0.095	mg/L	0.050	1		07/01/22 02:12	14797-55-8		
Nitrate-Nitrite (as N)	0.11	mg/L	0.050	1		07/01/22 02:12	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
		Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 03:18	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
		Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.23	mg/L	0.10	1		07/04/22 13:47	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
		Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:01	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C24S		Lab ID: 70220351004		Collected: 06/29/22 07:05		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	127	ug/L	43.0	43	07/01/22 08:44	07/01/22 14:35	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	395	ug/L	100	1	07/05/22 06:56	07/07/22 19:47	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	83-32-9		
Acenaphthylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	208-96-8		
Anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	120-12-7		
Benzo(a)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	56-55-3		
Benzo(a)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	50-32-8		
Benzo(b)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	205-99-2		
Benzo(g,h,i)perylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	191-24-2		
Benzo(k)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	207-08-9		
Chrysene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	218-01-9		
Dibenz(a,h)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	53-70-3		
Fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	206-44-0		
Fluorene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	193-39-5		
Naphthalene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	91-20-3		
Phenanthrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	85-01-8		
Pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/07/22 21:15	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	97	%	40-112	1	07/06/22 17:28	07/07/22 21:15	93951-69-0		
2-Methylnaphthalene-d10 (S)	74	%	44-146	1	07/06/22 17:28	07/07/22 21:15	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		07/07/22 16:40	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 16:40	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/07/22 16:40	108-88-3		
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 16:40	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/07/22 16:40	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 16:40	460-00-4		
Toluene-d8 (S)	89	%	82-122	1		07/07/22 16:40	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	338	mg/L	1.0	1		07/05/22 20:16			

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C24S		Lab ID: 70220351004		Collected: 06/29/22 07:05		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Melville								
Sulfate	17.8	mg/L	5.0	1		07/12/22 16:58	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
	Pace Analytical Services - Melville								
Nitrate as N	0.082	mg/L	0.050	1		07/01/22 01:47	14797-55-8		
Nitrate-Nitrite (as N)	0.10	mg/L	0.050	1		07/01/22 01:47	7727-37-9		
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2								
	Pace Analytical Services - Melville								
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 00:51	14797-65-0		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H								
	Pace Analytical Services - Melville								
Nitrogen, Ammonia	0.16	mg/L	0.10	1		07/04/22 13:50	7664-41-7		
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
	Pace Analytical Services - Melville								
Cyanide	<10.0	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:02	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C25S		Lab ID: 70220351005		Collected: 06/29/22 10:25		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	3.6	ug/L	1.0	1	07/01/22 08:44	07/01/22 12:54	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	377	ug/L	100	1	07/05/22 06:56	07/07/22 19:50	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	83-32-9		
Acenaphthylene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	208-96-8		
Anthracene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	120-12-7		
Benzo(a)anthracene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	56-55-3		
Benzo(a)pyrene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	50-32-8		
Benzo(b)fluoranthene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	205-99-2		
Benzo(g,h,i)perylene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	191-24-2		
Benzo(k)fluoranthene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	207-08-9		
Chrysene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	218-01-9		
Dibenz(a,h)anthracene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	53-70-3		
Fluoranthene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	206-44-0		
Fluorene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	193-39-5		
Naphthalene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	91-20-3		
Phenanthrene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	85-01-8		
Pyrene	<0.023	ug/L	0.023	1	07/06/22 17:28	07/07/22 21:47	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	85	%	40-112	1	07/06/22 17:28	07/07/22 21:47	93951-69-0		
2-Methylnaphthalene-d10 (S)	71	%	44-146	1	07/06/22 17:28	07/07/22 21:47	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		07/07/22 17:01	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 17:01	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/07/22 17:01	108-88-3		
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 17:01	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	81-122	1		07/07/22 17:01	17060-07-0		
4-Bromofluorobenzene (S)	100	%	79-118	1		07/07/22 17:01	460-00-4		
Toluene-d8 (S)	89	%	82-122	1		07/07/22 17:01	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	608	mg/L	1.0	1		07/05/22 20:42			

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-C25S		Lab ID: 70220351005		Collected: 06/29/22 10:25		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Melville								
Sulfate	163	mg/L	25.0	5		07/13/22 21:59	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
	Pace Analytical Services - Melville								
Nitrate as N	<0.050	mg/L	0.050	1		07/01/22 02:09	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/01/22 02:09	7727-37-9		
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2								
	Pace Analytical Services - Melville								
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 03:03	14797-65-0		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H								
	Pace Analytical Services - Melville								
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/04/22 13:52	7664-41-7		
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
	Pace Analytical Services - Melville								
Cyanide	24.2	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:03	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-13S MS/MSD		Lab ID: 70220351006		Collected: 06/29/22 13:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	24.3	ug/L	5.0	5	07/01/22 08:44	07/01/22 13:14	74-82-8	M1	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	266	ug/L	100	1	07/05/22 06:56	07/07/22 19:52	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	0.031	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	83-32-9		
Acenaphthylene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	208-96-8		
Anthracene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	120-12-7		
Benzo(a)anthracene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	56-55-3		
Benzo(a)pyrene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	50-32-8		
Benzo(b)fluoranthene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	205-99-2		
Benzo(g,h,i)perylene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	191-24-2		
Benzo(k)fluoranthene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	207-08-9		
Chrysene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	218-01-9		
Dibenz(a,h)anthracene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	53-70-3		
Fluoranthene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	206-44-0		
Fluorene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	193-39-5		
Naphthalene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	91-20-3		
Phenanthrene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	85-01-8		
Pyrene	<0.021	ug/L	0.021	1	07/06/22 17:28	07/07/22 22:18	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	102	%	40-112	1	07/06/22 17:28	07/07/22 22:18	93951-69-0		
2-Methylnaphthalene-d10 (S)	82	%	44-146	1	07/06/22 17:28	07/07/22 22:18	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		07/07/22 17:22	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 17:22	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/07/22 17:22	108-88-3	M1	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 17:22	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	81-122	1		07/07/22 17:22	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 17:22	460-00-4		
Toluene-d8 (S)	88	%	82-122	1		07/07/22 17:22	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	302	mg/L	1.0	1		07/05/22 20:56		M1	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-13S MS/MSD		Lab ID: 70220351006		Collected: 06/29/22 13:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	35.9	mg/L	5.0	1		07/12/22 17:25	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	1.3	mg/L	0.050	1		07/01/22 01:58	14797-55-8		
Nitrate-Nitrite (as N)	1.3	mg/L	0.050	1		07/01/22 01:58	7727-37-9		M1
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 02:50	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/04/22 13:55	7664-41-7		M1
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:04	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-45S		Lab ID: 70220351007	Collected: 06/28/22 13:05		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	1410	ug/L	215	215	07/01/22 08:44	07/01/22 14:44	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	2290	ug/L	100	1	07/05/22 06:56	07/07/22 20:09	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	83-32-9	H2
Acenaphthylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	208-96-8	H2
Anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	120-12-7	H2
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	56-55-3	H2
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	50-32-8	H2
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	205-99-2	H2
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	191-24-2	H2
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	207-08-9	H2
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	218-01-9	H2
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	53-70-3	H2
Fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	206-44-0	H2
Fluorene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	86-73-7	H2
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	193-39-5	H2
Naphthalene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	91-20-3	H2
Phenanthrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	85-01-8	H2
Pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/07/22 19:08	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	97	%	40-112	1	07/06/22 17:28	07/07/22 19:08	93951-69-0	
2-Methylnaphthalene-d10 (S)	75	%	44-146	1	07/06/22 17:28	07/07/22 19:08	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		07/06/22 20:24	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/06/22 20:24	100-41-4	
Toluene	1.1	ug/L	1.0	1		07/06/22 20:24	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/06/22 20:24	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	81-122	1		07/06/22 20:24	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-118	1		07/06/22 20:24	460-00-4	
Toluene-d8 (S)	89	%	82-122	1		07/06/22 20:24	2037-26-5	
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	116	mg/L	1.0	1		07/05/22 16:11		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-45S		Lab ID: 70220351007		Collected: 06/28/22 13:05		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1			07/12/22 18:06	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	74.5	mg/L	2.5	50			07/01/22 01:40	14797-55-8	
Nitrate-Nitrite (as N)	74.5	mg/L	2.5	50			07/01/22 01:40	7727-37-9	H1
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1			07/01/22 00:46	14797-65-0	H1
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	3.3	mg/L	0.10	1			07/04/22 13:59	7664-41-7	
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1		07/11/22 14:20	07/11/22 18:06	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: DUP 01		Lab ID: 70220351008		Collected: 06/29/22 00:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	3.8	ug/L	1.0	1	07/01/22 08:44	07/01/22 14:05	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	13900	ug/L	100	1	07/05/22 06:56	07/07/22 20:11	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	11.8	ug/L	0.20	10	07/06/22 17:28	07/09/22 05:52	83-32-9		
Acenaphthylene	0.23	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	208-96-8		
Anthracene	0.045	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	120-12-7		
Benzo(a)anthracene	0.022	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	56-55-3		
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	50-32-8		
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	205-99-2		
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	191-24-2		
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	207-08-9		
Chrysene	0.022	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	218-01-9		
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	53-70-3		
Fluoranthene	0.58	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	206-44-0		
Fluorene	1.7	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	193-39-5		
Naphthalene	0.037	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	91-20-3		
Phenanthrene	0.13	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	85-01-8		
Pyrene	0.82	ug/L	0.020	1	07/06/22 17:28	07/08/22 17:39	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	90	%	40-112	1	07/06/22 17:28	07/08/22 17:39	93951-69-0		
2-Methylnaphthalene-d10 (S)	77	%	44-146	1	07/06/22 17:28	07/08/22 17:39	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		07/07/22 17:44	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 17:44	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/07/22 17:44	108-88-3		
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 17:44	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/07/22 17:44	17060-07-0		
4-Bromofluorobenzene (S)	103	%	79-118	1		07/07/22 17:44	460-00-4		
Toluene-d8 (S)	91	%	82-122	1		07/07/22 17:44	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	534	mg/L	1.0	1		07/05/22 21:50			

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: DUP 01		Lab ID: 70220351008		Collected: 06/29/22 00:00		Received: 06/30/22 10:45		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
		Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1		07/12/22 19:00	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
		Pace Analytical Services - Melville							
Nitrate as N	0.060	mg/L	0.050	1		07/01/22 01:44	14797-55-8		
Nitrate-Nitrite (as N)	0.085	mg/L	0.050	1		07/01/22 01:44	7727-37-9		H1
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
		Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/01/22 00:48	14797-65-0		H1
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
		Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.33	mg/L	0.10	1		07/04/22 14:00	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
		Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/11/22 14:20	07/11/22 18:07	57-12-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-22S		Lab ID: 70220351009		Collected: 06/30/22 10:00		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	137	ug/L	43.0	43	07/01/22 11:44	07/05/22 13:20	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	254	ug/L	100	1	07/05/22 06:56	07/07/22 20:13	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	83-32-9		
Acenaphthylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	208-96-8		
Anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	120-12-7		
Benzo(a)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	56-55-3		
Benzo(a)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	50-32-8		
Benzo(b)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	205-99-2		
Benzo(g,h,i)perylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	191-24-2		
Benzo(k)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	207-08-9		
Chrysene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	218-01-9		
Dibenz(a,h)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	53-70-3		
Fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	206-44-0		
Fluorene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	193-39-5		
Naphthalene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	91-20-3		
Phenanthrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	85-01-8		
Pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:11	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	86	%	40-112	1	07/06/22 17:28	07/08/22 18:11	93951-69-0		
2-Methylnaphthalene-d10 (S)	74	%	44-146	1	07/06/22 17:28	07/08/22 18:11	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		07/07/22 18:05	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 18:05	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/07/22 18:05	108-88-3		
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 18:05	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	97	%	81-122	1		07/07/22 18:05	17060-07-0		
4-Bromofluorobenzene (S)	100	%	79-118	1		07/07/22 18:05	460-00-4		
Toluene-d8 (S)	89	%	82-122	1		07/07/22 18:05	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	257	mg/L	1.0	1		07/06/22 12:05			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-22S		Lab ID: 70220351009		Collected: 06/30/22 10:00		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	40.9	mg/L	5.0	1		07/17/22 19:26	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	6.8	mg/L	0.25	5		07/02/22 04:25	14797-55-8		
Nitrate-Nitrite (as N)	6.8	mg/L	0.25	5		07/02/22 04:25	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:31	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/04/22 14:13	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	560	ug/L	50.0	5	07/13/22 19:20	07/13/22 21:16	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-23S		Lab ID: 70220351010		Collected: 06/30/22 08:25		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	2050	ug/L	215	215	07/01/22 11:44	07/05/22 13:50	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	2520	ug/L	100	1	07/05/22 06:56	07/07/22 20:16	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	81.0	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	83-32-9		
Acenaphthylene	1.5	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	208-96-8		
Anthracene	3.9	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	120-12-7		
Benzo(a)anthracene	0.096	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	56-55-3		
Benzo(a)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	50-32-8		
Benzo(b)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	205-99-2		
Benzo(g,h,i)perylene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	191-24-2		
Benzo(k)fluoranthene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	207-08-9		
Chrysene	0.096	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	218-01-9		
Dibenz(a,h)anthracene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	53-70-3		
Fluoranthene	2.0	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	206-44-0		
Fluorene	19.8	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	193-39-5		
Naphthalene	48.4	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	91-20-3		
Phenanthrene	16.7	ug/L	0.95	50	07/06/22 17:28	07/09/22 06:54	85-01-8		
Pyrene	2.9	ug/L	0.019	1	07/06/22 17:28	07/08/22 18:42	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	82	%	40-112	1	07/06/22 17:28	07/08/22 18:42	93951-69-0		
2-Methylnaphthalene-d10 (S)	85	%	44-146	1	07/06/22 17:28	07/08/22 18:42	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	2.5	ug/L	1.0	1		07/07/22 18:26	71-43-2		
Ethylbenzene	103	ug/L	1.0	1		07/07/22 18:26	100-41-4		
Toluene	3.0	ug/L	1.0	1		07/07/22 18:26	108-88-3		
Xylene (Total)	69.2	ug/L	3.0	1		07/07/22 18:26	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	81-122	1		07/07/22 18:26	17060-07-0		
4-Bromofluorobenzene (S)	104	%	79-118	1		07/07/22 18:26	460-00-4		
Toluene-d8 (S)	92	%	82-122	1		07/07/22 18:26	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	260	mg/L	1.0	1		07/06/22 12:18			

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-23S		Lab ID: 70220351010		Collected: 06/30/22 08:25		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
		Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1		07/16/22 03:20	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2							
		Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		07/02/22 03:58	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/02/22 03:58	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2							
		Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:27	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H							
		Pace Analytical Services - Melville							
Nitrogen, Ammonia	1.5	mg/L	0.10	1		07/04/22 14:14	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
		Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:44	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-31S		Lab ID: 70220351011	Collected: 06/30/22 07:20	Received: 07/01/22 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	104	ug/L	43.0	43	07/01/22 11:44	07/05/22 13:41	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	198	ug/L	100	1	07/05/22 06:56	07/07/22 20:18	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	0.022	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	83-32-9	
Acenaphthylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	208-96-8	
Anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	120-12-7	
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	207-08-9	
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	53-70-3	
Fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	206-44-0	
Fluorene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	193-39-5	
Naphthalene	0.080	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	91-20-3	
Phenanthrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	85-01-8	
Pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:14	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	87	%	40-112	1	07/06/22 17:28	07/08/22 19:14	93951-69-0	
2-Methylnaphthalene-d10 (S)	71	%	44-146	1	07/06/22 17:28	07/08/22 19:14	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	<1.0	ug/L	1.0	1		07/07/22 18:48	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 18:48	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 18:48	108-88-3	
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 18:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/07/22 18:48	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 18:48	460-00-4	
Toluene-d8 (S)	90	%	82-122	1		07/07/22 18:48	2037-26-5	
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	285	mg/L	1.0	1		07/06/22 12:33		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-31S		Lab ID: 70220351011		Collected: 06/30/22 07:20		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	16.5	mg/L	5.0	1		07/16/22 03:34	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.068	mg/L	0.050	1		07/02/22 03:57	14797-55-8		
Nitrate-Nitrite (as N)	0.073	mg/L	0.050	1		07/02/22 03:57	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:26	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	<0.10	mg/L	0.10	1		07/04/22 14:16	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:45	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-33S		Lab ID: 70220351012		Collected: 06/30/22 08:47		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	81.1	ug/L	43.0	43	07/01/22 11:44	07/05/22 14:00	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	8930	ug/L	100	1	07/05/22 06:56	07/07/22 20:21	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	83-32-9		
Acenaphthylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	208-96-8		
Anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	120-12-7		
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	56-55-3		
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	50-32-8		
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	205-99-2		
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	191-24-2		
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	207-08-9		
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	218-01-9		
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	53-70-3		
Fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	206-44-0		
Fluorene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	193-39-5		
Naphthalene	0.027	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	91-20-3		
Phenanthrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	85-01-8		
Pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 19:45	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	93	%	40-112	1	07/06/22 17:28	07/08/22 19:45	93951-69-0		
2-Methylnaphthalene-d10 (S)	76	%	44-146	1	07/06/22 17:28	07/08/22 19:45	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		07/07/22 19:09	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 19:09	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/07/22 19:09	108-88-3		
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 19:09	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	81-122	1		07/07/22 19:09	17060-07-0		
4-Bromofluorobenzene (S)	100	%	79-118	1		07/07/22 19:09	460-00-4		
Toluene-d8 (S)	90	%	82-122	1		07/07/22 19:09	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	416	mg/L	1.0	1		07/06/22 13:29			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-33S		Lab ID: 70220351012		Collected: 06/30/22 08:47		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	24.9	mg/L	5.0	1		07/16/22 03:47	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		07/02/22 03:59	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/02/22 03:59	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:29	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	1.3	mg/L	0.10	1		07/04/22 14:29	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:48	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-40		Lab ID: 70220351013		Collected: 06/30/22 11:30		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	447	ug/L	43.0	43	07/01/22 11:44	07/05/22 14:10	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	4100	ug/L	100	1	07/05/22 06:56	07/07/22 20:23	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	83-32-9		
Acenaphthylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	208-96-8		
Anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	120-12-7		
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	56-55-3		
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	50-32-8		
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	205-99-2		
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	191-24-2		
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	207-08-9		
Chrysene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	218-01-9		
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	53-70-3		
Fluoranthene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	206-44-0		
Fluorene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	193-39-5		
Naphthalene	0.088	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	91-20-3		
Phenanthrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	85-01-8		
Pyrene	<0.020	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:17	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	95	%	40-112	1	07/06/22 17:28	07/08/22 20:17	93951-69-0		
2-Methylnaphthalene-d10 (S)	78	%	44-146	1	07/06/22 17:28	07/08/22 20:17	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		07/07/22 19:30	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		07/07/22 19:30	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/07/22 19:30	108-88-3		
Xylene (Total)	<3.0	ug/L	3.0	1		07/07/22 19:30	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	97	%	81-122	1		07/07/22 19:30	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 19:30	460-00-4		
Toluene-d8 (S)	90	%	82-122	1		07/07/22 19:30	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	180	mg/L	1.0	1		07/06/22 13:40			

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-40		Lab ID: 70220351013		Collected: 06/30/22 11:30		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	5.5	mg/L	5.0	1		07/16/22 04:01	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	0.58	mg/L	0.050	1		07/02/22 04:04	14797-55-8		
Nitrate-Nitrite (as N)	0.59	mg/L	0.050	1		07/02/22 04:04	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:33	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	0.47	mg/L	0.10	1		07/04/22 14:20	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:49	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-46S		Lab ID: 70220351014		Collected: 06/30/22 11:30		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	6650	ug/L	510	510	07/01/22 11:44	07/06/22 11:31	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	5600	ug/L	100	1	07/05/22 06:56	07/07/22 20:30	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	39.8	ug/L	0.40	20	07/06/22 17:28	07/11/22 17:26	83-32-9		
Acenaphthylene	1.7	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	208-96-8		
Anthracene	2.2	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	120-12-7		
Benzo(a)anthracene	0.97	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	56-55-3		
Benzo(a)pyrene	0.85	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	50-32-8		
Benzo(b)fluoranthene	0.51	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	205-99-2		
Benzo(g,h,i)perylene	0.28	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	191-24-2		
Benzo(k)fluoranthene	0.37	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	207-08-9		
Chrysene	0.90	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	218-01-9		
Dibenz(a,h)anthracene	0.10	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	53-70-3		
Fluoranthene	1.6	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	206-44-0		
Fluorene	9.8	ug/L	0.40	20	07/06/22 17:28	07/11/22 17:26	86-73-7		
Indeno(1,2,3-cd)pyrene	0.23	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	193-39-5		
Naphthalene	158	ug/L	1.0	50	07/06/22 17:28	07/09/22 07:26	91-20-3		
Phenanthrene	6.5	ug/L	0.40	20	07/06/22 17:28	07/11/22 17:26	85-01-8		
Pyrene	2.7	ug/L	0.020	1	07/06/22 17:28	07/08/22 20:48	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	92	%	40-112	1	07/06/22 17:28	07/08/22 20:48	93951-69-0		
2-Methylnaphthalene-d10 (S)	77	%	44-146	1	07/06/22 17:28	07/08/22 20:48	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	313	ug/L	10.0	10		07/08/22 13:27	71-43-2		
Ethylbenzene	355	ug/L	10.0	10		07/08/22 13:27	100-41-4		
Toluene	3.8	ug/L	1.0	1		07/07/22 19:51	108-88-3		
Xylene (Total)	138	ug/L	3.0	1		07/07/22 19:51	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/07/22 19:51	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-118	1		07/07/22 19:51	460-00-4		
Toluene-d8 (S)	89	%	82-122	1		07/07/22 19:51	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	315	mg/L	1.0	1		07/06/22 13:56			

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-46S		Lab ID: 70220351014		Collected: 06/30/22 11:30		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	<5.0	mg/L	5.0	1		07/16/22 04:14	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		07/02/22 04:09	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/02/22 04:09	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:37	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	2.5	mg/L	0.10	1		07/04/22 14:22	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:49	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-47S		Lab ID: 70220351015		Collected: 06/30/22 07:05		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville							
Methane, Dissolved	6250	ug/L	510	510	07/01/22 11:44	07/06/22 11:21	74-82-8		
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	21700	ug/L	100	1	07/05/22 06:56	07/07/22 20:32	7439-89-6		
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	0.95	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	83-32-9	L1	
Acenaphthylene	0.031	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	208-96-8		
Anthracene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	120-12-7		
Benzo(a)anthracene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	56-55-3		
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	50-32-8		
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	205-99-2		
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	191-24-2		
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	207-08-9		
Chrysene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	218-01-9		
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	53-70-3		
Fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	206-44-0		
Fluorene	0.039	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	86-73-7		
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	193-39-5		
Naphthalene	0.17	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	91-20-3		
Phenanthrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	85-01-8		
Pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 21:51	129-00-0		
Surrogates									
Fluoranthene-d10 (S)	88	%	40-112	1	07/07/22 23:32	07/08/22 21:51	93951-69-0		
2-Methylnaphthalene-d10 (S)	78	%	44-146	1	07/07/22 23:32	07/08/22 21:51	7297-45-2		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	<1.0	ug/L	1.0	1		07/08/22 13:06	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		07/08/22 13:06	100-41-4		
Toluene	<1.0	ug/L	1.0	1		07/08/22 13:06	108-88-3		
Xylene (Total)	<3.0	ug/L	3.0	1		07/08/22 13:06	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		07/08/22 13:06	17060-07-0		
4-Bromofluorobenzene (S)	100	%	79-118	1		07/08/22 13:06	460-00-4		
Toluene-d8 (S)	89	%	82-122	1		07/08/22 13:06	2037-26-5		
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	311	mg/L	1.0	1		07/06/22 14:10			

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-47S		Lab ID: 70220351015		Collected: 06/30/22 07:05		Received: 07/01/22 10:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	5.1	mg/L	5.0	1		07/16/22 04:28	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	<0.050	mg/L	0.050	1		07/02/22 03:53	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/02/22 03:53	7727-37-9		
353.2 Nitrogen, NO2		Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:23	14797-65-0		
4500 Ammonia Water		Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	4.2	mg/L	0.10	1		07/04/22 14:23	7664-41-7		
9014 Cyanide, Total		Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:50	57-12-5		

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-48S		Lab ID: 70220351016	Collected: 06/30/22 10:20		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Dissolved Gases		Analytical Method: RSK-175 Preparation Method: RSK-175 Pace Analytical Services - Melville						
Methane, Dissolved	7610	ug/L	510	510	07/01/22 11:44	07/06/22 11:40	74-82-8	
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville						
Iron	5300	ug/L	100	1	07/05/22 06:56	07/07/22 20:35	7439-89-6	
8270E MSSV PAH by SIM		Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville						
Acenaphthene	27.0	ug/L	1.0	50	07/07/22 23:32	07/09/22 07:57	83-32-9	
Acenaphthylene	0.94	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	208-96-8	
Anthracene	1.3	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	120-12-7	
Benzo(a)anthracene	0.044	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	205-99-2	
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	191-24-2	
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	207-08-9	
Chrysene	0.044	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	53-70-3	
Fluoranthene	0.56	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	206-44-0	
Fluorene	3.1	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	193-39-5	
Naphthalene	92.8	ug/L	1.0	50	07/07/22 23:32	07/09/22 07:57	91-20-3	L1
Phenanthrene	4.2	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	85-01-8	
Pyrene	0.77	ug/L	0.020	1	07/07/22 23:32	07/08/22 22:23	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	89	%	40-112	1	07/07/22 23:32	07/08/22 22:23	93951-69-0	
2-Methylnaphthalene-d10 (S)	76	%	44-146	1	07/07/22 23:32	07/08/22 22:23	7297-45-2	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville						
Benzene	64.8	ug/L	1.0	1		07/07/22 20:34	71-43-2	
Ethylbenzene	18.7	ug/L	1.0	1		07/07/22 20:34	100-41-4	
Toluene	<1.0	ug/L	1.0	1		07/07/22 20:34	108-88-3	
Xylene (Total)	16.6	ug/L	3.0	1		07/07/22 20:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	81-122	1		07/07/22 20:34	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-118	1		07/07/22 20:34	460-00-4	
Toluene-d8 (S)	88	%	82-122	1		07/07/22 20:34	2037-26-5	
2320B Alkalinity		Analytical Method: SM22 2320B Pace Analytical Services - Melville						
Alkalinity, Total as CaCO3	354	mg/L	1.0	1		07/06/22 14:27		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Sample: MW-48S		Lab ID: 70220351016		Collected: 06/30/22 10:20		Received: 07/01/22 10:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
	Pace Analytical Services - Melville								
Sulfate	<5.0	mg/L	5.0	1		07/16/22 04:41	14808-79-8		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
	Pace Analytical Services - Melville								
Nitrate as N	<0.050	mg/L	0.050	1		07/02/22 04:03	14797-55-8		
Nitrate-Nitrite (as N)	<0.050	mg/L	0.050	1		07/02/22 04:03	7727-37-9		
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2								
	Pace Analytical Services - Melville								
Nitrite as N	<0.050	mg/L	0.050	1		07/02/22 01:32	14797-65-0		
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H								
	Pace Analytical Services - Melville								
Nitrogen, Ammonia	1.4	mg/L	0.10	1		07/04/22 14:24	7664-41-7		
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C								
	Pace Analytical Services - Melville								
Cyanide	<10.0	ug/L	10.0	1	07/13/22 19:20	07/13/22 20:51	57-12-5		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263170	Analysis Method:	RSK-175
QC Batch Method:	RSK-175	Analysis Description:	RSK 175 HEADSPACE
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008		

METHOD BLANK:	1329193	Matrix:	Water
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane, Dissolved	ug/L	<1.0	1.0	07/01/22 10:57	

LABORATORY CONTROL SAMPLE: 1329194						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methane, Dissolved	ug/L	10.2	3.7	37	10-93	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:											
1329591					1329592						
			MS	MSD							
	70220351006		Spike	Spike	MS	MSD	MS	MSD	% Rec		
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	Qual
Methane, Dissolved	ug/L	24.3	61.2	61.2	149	142	203	192	10-185	5	M1

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263419	Analysis Method:	RSK-175
QC Batch Method:	RSK-175	Analysis Description:	RSK 175 HEADSPACE
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

METHOD BLANK:	1330646	Matrix:	Water
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane, Dissolved	ug/L	<1.0	1.0	07/05/22 12:33	

LABORATORY CONTROL SAMPLE:	1330647					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methane, Dissolved	ug/L	10.2	3.2	32	10-93	

SAMPLE DUPLICATE: 1332860

Parameter	Units	70220351016 Result	Dup Result	RPD	Qualifiers
Methane, Dissolved	ug/L	7610	7390	3	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263399	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3005A	Analysis Description:	6010 MET Water
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008, 70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

METHOD BLANK:	1330584	Matrix:	Water
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008, 70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	07/07/22 19:33	

LABORATORY CONTROL SAMPLE:	1330585					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	12500	100	80-120	

MATRIX SPIKE SAMPLE:		1330587					
		70220351006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Iron	ug/L	266	5000	5050	96	75-125	

SAMPLE DUPLICATE: 1330586					
		70220351006	Dup		
Parameter	Units	Result	Result	RPD	Qualifiers
Iron	ug/L	266	267	0	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263659	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70220351007

METHOD BLANK: 1331818 Matrix: Water

Associated Lab Samples: 70220351007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<1.0	1.0	07/06/22 12:14	
Ethylbenzene	ug/L	<1.0	1.0	07/06/22 12:14	
Toluene	ug/L	<1.0	1.0	07/06/22 12:14	
Xylene (Total)	ug/L	<3.0	3.0	07/06/22 12:14	
1,2-Dichloroethane-d4 (S)	%	99	81-122	07/06/22 12:14	
4-Bromofluorobenzene (S)	%	99	79-118	07/06/22 12:14	
Toluene-d8 (S)	%	91	82-122	07/06/22 12:14	

LABORATORY CONTROL SAMPLE: 1331819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	51.3	103	78-117	
Ethylbenzene	ug/L	50	49.9	100	79-115	
Toluene	ug/L	50	57.1	114	80-114	
Xylene (Total)	ug/L	150	154	103	80-118	
1,2-Dichloroethane-d4 (S)	%			95	81-122	
4-Bromofluorobenzene (S)	%			101	79-118	
Toluene-d8 (S)	%			92	82-122	

MATRIX SPIKE SAMPLE: 1332844

Parameter	Units	70220616016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	8.5	50	63.7	110	70-130	
Ethylbenzene	ug/L	<1.0	50	49.9	100	70-126	
Toluene	ug/L	3.2	50	63.2	120	76-123	
Xylene (Total)	ug/L	3.3	150	158	103	78-123	
1,2-Dichloroethane-d4 (S)	%				101	81-122	
4-Bromofluorobenzene (S)	%				104	79-118	
Toluene-d8 (S)	%				89	82-122	

SAMPLE DUPLICATE: 1332347

Parameter	Units	70220351007 Result	Dup Result	RPD	Qualifiers
Benzene	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Toluene	ug/L	1.1	<1.0		

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

SAMPLE DUPLICATE: 1332347

Parameter	Units	70220351007 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	95	96		
4-Bromofluorobenzene (S)	%	102	103		
Toluene-d8 (S)	%	89	89		

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263876	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351008, 70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351016		

METHOD BLANK: 1333020

Matrix: Water

Associated Lab Samples: 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351008, 70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<1.0	1.0	07/07/22 11:51	
Ethylbenzene	ug/L	<1.0	1.0	07/07/22 11:51	
Toluene	ug/L	<1.0	1.0	07/07/22 11:51	
Xylene (Total)	ug/L	<3.0	3.0	07/07/22 11:51	
1,2-Dichloroethane-d4 (S)	%	99	81-122	07/07/22 11:51	
4-Bromofluorobenzene (S)	%	103	79-118	07/07/22 11:51	
Toluene-d8 (S)	%	89	82-122	07/07/22 11:51	

LABORATORY CONTROL SAMPLE: 1333021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	53.9	108	78-117	
Ethylbenzene	ug/L	50	49.5	99	79-115	
Toluene	ug/L	50	56.6	113	80-114	
Xylene (Total)	ug/L	150	152	102	80-118	
1,2-Dichloroethane-d4 (S)	%			100	81-122	
4-Bromofluorobenzene (S)	%			103	79-118	
Toluene-d8 (S)	%			90	82-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1334141 1334142

Parameter	Units	70220351006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	<1.0	50	50	54.8	55.0	110	110	70-130	0	
Ethylbenzene	ug/L	<1.0	50	50	52.2	51.5	104	103	70-126	1	
Toluene	ug/L	<1.0	50	50	61.8	62.4	124	125	76-123	1	M1
Xylene (Total)	ug/L	<3.0	150	150	162	160	108	106	78-123	1	
1,2-Dichloroethane-d4 (S)	%						101	104	81-122		
4-Bromofluorobenzene (S)	%						104	101	79-118		
Toluene-d8 (S)	%						90	89	82-122		

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	264080	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70220351001, 70220351015

METHOD BLANK: 1334247 Matrix: Water

Associated Lab Samples: 70220351001, 70220351015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<1.0	1.0	07/08/22 11:03	
Ethylbenzene	ug/L	<1.0	1.0	07/08/22 11:03	
Toluene	ug/L	<1.0	1.0	07/08/22 11:03	
Xylene (Total)	ug/L	<3.0	3.0	07/08/22 11:03	
1,2-Dichloroethane-d4 (S)	%	96	81-122	07/08/22 11:03	
4-Bromofluorobenzene (S)	%	102	79-118	07/08/22 11:03	
Toluene-d8 (S)	%	90	82-122	07/08/22 11:03	

LABORATORY CONTROL SAMPLE: 1334248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	51.8	104	78-117	
Ethylbenzene	ug/L	50	47.4	95	79-115	
Toluene	ug/L	50	55.6	111	80-114	
Xylene (Total)	ug/L	150	150	100	80-118	
1,2-Dichloroethane-d4 (S)	%			99	81-122	
4-Bromofluorobenzene (S)	%			105	79-118	
Toluene-d8 (S)	%			91	82-122	

MATRIX SPIKE SAMPLE: 1335261

Parameter	Units	70220789002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	<0.58	50	55.2	110	70-130	
Ethylbenzene	ug/L	1.6	50	51.2	99	70-126	
Toluene	ug/L	1.7	50	60.4	117	76-123	
Xylene (Total)	ug/L	10.5	150	164	102	78-123	
1,2-Dichloroethane-d4 (S)	%				103	81-122	
4-Bromofluorobenzene (S)	%				101	79-118	
Toluene-d8 (S)	%				91	82-122	

SAMPLE DUPLICATE: 1335260

Parameter	Units	70220789001 Result	Dup Result	RPD	Qualifiers
Benzene	ug/L	<0.58	<1.0		
Ethylbenzene	ug/L	1.8	1.8	2	
Toluene	ug/L	2.1	2.2	5	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

SAMPLE DUPLICATE: 1335260

Parameter	Units	70220789001 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/L	7.9	8.0	2	
1,2-Dichloroethane-d4 (S)	%	92	98		
4-Bromofluorobenzene (S)	%	100	101		
Toluene-d8 (S)	%	90	89		

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263697	Analysis Method:	EPA 8270E SIM
QC Batch Method:	EPA 3510C	Analysis Description:	8270E Water PAH by SIM MSSV
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008, 70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014		

METHOD BLANK: 1331997

Matrix: Water

Associated Lab Samples: 70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008, 70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.020	0.020	07/07/22 18:04	
Acenaphthylene	ug/L	<0.020	0.020	07/07/22 18:04	
Anthracene	ug/L	<0.020	0.020	07/07/22 18:04	
Benzo(a)anthracene	ug/L	<0.020	0.020	07/07/22 18:04	
Benzo(a)pyrene	ug/L	<0.020	0.020	07/07/22 18:04	
Benzo(b)fluoranthene	ug/L	<0.020	0.020	07/07/22 18:04	
Benzo(g,h,i)perylene	ug/L	<0.020	0.020	07/07/22 18:04	
Benzo(k)fluoranthene	ug/L	<0.020	0.020	07/07/22 18:04	
Chrysene	ug/L	<0.020	0.020	07/07/22 18:04	
Dibenz(a,h)anthracene	ug/L	<0.020	0.020	07/07/22 18:04	
Fluoranthene	ug/L	<0.020	0.020	07/07/22 18:04	
Fluorene	ug/L	<0.020	0.020	07/07/22 18:04	
Indeno(1,2,3-cd)pyrene	ug/L	<0.020	0.020	07/07/22 18:04	
Naphthalene	ug/L	<0.020	0.020	07/07/22 18:04	
Phenanthrene	ug/L	<0.020	0.020	07/07/22 18:04	
Pyrene	ug/L	<0.020	0.020	07/07/22 18:04	
2-Methylnaphthalene-d10 (S)	%	78	44-146	07/07/22 18:04	
Fluoranthene-d10 (S)	%	101	40-112	07/07/22 18:04	

LABORATORY CONTROL SAMPLE: 1331998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	1	0.78	78	33-102	
Acenaphthylene	ug/L	1	0.78	78	35-104	
Anthracene	ug/L	1	0.81	81	41-109	
Benzo(a)anthracene	ug/L	1	0.90	90	39-127	
Benzo(a)pyrene	ug/L	1	0.88	88	40-126	
Benzo(b)fluoranthene	ug/L	1	0.94	94	39-144	
Benzo(g,h,i)perylene	ug/L	1	0.91	91	41-140	
Benzo(k)fluoranthene	ug/L	1	0.86	86	35-131	
Chrysene	ug/L	1	0.89	89	40-117	
Dibenz(a,h)anthracene	ug/L	1	0.92	92	42-139	
Fluoranthene	ug/L	1	0.87	87	43-117	
Fluorene	ug/L	1	0.80	80	38-102	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.96	96	39-139	
Naphthalene	ug/L	1	0.72	72	22-95	
Phenanthrene	ug/L	1	0.82	82	41-111	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

LABORATORY CONTROL SAMPLE: 1331998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	1	0.89	89	38-116	
2-Methylnaphthalene-d10 (S)	%			81	44-146	
Fluoranthene-d10 (S)	%			99	40-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1331999 1332000

Parameter	Units	70220351006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Acenaphthene	ug/L	0.031	1	1	0.77	0.77	71	71	31-98	0	
Acenaphthylene	ug/L	<0.021	1	1	0.77	0.77	75	74	41-114	1	
Anthracene	ug/L	<0.021	1	1	0.79	0.80	76	77	43-126	1	
Benzo(a)anthracene	ug/L	<0.021	1	1	0.90	0.91	86	88	36-143	2	
Benzo(a)pyrene	ug/L	<0.021	1	1	0.85	0.83	82	80	34-141	2	
Benzo(b)fluoranthene	ug/L	<0.021	1	1	0.93	0.83	90	81	32-160	11	
Benzo(g,h,i)perylene	ug/L	<0.021	1	1	0.90	0.84	87	81	33-151	6	
Benzo(k)fluoranthene	ug/L	<0.021	1	1	0.83	0.85	80	82	29-143	2	
Chrysene	ug/L	<0.021	1	1	0.87	0.84	84	81	34-134	3	
Dibenz(a,h)anthracene	ug/L	<0.021	1	1	0.92	0.85	89	82	34-154	8	
Fluoranthene	ug/L	<0.021	1	1	0.85	0.84	82	81	38-134	2	
Fluorene	ug/L	<0.021	1	1	0.78	0.79	75	76	41-122	1	
Indeno(1,2,3-cd)pyrene	ug/L	<0.021	1	1	0.94	0.87	91	84	28-156	8	
Naphthalene	ug/L	<0.021	1	1	0.73	0.85	70	82	27-117	15	
Phenanthrene	ug/L	<0.021	1	1	0.80	0.80	78	77	39-122	1	
Pyrene	ug/L	<0.021	1	1	0.87	0.87	84	84	33-114	0	
2-Methylnaphthalene-d10 (S)	%						75	81	44-146		
Fluoranthene-d10 (S)	%						98	97	40-112		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch: 263941

Analysis Method: EPA 8270E SIM

QC Batch Method: EPA 3510C

Analysis Description: 8270E Water PAH by SIM MSSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70220351015, 70220351016

METHOD BLANK: 1333527

Matrix: Water

Associated Lab Samples: 70220351015, 70220351016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.020	0.020	07/08/22 15:32	
Acenaphthylene	ug/L	<0.020	0.020	07/08/22 15:32	
Anthracene	ug/L	<0.020	0.020	07/08/22 15:32	
Benzo(a)anthracene	ug/L	<0.020	0.020	07/08/22 15:32	
Benzo(a)pyrene	ug/L	<0.020	0.020	07/08/22 15:32	
Benzo(b)fluoranthene	ug/L	<0.020	0.020	07/08/22 15:32	
Benzo(g,h,i)perylene	ug/L	<0.020	0.020	07/08/22 15:32	
Benzo(k)fluoranthene	ug/L	<0.020	0.020	07/08/22 15:32	
Chrysene	ug/L	<0.020	0.020	07/08/22 15:32	
Dibenz(a,h)anthracene	ug/L	<0.020	0.020	07/08/22 15:32	
Fluoranthene	ug/L	<0.020	0.020	07/08/22 15:32	
Fluorene	ug/L	<0.020	0.020	07/08/22 15:32	
Indeno(1,2,3-cd)pyrene	ug/L	<0.020	0.020	07/08/22 15:32	
Naphthalene	ug/L	<0.020	0.020	07/08/22 15:32	
Phenanthrene	ug/L	<0.020	0.020	07/08/22 15:32	
Pyrene	ug/L	<0.020	0.020	07/08/22 15:32	
2-Methylnaphthalene-d10 (S)	%	74	44-146	07/08/22 15:32	
Fluoranthene-d10 (S)	%	90	40-112	07/08/22 15:32	

LABORATORY CONTROL SAMPLE & LCSD: 1333528

1333529

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.79	0.82	79	82	33-102	4	30	
Acenaphthylene	ug/L	1	0.80	0.83	80	83	35-104	4	30	
Anthracene	ug/L	1	0.81	0.85	81	85	41-109	5	30	
Benzo(a)anthracene	ug/L	1	0.90	0.86	90	86	39-127	4	30	
Benzo(a)pyrene	ug/L	1	0.85	0.84	85	84	40-126	1	30	
Benzo(b)fluoranthene	ug/L	1	0.87	0.90	87	90	39-144	4	30	
Benzo(g,h,i)perylene	ug/L	1	0.85	0.84	85	84	41-140	1	30	
Benzo(k)fluoranthene	ug/L	1	0.86	0.84	86	84	35-131	3	30	
Chrysene	ug/L	1	0.81	0.85	81	85	40-117	5	30	
Dibenz(a,h)anthracene	ug/L	1	0.85	0.84	85	84	42-139	0	30	
Fluoranthene	ug/L	1	0.83	0.87	83	87	43-117	5	30	
Fluorene	ug/L	1	0.80	0.84	80	84	38-102	5	30	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.87	0.87	87	87	39-139	1	30	
Naphthalene	ug/L	1	0.91	0.97	91	97	22-95	6	30	L1
Phenanthrene	ug/L	1	0.80	0.85	80	85	41-111	6	30	
Pyrene	ug/L	1	0.86	0.88	86	88	38-116	3	30	
2-Methylnaphthalene-d10 (S)	%				88	91	44-146			

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

LABORATORY CONTROL SAMPLE & LCSD:		1333528		1333529							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Fluoranthene-d10 (S)	%				96	100	40-112				

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263503	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70220351001, 70220351002, 70220351003, 70220351007

METHOD BLANK: 1330886 Matrix: Water
Associated Lab Samples: 70220351001, 70220351002, 70220351003, 70220351007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	07/05/22 14:28	

LABORATORY CONTROL SAMPLE: 1330887

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	27.0	108	85-115	

MATRIX SPIKE SAMPLE: 1330889

Parameter	Units	70220433005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	16.4	50	70.0	107	75-125	

SAMPLE DUPLICATE: 1330888

Parameter	Units	70220433005 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	16.4	16.7	2	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263539	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70220351004, 70220351005, 70220351006, 70220351008

METHOD BLANK: 1331103 Matrix: Water
Associated Lab Samples: 70220351004, 70220351005, 70220351006, 70220351008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	07/05/22 18:24	

LABORATORY CONTROL SAMPLE: 1331104

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	25.5	102	85-115	

MATRIX SPIKE SAMPLE: 1331106

Parameter	Units	70220351006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	302	50	328	52	75-125	M1

SAMPLE DUPLICATE: 1331105

Parameter	Units	70220351006 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	302	297	2	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263595	Analysis Method:	SM22 2320B
QC Batch Method:	SM22 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70220351009, 70220351010, 70220351011

METHOD BLANK: 1331531 Matrix: Water

Associated Lab Samples: 70220351009, 70220351010, 70220351011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	07/06/22 09:10	

LABORATORY CONTROL SAMPLE: 1331532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	27.6	110	85-115	

MATRIX SPIKE SAMPLE: 1331534

Parameter	Units	70220717001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	89.3	50	134	90	75-125	

SAMPLE DUPLICATE: 1331533

Parameter	Units	70220717001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	89.3	88.6	1	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch: 263648 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70220351012, 70220351013, 70220351014, 70220351015, 70220351016

METHOD BLANK: 1331758 Matrix: Water
Associated Lab Samples: 70220351012, 70220351013, 70220351014, 70220351015, 70220351016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<1.0	1.0	07/06/22 13:02	

LABORATORY CONTROL SAMPLE: 1331759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	25	27.0	108	85-115	

MATRIX SPIKE SAMPLE: 1331761

Parameter	Units	70220847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	3.6	50	53.6	100	75-125	

SAMPLE DUPLICATE: 1331760

Parameter	Units	70220847001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	3.6	3.8	3	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	264268	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008		

METHOD BLANK:	1335174	Matrix:	Water
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<5.0	5.0	07/12/22 12:40	

LABORATORY CONTROL SAMPLE:	1335175					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	10	10.6	106	90-110	

MATRIX SPIKE SAMPLE:		1335176					
		70220570001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Sulfate	mg/L	21.7	10	31.0	93	90-110	

MATRIX SPIKE SAMPLE:		1335178					
		70220351006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Sulfate	ma/L	35.9	10	45.7	98	90-110	

SAMPLE DUPLICATE: 1335177					
Parameter	Units	70220570001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	21.7	23.6	8	

SAMPLE DUPLICATE: 1335179					
Parameter	Units	70220351006 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	35.9	36.0	0	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	264889	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

METHOD BLANK:	1338657	Matrix:	Water
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<5.0	5.0	07/15/22 23:16	

LABORATORY CONTROL SAMPLE:	1338658					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	10	10.9	109	90-110	

MATRIX SPIKE SAMPLE:		1338659					
		70220351009	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Sulfate	mg/L	40.9	10	50.9	100	90-110	

MATRIX SPIKE SAMPLE:		1338661					
		70221384001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Sulfate	mg/L	17.7	10	27.7	100	90-110	

SAMPLE DUPLICATE: 1338660					
		70220351009	Dup		
Parameter	Units	Result	Result	RPD	Qualifiers
Sulfate	mg/L	40.9	41.2	1	

SAMPLE DUPLICATE: 1338662					
		70221384001	Dup		
Parameter	Units	Result	Result	RPD	Qualifiers
Sulfate	mg/L	17.7	17.7	0	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263136	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70220351001, 70220351002, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008

METHOD BLANK:	1328986	Matrix:	Water
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Associated Lab Samples: 70220351001, 70220351002, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.027	0.027	07/01/22 00:40	

LABORATORY CONTROL SAMPLE: 1328987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	0.98	98	90-110	

MATRIX SPIKE SAMPLE: 1328988

Parameter	Units	30499228001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.069	0.5	0.55	97	90-110	H3

MATRIX SPIKE SAMPLE: 1328998

Parameter	Units	70220351006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.53	101	90-110	

SAMPLE DUPLICATE: 1328989

Parameter	Units	30499228001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.069	0.063	9	H3

SAMPLE DUPLICATE: 1328999

Parameter	Units	70220351006 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263137	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70220351003

METHOD BLANK: 1328992 Matrix: Water

Associated Lab Samples: 70220351003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.027	0.027	07/01/22 03:07	

LABORATORY CONTROL SAMPLE: 1328993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 1328994

Parameter	Units	70220405001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.36	68	90-110	M1

MATRIX SPIKE SAMPLE: 1329949

Parameter	Units	70220495010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.096	0.5	0.50	80	90-110	M1

SAMPLE DUPLICATE: 1328995

Parameter	Units	70220405001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1329950

Parameter	Units	70220495010 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.096	0.098	2	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263324	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrite, Unpres.
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

METHOD BLANK:	1329951	Matrix:	Water
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.027	0.027	07/02/22 01:20	

LABORATORY CONTROL SAMPLE:	1329952					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	103	90-110	

MATRIX SPIKE SAMPLE:		1329953					
		70220351015	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.51	101	90-110	

MATRIX SPIKE SAMPLE:		1329955					
		30502092001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrite as N	ma/L	ND	0.5	0.55	106	90-110	

SAMPLE DUPLICATE:	1329954				
Parameter	Units	70220351015 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE:	1329956				
Parameter	Units	30502092001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	ND	<0.050		

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263140	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate, Unpres.
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008		

METHOD BLANK:	1329000	Matrix:	Water
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.037	0.037	07/01/22 01:38	

LABORATORY CONTROL SAMPLE:	1329001					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	103	90-110	

MATRIX SPIKE SAMPLE:		1329002					
		70220351007	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	74.5	25	97.2	91	90-110	H1

MATRIX SPIKE SAMPLE:		1329004					
		70220351006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.3	0.5	1.7	85	90-110	M1

SAMPLE DUPLICATE: 1329003					
Parameter	Units	70220351007 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	74.5	74.4	0	H1

SAMPLE DUPLICATE: 1329005					
Parameter	Units	70220351006 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.3	1.4	3	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263331	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate, Unpres.
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

METHOD BLANK:	1329982	Matrix:	Water
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.037	0.037	07/02/22 03:51	

LABORATORY CONTROL SAMPLE:	1329983					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE:		1329984					
		70220351015	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.51	102	90-110	

MATRIX SPIKE SAMPLE:	1329986						
		30502092001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.7	2.5	5.5	111	90-110	M1

SAMPLE DUPLICATE:	1329985				
Parameter	Units	70220351015 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE:	1329987				
Parameter	Units	30502092001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.7	2.7	0	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263382	Analysis Method:	SM22 4500 NH3 H
QC Batch Method:	SM22 4500 NH3 H	Analysis Description:	4500 Ammonia
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70220351001, 70220351002, 70220351003, 70220351004, 70220351005

METHOD BLANK: 1330333 Matrix: Water

Associated Lab Samples: 70220351001, 70220351002, 70220351003, 70220351004, 70220351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.050	0.050	07/04/22 13:19	

LABORATORY CONTROL SAMPLE: 1330334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.95	95	90-110	

MATRIX SPIKE SAMPLE: 1330335

Parameter	Units	70220667001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	27.7	20	49.1	107	75-125	

SAMPLE DUPLICATE: 1330336

Parameter	Units	70220667001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	27.7	23.2	17	

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	263383	Analysis Method:	SM22 4500 NH3 H
QC Batch Method:	SM22 4500 NH3 H	Analysis Description:	4500 Ammonia
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351006, 70220351007, 70220351008, 70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

METHOD BLANK:	1330337	Matrix:	Water
Associated Lab Samples:	70220351006, 70220351007, 70220351008, 70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.050	0.050	07/04/22 13:53	

LABORATORY CONTROL SAMPLE: 1330338						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.91	91	90-110	

MATRIX SPIKE SAMPLE:		1330339					
		70220351006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	1	0.66	56	75-125	M1

SAMPLE DUPLICATE: 1330340

Parameter	Units	70220351006 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	<0.10		

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	264267	Analysis Method:	EPA 9014 Total Cyanide
QC Batch Method:	EPA 9010C	Analysis Description:	9014 Cyanide, Total
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008		

METHOD BLANK:	1335168	Matrix:	Water
Associated Lab Samples:	70220351001, 70220351002, 70220351003, 70220351004, 70220351005, 70220351006, 70220351007, 70220351008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	07/11/22 17:58	

LABORATORY CONTROL SAMPLE:	1335169					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	75.0	100	85-115	

MATRIX SPIKE SAMPLE:	1335170						
Parameter	Units	70220351006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	100	98	75-125	

SAMPLE DUPLICATE: 1335171					
		70220351006	Dup		
Parameter	Units	Result	Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

QC Batch:	264507	Analysis Method:	EPA 9014 Total Cyanide
QC Batch Method:	EPA 9010C	Analysis Description:	9014 Cyanide, Total
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

METHOD BLANK:	1336581	Matrix:	Water
Associated Lab Samples:	70220351009, 70220351010, 70220351011, 70220351012, 70220351013, 70220351014, 70220351015, 70220351016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	07/13/22 20:36	

LABORATORY CONTROL SAMPLE: 1336582						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	77.8	104	85-115	

MATRIX SPIKE SAMPLE:		1336583					
		70220495010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Cyanide	ug/L	10.2	100	100	90	75-125	

SAMPLE DUPLICATE: 1336584					
		70220495010	Dup		
Parameter	Units	Result	Result	RPD	Qualifiers
Cyanide	ug/L	10.2	10.4	3	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

H2 Extraction or preparation conducted outside EPA method holding time.

H3 Sample was received or analysis requested beyond the recognized method holding time.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70220351001	MW-C11	RSK-175	263170	RSK-175	263839
70220351002	MW-C12	RSK-175	263170	RSK-175	263839
70220351003	MW-C16	RSK-175	263170	RSK-175	263839
70220351004	MW-C24S	RSK-175	263170	RSK-175	263839
70220351005	MW-C25S	RSK-175	263170	RSK-175	263839
70220351006	MW-13S MS/MSD	RSK-175	263170	RSK-175	263839
70220351007	MW-45S	RSK-175	263170	RSK-175	263839
70220351008	DUP 01	RSK-175	263170	RSK-175	263839
70220351009	MW-22S	RSK-175	263419	RSK-175	263840
70220351010	MW-23S	RSK-175	263419	RSK-175	263840
70220351011	MW-31S	RSK-175	263419	RSK-175	263840
70220351012	MW-33S	RSK-175	263419	RSK-175	263840
70220351013	MW-40	RSK-175	263419	RSK-175	263840
70220351014	MW-46S	RSK-175	263419	RSK-175	263840
70220351015	MW-47S	RSK-175	263419	RSK-175	263840
70220351016	MW-48S	RSK-175	263419	RSK-175	263840
70220351001	MW-C11	EPA 3005A	263399	EPA 6010C	263529
70220351002	MW-C12	EPA 3005A	263399	EPA 6010C	263529
70220351003	MW-C16	EPA 3005A	263399	EPA 6010C	263529
70220351004	MW-C24S	EPA 3005A	263399	EPA 6010C	263529
70220351005	MW-C25S	EPA 3005A	263399	EPA 6010C	263529
70220351006	MW-13S MS/MSD	EPA 3005A	263399	EPA 6010C	263529
70220351007	MW-45S	EPA 3005A	263399	EPA 6010C	263529
70220351008	DUP 01	EPA 3005A	263399	EPA 6010C	263529
70220351009	MW-22S	EPA 3005A	263399	EPA 6010C	263529
70220351010	MW-23S	EPA 3005A	263399	EPA 6010C	263529
70220351011	MW-31S	EPA 3005A	263399	EPA 6010C	263529
70220351012	MW-33S	EPA 3005A	263399	EPA 6010C	263529
70220351013	MW-40	EPA 3005A	263399	EPA 6010C	263529
70220351014	MW-46S	EPA 3005A	263399	EPA 6010C	263529
70220351015	MW-47S	EPA 3005A	263399	EPA 6010C	263529
70220351016	MW-48S	EPA 3005A	263399	EPA 6010C	263529
70220351001	MW-C11	EPA 3510C	263697	EPA 8270E SIM	263737
70220351002	MW-C12	EPA 3510C	263697	EPA 8270E SIM	263737
70220351003	MW-C16	EPA 3510C	263697	EPA 8270E SIM	263737
70220351004	MW-C24S	EPA 3510C	263697	EPA 8270E SIM	263737
70220351005	MW-C25S	EPA 3510C	263697	EPA 8270E SIM	263737
70220351006	MW-13S MS/MSD	EPA 3510C	263697	EPA 8270E SIM	263737
70220351007	MW-45S	EPA 3510C	263697	EPA 8270E SIM	263737
70220351008	DUP 01	EPA 3510C	263697	EPA 8270E SIM	263737
70220351009	MW-22S	EPA 3510C	263697	EPA 8270E SIM	263737
70220351010	MW-23S	EPA 3510C	263697	EPA 8270E SIM	263737
70220351011	MW-31S	EPA 3510C	263697	EPA 8270E SIM	263737
70220351012	MW-33S	EPA 3510C	263697	EPA 8270E SIM	263737
70220351013	MW-40	EPA 3510C	263697	EPA 8270E SIM	263737
70220351014	MW-46S	EPA 3510C	263697	EPA 8270E SIM	263737
70220351015	MW-47S	EPA 3510C	263941	EPA 8270E SIM	263950

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70220351016	MW-48S	EPA 3510C	263941	EPA 8270E SIM	263950
70220351001	MW-C11	EPA 8260C/5030C	264080		
70220351002	MW-C12	EPA 8260C/5030C	263876		
70220351003	MW-C16	EPA 8260C/5030C	263876		
70220351004	MW-C24S	EPA 8260C/5030C	263876		
70220351005	MW-C25S	EPA 8260C/5030C	263876		
70220351006	MW-13S MS/MSD	EPA 8260C/5030C	263876		
70220351007	MW-45S	EPA 8260C/5030C	263659		
70220351008	DUP 01	EPA 8260C/5030C	263876		
70220351009	MW-22S	EPA 8260C/5030C	263876		
70220351010	MW-23S	EPA 8260C/5030C	263876		
70220351011	MW-31S	EPA 8260C/5030C	263876		
70220351012	MW-33S	EPA 8260C/5030C	263876		
70220351013	MW-40	EPA 8260C/5030C	263876		
70220351014	MW-46S	EPA 8260C/5030C	263876		
70220351015	MW-47S	EPA 8260C/5030C	264080		
70220351016	MW-48S	EPA 8260C/5030C	263876		
70220351001	MW-C11	SM22 2320B	263503		
70220351002	MW-C12	SM22 2320B	263503		
70220351003	MW-C16	SM22 2320B	263503		
70220351004	MW-C24S	SM22 2320B	263539		
70220351005	MW-C25S	SM22 2320B	263539		
70220351006	MW-13S MS/MSD	SM22 2320B	263539		
70220351007	MW-45S	SM22 2320B	263503		
70220351008	DUP 01	SM22 2320B	263539		
70220351009	MW-22S	SM22 2320B	263595		
70220351010	MW-23S	SM22 2320B	263595		
70220351011	MW-31S	SM22 2320B	263595		
70220351012	MW-33S	SM22 2320B	263648		
70220351013	MW-40	SM22 2320B	263648		
70220351014	MW-46S	SM22 2320B	263648		
70220351015	MW-47S	SM22 2320B	263648		
70220351016	MW-48S	SM22 2320B	263648		
70220351001	MW-C11	EPA 300.0	264268		
70220351002	MW-C12	EPA 300.0	264268		
70220351003	MW-C16	EPA 300.0	264268		
70220351004	MW-C24S	EPA 300.0	264268		
70220351005	MW-C25S	EPA 300.0	264268		
70220351006	MW-13S MS/MSD	EPA 300.0	264268		
70220351007	MW-45S	EPA 300.0	264268		
70220351008	DUP 01	EPA 300.0	264268		
70220351009	MW-22S	EPA 300.0	264889		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70220351010	MW-23S	EPA 300.0	264889		
70220351011	MW-31S	EPA 300.0	264889		
70220351012	MW-33S	EPA 300.0	264889		
70220351013	MW-40	EPA 300.0	264889		
70220351014	MW-46S	EPA 300.0	264889		
70220351015	MW-47S	EPA 300.0	264889		
70220351016	MW-48S	EPA 300.0	264889		
70220351001	MW-C11	EPA 353.2	263140		
70220351002	MW-C12	EPA 353.2	263140		
70220351003	MW-C16	EPA 353.2	263140		
70220351004	MW-C24S	EPA 353.2	263140		
70220351005	MW-C25S	EPA 353.2	263140		
70220351006	MW-13S MS/MSD	EPA 353.2	263140		
70220351007	MW-45S	EPA 353.2	263140		
70220351008	DUP 01	EPA 353.2	263140		
70220351009	MW-22S	EPA 353.2	263331		
70220351010	MW-23S	EPA 353.2	263331		
70220351011	MW-31S	EPA 353.2	263331		
70220351012	MW-33S	EPA 353.2	263331		
70220351013	MW-40	EPA 353.2	263331		
70220351014	MW-46S	EPA 353.2	263331		
70220351015	MW-47S	EPA 353.2	263331		
70220351016	MW-48S	EPA 353.2	263331		
70220351001	MW-C11	EPA 353.2	263136		
70220351002	MW-C12	EPA 353.2	263136		
70220351003	MW-C16	EPA 353.2	263137		
70220351004	MW-C24S	EPA 353.2	263136		
70220351005	MW-C25S	EPA 353.2	263136		
70220351006	MW-13S MS/MSD	EPA 353.2	263136		
70220351007	MW-45S	EPA 353.2	263136		
70220351008	DUP 01	EPA 353.2	263136		
70220351009	MW-22S	EPA 353.2	263324		
70220351010	MW-23S	EPA 353.2	263324		
70220351011	MW-31S	EPA 353.2	263324		
70220351012	MW-33S	EPA 353.2	263324		
70220351013	MW-40	EPA 353.2	263324		
70220351014	MW-46S	EPA 353.2	263324		
70220351015	MW-47S	EPA 353.2	263324		
70220351016	MW-48S	EPA 353.2	263324		
70220351001	MW-C11	SM22 4500 NH3 H	263382		
70220351002	MW-C12	SM22 4500 NH3 H	263382		
70220351003	MW-C16	SM22 4500 NH3 H	263382		
70220351004	MW-C24S	SM22 4500 NH3 H	263382		
70220351005	MW-C25S	SM22 4500 NH3 H	263382		
70220351006	MW-13S MS/MSD	SM22 4500 NH3 H	263383		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYSEG ITHACA COURT STREET 6/29

Pace Project No.: 70220351

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70220351007	MW-45S	SM22 4500 NH3 H	263383		
70220351008	DUP 01	SM22 4500 NH3 H	263383		
70220351009	MW-22S	SM22 4500 NH3 H	263383		
70220351010	MW-23S	SM22 4500 NH3 H	263383		
70220351011	MW-31S	SM22 4500 NH3 H	263383		
70220351012	MW-33S	SM22 4500 NH3 H	263383		
70220351013	MW-40	SM22 4500 NH3 H	263383		
70220351014	MW-46S	SM22 4500 NH3 H	263383		
70220351015	MW-47S	SM22 4500 NH3 H	263383		
70220351016	MW-48S	SM22 4500 NH3 H	263383		
70220351001	MW-C11	EPA 9010C	264267	EPA 9014 Total Cyanide	264353
70220351002	MW-C12	EPA 9010C	264267	EPA 9014 Total Cyanide	264353
70220351003	MW-C16	EPA 9010C	264267	EPA 9014 Total Cyanide	264353
70220351004	MW-C24S	EPA 9010C	264267	EPA 9014 Total Cyanide	264353
70220351005	MW-C25S	EPA 9010C	264267	EPA 9014 Total Cyanide	264353
70220351006	MW-13S MS/MSD	EPA 9010C	264267	EPA 9014 Total Cyanide	264353
70220351007	MW-45S	EPA 9010C	264267	EPA 9014 Total Cyanide	264353
70220351008	DUP 01	EPA 9010C	264267	EPA 9014 Total Cyanide	264353
70220351009	MW-22S	EPA 9010C	264507	EPA 9014 Total Cyanide	264789
70220351010	MW-23S	EPA 9010C	264507	EPA 9014 Total Cyanide	264789
70220351011	MW-31S	EPA 9010C	264507	EPA 9014 Total Cyanide	264789
70220351012	MW-33S	EPA 9010C	264507	EPA 9014 Total Cyanide	264789
70220351013	MW-40	EPA 9010C	264507	EPA 9014 Total Cyanide	264789
70220351014	MW-46S	EPA 9010C	264507	EPA 9014 Total Cyanide	264789
70220351015	MW-47S	EPA 9010C	264507	EPA 9014 Total Cyanide	264789
70220351016	MW-48S	EPA 9010C	264507	EPA 9014 Total Cyanide	264789

REPORT OF LABORATORY ANALYSIS

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70220351

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be filled out and acceptance of the Pace Terms and Conditions found at <https://info.pace.com/terms>

Invoice Information:

WO#: 70220351

Pace Analytical

Client Name:

Project:

PM: STS

Due Date: 07/15/22

CLIENT: GET-1

Courier: ☐ Fed Ex ☒ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 7772 6087 8730

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☐ Yes ☒ No ☐ N/APacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Ziploc ☐ None ☐ OtherThermometer Used: ~~TH001~~ TA148 Correction Factor: +1.2

Cooler Temperature(°C): 2.4 Cooler Temperature Corrected(°C): 2.6

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: SAR6/30

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ Noincluding Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for I)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		11.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
-Includes date/time/ID/ Matrix: SL WT OIL				
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13.
pH paper Lot # 114281827				
All containers needing preservation are found to be in compliance with method recommendation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Sample #
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)				
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	15.
Lead Acetate Strips Lot # 560125				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

WO#: 70220351

PM: STS Due Date: 07/15/22
 CLIENT: GEI-I

occurately.
 -standard-terms.pdf. Day 3



Section A
 Required Client Information:
 Company: GEI Consultants
 Address: 1301 Trumansburg Rd
 Suite N, Ithaca, NY 14850
 Email: info@geiconsultants.com
 Phone: 607-216-8955
 Fax:
 Requested Due Date:
 Project Name: NYSEG-ITHACA COURT STREET WELLS
 Project #: 2202159
 Report To:
 Copy To:
 Company Name:
 Address:
 Regulatory Agency:
 State / Location: NY
 Page: 1 Of 2

ITEM #	MATRIX	CODE	SAMPLE ID		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION		PRESERVATIVES							Y/N	Requested Analysis Filtered (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			One Character per box. (A-Z, 0-9 / . -)	Sample Ids must be unique			START	END	DATE	TIME	DATE	TIME	H2SO4	HNO3	HCl	NaOH	Na2S2O3		Methanol	Other	Residual Chlorine (Y/N)	Ferrous Iron	Total Iron by 6010	RSK Methane	Nitrate, Ammonia	Sulfate, Alkalinity, Nitrite	Cyanide	8270 SIM PAH list	BTX 8260	Analyses Test																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Pace

Day 3

Page: 2 Of 2[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on ce (Y/N)	Custody leaved Cooler (Y/N)	Samples Contact (Y/N)
	Breanna Rabst/CERT	6/30	1320	Rm PACIS	6/30	1320				
	Murphy	6/30	1700		7/1/22	n/a				
SAMPLER NAME AND SIGNATURE										
PRINT Name of SAMPLER: Breanna Rabst										
SIGNATURE OF SAMPLER:  DATE Signed: 6/30/22										

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WO#: 70220351

Pace Analytical

Client Name:

Pre

PM: STS

Due Date: 07/15/22

CLIENT: GEI-I

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 7772 7187 9495

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ No ☐ N/APacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☒ Ziploc ☐ None ☐ OtherThermometer Used: ~~TH091~~ T6148 Correction Factor: +1.2

Cooler Temperature (°C): 1.1 Cooler Temperature Corrected (°C): 1.3

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: KJH/1/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ NoDid samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCURT/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		11.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
-Includes date/time/ID, Matrix: SL, WT, OIL				
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13.
pH paper Lot # K28187				
All containers needing preservation are found to be in compliance with method recommendation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Sample #
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide)				
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	14.
KI starch test strips Lot # 14-860				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	15.
Lead Acetate Strips Lot # 500125				Positive for Sulfide? Y (N)
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: