August 9, 2023
Project 2202159

VIA EMAIL: oliver.wolfe@dec.ny.gov

Consulting
Engineers and
Scientists

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

Re: Q3 2022 Groundwater Monitoring Report
NYSEG Ithaca – Court Street Former MGP Site, OU2
Ithaca, NY

Dear Mr. Oliver Wolfe:

This letter presents to you our report on groundwater sampling for the Third 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 September 19 through 21, 2022.

The following 15 wells were sampled:

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

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 September 19-21 by Breana Pabst and Robina Moyer from GEI's Ithaca, NY office.

GEI Consultants, Inc., P.C.
1301 Trumansburg Road, Suite N, Ithaca, NY 14850
607.216.8955

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 September 19, 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 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 event wells MW-24S and MW-25S went dry during purging. These wells were allowed to recharge and were purged a second time. Upon recovery the samples were then obtained. The sample from MW-24S was taken on September 20 at 0755 after the previous purging attempted ran the well dry. Similarly, a sample from MW-25S was taken on September 21 at 0755.

Thunderstorms occurred on September 19 which caused an inherent safety issue leading to a postponement of work. MW-C11 was purged on this day and work stopped before parameters were stabilized. Purging resumed the next morning. The well was stabilized and sampled on September 20 at 0830.

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 two data packages for the September 2022 sampling event were not submitted to GEI by Pace Laboratory until June 12 and 15, 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 their NYSDEC groundwater 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). Where applicable, the laboratory results and data qualifiers have been modified as shown in the Data Summary Table (Table 2) to reflect the results of the data validation. The associated Form 1 laboratory sheets with mark-ups are provided with the DUSRs.

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 Observation and Field Issues

GEI field staff performed monitoring well condition assessments on September 19, 2022, to assess well conditions and the need for any repairs. No repairs were made and a summary of damages and issues with the monitoring wells is provided in Table 1.

Monitoring Results

Overall, the Q3 - 2022 monitoring results were consistent with previous quarterly events. The following observations are presented for the Q3 2022 monitoring event:

- A potentiometric surface map of groundwater elevations for the site is provided as Figure 2. Groundwater generally flows west toward Washington Street and the site has a low hydraulic gradient of around 0.0003, meaning the water table is relatively flat. This is consistent with previous monitoring events.
- A summary of groundwater analytical data for the Quarterly Sampling event is available in Table 2. The compounds that were measured to exceed their groundwater standard or guidance values are shown on Figure 3.
- BTEX compounds were in exceedance of New York groundwater standards in 6 wells: MW-13S, MW-22S, MW-23S, MW-46S, MW-48S, MW-C12.
- PAH Compounds were detected in all but two of the samples taken, MW-13S and MW-40. Six wells had concentrations of PAH compounds which exceeded groundwater standard or guidance values: MW-23S, MW-46S, MW-48S, MW-C11, MW-C12, and MW-C16.
- No sample showed exceedance of Total Cyanide concentrations, but it was detected in 3 wells and a duplicate sample: MW-22S (104 ug/L), MW-25S (20.1 ug/L), MW-C11 (10.2 ug/L), and DUP MW-C12 (11.8 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

    As noted above, the ferrous iron analysis was not performed by the laboratory.

    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.

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

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: Oliver Wofle– NYSDEC

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Tables

Table 1. Ithaca Court Street-September 2022
Groundwater Analysis Results
NYSEG

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
SMP Monitoring Plan Locations - Gauged and Sampled										
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.
	9/29/2020	17.23	17 - 15	15 - 10	6.01	5.53	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.
	9/30/2020	17.21	17 - 15	15 - 10	7.01	5.53	385.75	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	10/1/2020	17.28	17 - 15	15 - 10	8.01	5.53	385.79	N	NA	Well in good condition. Lots of mud underneath the well cap. Purge water clear, and no odor or sheen noted.
	10/2/2020	15.38	17 - 15	15 - 10	9.01	5.53	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.
	10/3/2020	12.41	17 - 15	15 - 10	10.01	5.53	385.72	N	NA	Roadbox flooded; sludge surrounding inner casing.
	10/4/2020	16.95	17 - 15	15 - 10	11.01	5.53	385.75	N	NA	Roadbox flooded; missing one bolt and threads in collar; dark black sediment on bottom; slight sulphur-like odor.
MW - C12	10/5/2020	17.21	17 - 15	15 - 10	12.01	5.53	385.56	N	NA	Good condition; Water clear during purging.
	10/6/2020	17.62	17 - 15	15 - 10	13.01	5.53	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.
	10/7/2020	17.22	17 - 15	15 - 10	14.01	5.53	386.11	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	10/8/2020	17.22	17 - 15	15 - 10	15.01	5.53	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.
	10/9/2020	17.21	17 - 15	15 - 10	16.01	5.53	386.22	N	NA	Fine condition, no odor or sheen observed.
	10/10/2020	17.21	17-15	15 - 10	17.01	5.53	385.95	N	NA	Sulphur-like odor during sampling.
	10/11/2020	17.30	17-15	15 - 10	18.01	5.53	385.97	N	NA	Good condition; chemical-like odor during sampling.
MW - 13S	10/12/2020	14.40	--	15 - 5	19.01	5.53	NC	N	NA	Top is at an angle and cap doesn't fit with lid.
	10/13/2020	14.43	--	15 - 5	20.01	5.53	NC	N	NA	Cover is at an angle and the cap doesn't fit with the cover on; missing one bolt.
MW - C16	10/14/2020	15.98	16 - 14	14 - 9	21.01	5.53	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.
	10/15/2020	15.95	16 - 14	14 - 9	22.01	5.53	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.
	10/16/2020	15.94	16 - 14	14 - 9	23.01	5.53	386.69	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	10/17/2020	15.87	16 - 14	14 - 9	24.01	5.53	386.15	N	NA	Good condition. Faint MGP-like odor noted during gauging and purging. Black specs seen in purge water. No sheen observed.
	10/18/2020	16.07	16 - 14	14 - 9	25.01	5.53	386.67	N	NA	Fine condition, no odor or sheen observed.
	10/19/2020	16.13	16 - 14	14 - 9	26.01	5.53	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.
	10/20/2020	16.08	16 - 14	14 - 9	27.01	5.53	385.69	N	NA	Missing one bolt; chemical-like odor during sampling; black sludge on bottom.
MW - 22S	10/21/2020	13.10	--	14 - 4	28.01	5.53	382.05	N	NA	Good condition; Water clear during purging.
	10/22/2020	13.64	--	14 - 4	29.01	5.53	383.90	N	NA	Well located in a flower bed and in good condition. Purge water clear, and no odor or sheen noted.
	10/23/2020	13.61	--	14 - 4	30.01	5.53	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.
	10/24/2020	13.68	--	14 - 4	31.01	5.53	382.54	N	NA	Good condition. No odor or sheen noted.
	10/25/2020	13.65	--	14 - 4	32.01	5.53	383.01	N	NA	Fine condition, no odor or sheen observed.
	10/26/2020	13.60	_	14 - 4	33.01	5.53	382.04	N	NA	No bolts on roadbox cover; no odor or sheen observed.
	10/27/2020	13.60	_	14 - 4	34.01	5.53	381.85	N	NA	No bolts on roadbox cover.
MW - 23S	10/28/2020	13.70	--	14 - 4	35.01	5.53	380.22	N	NA	Good condition; Water clear during purging, solvent-like odor noted during sampling.
	10/29/2020	13.69	--	14 - 4	36.01	5.53	380.80	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	10/30/2020	13.65	--	14 - 4	37.01	5.53	380.68	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted. Well has very good recharge.
	10/31/2020	13.68	--	14 - 4	38.01	5.53	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.
	11/1/2020	13.67	--	14 - 4	39.01	5.53	380.70	N	NA	Fine condition. White flakes observed in the purged water. Product-like odor observed while purging.
	11/2/2020	13.70	_	14 -4	40.01	5.53	380.46	N	NA	Missing two bolts on roadbox cover; no odor or sheen observed.
	11/3/2020	13.64	_	14 -4	41.01	5.53	380.23	N	NA	Missing two bolts and threads on collar; NAPL-like odor during sampling.
MW - 24S	11/4/2020	13.50	--	14 - 4	42.01	5.53	NC	N	NA	Top of PVC casing bent/crushed; Water clear during purging.
	11/5/2020	13.71	--	14 - 4	43.01	5.53	NC	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	11/6/2020	13.66	--	14 - 4	44.01	5.53	NC	N	NA	Well in good condition. Purge water cleared up, faint organic odor detected, no sheen detected.
	11/7/2020	13.45	--	14 - 4	45.01	5.53	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.
	11/8/2020	13.98	--	14 - 4	46.01	5.53	NC	N	NA	Fine Condition. No sheen observed. Odor of decaying material observed while purging.
	11/9/2020	13.49	_	14 - 4	47.01	5.53	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.
	11/10/2020	13.50	_	14 - 4	48.01	5.53	NC	N	NA	Bulge in PVC casing; missing bolts; plug doesn't fit with cover; purged dry on 9/19 and sampled on 9/20; odor of decaying material.
MW - 25S	11/11/2020	9.40	--	10 - 3	49.01	5.53	384.10	N	NA	Partially overgrown with grass, good condition; Water clear during purging.
	11/12/2020	9.72	--	10 - 3	50.01	5.53	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.
	11/13/2020	9.71	--	10 - 3	51.01	5.53	384.79	N	NA	Purge water clear, no sheen or odors detected. Well has very poor recharge. Short spikes in tubidity were seen throughout the sampling process, possibly due to low water level.
	11/14/2020	9.70	--	10 - 3	52.01	5.53	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.
	11/15/2020	9.73	--	10 - 3	53.01	5.53	385.03	N	NA	Fine condition, no odor or sheen observed. Ran dry and was sampled at a later time.
	11/16/2020	NM	-	10 - 3	54.01	5.53	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.
	11/17/2020	9.70	-	10 - 3	55.01	5.53	384.55	N	NA	Missing one bolts; purged dry on 9/20/22; grab sample collected on 9/21/22
MW - 28S	11/18/2020	19.80	--	20 - 7	56.01	5.53	386.94	N	NA	Good condition; Water clear during purging.
	11/19/2020	19.65	--	20 - 7	57.01	5.53	387.52	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	11/20/2020	19.50	--	20 - 7	58.01	5.53	387.39	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	11/21/2020	19.55	--	20 - 7	59.01	5.53	387.39	N	NA	Good condition. Damp (decomposing) odor noted when gauging. No odor or sheen noted during purging.
	11/22/2020	19.54	--	20 - 7	60.01	5.53	387.38	N	NA	Fine condition, sulfur-like odor observed while purging. No sheen observed.
MW - 31S	11/23/2020	11.30	--	12 - 4	61.01	5.53	380.47	N	NA	Good condition; Gray cloudy water initially noted during purging.
	11/24/2020	11.34	--	12 - 4	62.01	5.53	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.
	11/25/2020	11.53	--	12 - 4	63.01	5.53	381.11	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	11/26/2020	11.55	--	12 - 4	64.01	5.53	380.97	N	NA	Good condition. No odor or sheen noted. YSI technical difficulties, so team purged 3 well volumes before sampling.
	11/27/2020	11.62	--	12 - 4	65.01	5.53	381.13	N	NA	Fine condition. White flakes observed in the purged water. No odor noted.
	11/28/2020	11.59	_	12 - 4	66.01	5.53	380.40	N	NA	Good condition; rusted lock removed.
	11/29/2020	11.60	_	12 - 4	67.01	5.53	380.72	N	NA	Good condition; slight NAPL-like odor during sampling.
MW - 33S*	11/30/2020	9.52	--	10 - 2.5	68.01	5.53	380.66	N	NA	Good condition; Rust-colored water initially noted during purging.
	12/1/2020	9.51	--	10 - 2.5	69.01	5.53	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.
	12/2/2020	9.48	--	10 - 2.5	70.01	5.53	383.22	N	NA	Well in good condition. Purge water initially tan and cleared towards end of purge, no odor or sheen noted.
	12/3/2020	9.47	--	10 - 2.5	71.01	5.53	383.22	N	NA	Good condition. Rust-like substance on the well casing and tubing. No sheen or odor noted.
	12/4/2020	9.51	--	10 - 2.5	72.01	5.53	383.95	N	NA	Fine condition, no odor or sheen observed.
	12/5/2020	9.48	-	10 - 2.5	73.01	5.53	382.43	N	NA	Good condition; rusted lock on plug; iron bacteria on probe.
	12/6/2020	9.50	-	10 - 2.5	74.01	5.53	381.20	N	NA	Good condition; rusted lock on plug; slight chemical odor during sampling.

Table 1. Ithaca Court Street-September 2022
Groundwater Analysis Results
NYSEG

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
SMP Monitoring Plan Locations - Gauged and Sampled										
MW - 40	12/7/2020	8.30	--	9 -3	75.01	5.53	380.28	N	NA	Good condition; Light brown cloudy water initially noted during purging.
	12/8/2020	8.39	--	9 -3	76.01	5.53	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.
	12/9/2020	9.38	--	9 - 3	77.01	5.53	382.00	N	NA	Concrete pad loose. Purge water clear, and no odor or sheen noted.
	12/10/2020	8.36	--	9 - 3	78.01	5.53	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.
	12/11/2020	8.37	--	9 - 3	79.01	5.53	382.71	N	NA	Poor condition, no odor or sheen observed.
	12/12/2020	8.39	-	9 - 3	80.01	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.
	12/13/2020	8.11	-	9 - 3	81.01	6.09	381.30	N	NA	Cover and casing replaced since last monitoring event; rusted lock on plug.
MW - 45S	12/14/2020	17.00	15 - 14	14 - 4	82.01	5.56	381.45	N	NA	Good condition; Gray cloudy water initially noted during purging.
	12/15/2020	14.72	15 - 14	14 - 4	83.01	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.
	12/16/2020	14.68	15 - 14	14 - 4	84.01	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.
	12/17/2020	14.85	15 - 14	14 - 4	85.01	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).
	12/18/2020	19.80	15 - 14	14 - 4	86.01	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.
	12/19/2020	14.90	15 - 14	14 - 4	87.01	5.41	381.60	N	NA	Missing one bolt; purged dry on 6/28/22; sampled on 6/29/22.
	12/20/2020	14.82	15 - 14	14 - 4	88.01	5.60	381.41	N	NA	Missing one bolt; samples had a slight yellow tint with brown flecks.
MW - 46S	12/21/2020	16.70	--	18 - 8	89.01	5.38	382.60	N	NA	Good condition; Water clear during purging.
	12/22/2020	17.02	--	18 - 8	90.01	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.
	12/23/2020	16.78	--	18 - 8	91.01	4.50	383.08	N	NA	Well in good condition. Purge water clear, and no odor or sheen noted.
	12/24/2020	16.88	--	18 - 8	92.01	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.
	12/25/2020	16.88	--	18 - 8	93.01	4.17	383.41	N	NA	Fine condition. Product like odor indicated during gauging. Sheen observed on purge water
	12/26/2020	16.84	--	18 - 8	94.01	4.90	382.68	Y	0.1	Plug not on casing; NAPL-like odor; sheen on purge water; trace of NAPL on probe.
	12/27/2020	16.85	--	18 - 8	95.01	5.25	382.33	Y	0.1	Good condition; sheen on purge water; NAPL-like odor while sampling; trace NAPL in bottom of well.
MW - 47S	12/28/2020	14.50	--	15 - 5	96.01	5.33	382.44	N	NA	Good condition; Gray cloudy water initially noted during purging.
	12/29/2020	14.69	--	15 - 5	97.01	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.
	12/30/2020	14.64	--	15 - 5	98.01	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.
	12/31/2020	14.65	--	15 - 5	99.01	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.
	1/1/2021	14.86	--	15 - 5	100.01	4.65	383.12	N	NA	Fine condition, no odor or sheen observed. Ran dry and was sampled at a later time.
	1/2/2021	15.00	--	15 - 5	101.01	5.27	382.50	N	NA	Missing one bolt; purged dry during sampling on 6/30/22; samples slightly murky.
	1/3/2021	14.93	--	15 - 5	102.01	5.69	382.08	N	NA	Missing one bolt; rubber gasket on plug broken; purged dry on 9/20; sampled on 9/21; samples slightly cloudy and suspended particles visible in samples.
MW - 48S	1/4/2021	14.30	15 - 14	14 - 4	103.01	4.42	382.73	N	NA	Good condition; Gray/black cloudy water initially noted during purging and odor noted during sampling.
	1/5/2021	13.24	15 - 14	14 - 4	104.01	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.
	1/6/2021	13.20	15 - 14	14 - 4	105.01	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.
	1/7/2021	13.38	15 - 14	14 - 4	106.01	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).
	1/8/2021	13.52	15 - 14	14 - 4	107.01	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.
	1/9/2021	13.42	15 - 14	14 - 4	108.01	4.40	382.75	N	NA	NAPL-like odor when sampling; sheen on purge water.
	1/10/2021	13.46	15 - 14	14 - 4	4.12	4.42	382.73	N	NA	Good condition; NAPL-like odor when sampling.

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 reference elevation data not available
7. NA - Not applicable

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

Analyte	Units	CAS No.	NYS AWQS	Sample Name / Sample Date / Parent Sample: MW-13S 9/19/2022	MW-22S 9/21/2022	MW-23S 9/20/2022	MW-24S 9/20/2022	MW-25S 9/21/2022	MW-31S 9/20/2022	MW-33S 9/21/2022	MW-40 9/20/2022	MW-45S 9/20/2022	MW-46S 9/21/2022	MW-47S 9/21/2022	MW-48S 9/21/2022	MW-C11 9/20/2022	MW-C12 9/20/2022	DUP 9/20/2022 MW-C12	MW-C16 9/19/2022
BTEX	ug/L																		
Benzene		71-43-2	1	**2**	**13.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**278**	1 U	**27.4**	1 U	**1.5**	**2.4**	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.4**	1 U	1 U	1 UJ	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	**1.8**	**10.6**	**21.9**	1 U	1 U	1 U	1 U	1 U	1 U	**256**	1 U	**14.6**	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	3 U	**5.6**	**14.2**	3 U	3 U	3 U	3 U	3 U	3 U	**61.8**	3 U	**12**	3 U	3 U	3 U	3 U
Total BTEX (ND=0)		TBTEX_ND0	NE	**3.8**	**29.6**	**36.1**	ND	ND	ND	ND	ND	ND	**597.2**	ND	**54**	ND	**1.5**	**2.4**	ND
PAH16	ug/L																		
Acenaphthene		83-32-9	20*	0.02 U	**1.4**	**35.4 J**	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**22.6**	**1**	**30.5**	**0.59**	**76.1**	**78.9**	**16.4 J**
Acenaphthylene		208-96-8	NE	0.02 U	0.02 U	**0.54 J**	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.79**	**0.024**	**0.84**	**0.1 J**	**0.7**	**0.75**	**0.26 J**
Anthracene		120-12-7	50*	0.02 U	0.02 U	**2 J**	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.8**	0.02 U	**1.2**	0.021 U	**0.06**	**0.052**	**0.15 J**
Benzo(a)anthracene		56-55-3	0.002*	0.02 U	0.02 U	**0.044 J**	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.21**	0.02 U	**0.048**	0.021 U	**0.025**	0.02 U	**0.084 J**
Benzo(b)fluoranthene		205-99-2	0.002*	0.02 U	0.02 U	0.02 UJ	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.093**	0.02 U	0.02 U	**0.022**	**0.024**	0.02 U	**0.13 J**
Benzo(k)fluoranthene		207-08-9	0.002*	0.02 U	0.02 U	0.02 UJ	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.046**	0.02 U	0.02 U	**0.024**	0.021 U	0.02 U	**0.055 J**
Benzo(g,h,i)perylene		191-24-2	NE	0.02 U	0.02 U	0.02 UJ	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.048**	0.02 U	0.02 U	**0.028**	**0.025**	0.02 U	**0.11 J**
Benzo(a)pyrene		50-32-8	ND	0.02 U	0.02 U	0.02 UJ	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.14**	0.02 U	0.02 U	**0.021 J**	**0.021**	0.02 U	**0.11 J**
Chrysene		218-01-9	0.002*	0.02 U	0.02 U	**0.045 J**	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.19**	0.02 U	**0.049**	0.021 U	**0.024**	0.02 U	**0.12 J**
Dibenz(a,h)anthracene		53-70-3	NE	0.02 U	0.02 U	0.02 UJ	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.023**	**0.021**	0.02 U	**0.02 J**
Fluoranthene		206-44-0	50*	0.02 U	0.02 U	**0.84 J**	**0.02**	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.53**	0.02 U	**0.55**	**0.027 J**	**0.037**	**0.021**	**0.39 J**
Fluorene		86-73-7	50*	0.02 U	**0.021**	**9 J**	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**4.2**	**0.04**	**2.6**	**0.021 J**	**9.4**	**9.8**	**1.9 J**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.02 U	0.02 U	0.02 UJ	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.037**	0.02 U	0.02 U	**0.027**	**0.023**	0.02 U	**0.075 J**
Naphthalene		91-20-3	10*	0.02 U	**0.22**	**35 J**	0.019 U	**0.085**	**0.041 J**	**0.083 J**	0.02 U	**0.04**	**240**	**0.11**	**65.5**	0.021 U	**0.048**	**0.051**	**0.11 J**
Phenanthrene		85-01-8	50*	0.02 U	0.02 U	**8.5 J**	0.019 U	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**2.8**	0.02 U	**3.9**	0.021 U	**0.3**	**0.35**	**0.8 J**
Pyrene		129-00-0	50*	0.02 U	0.02 U	**1.3 J**	**0.021**	0.02 U	0.02 UJ	0.02 UJ	0.02 U	0.02 U	**0.99**	0.02 U	**0.79**	**0.045**	**0.042**	**0.024**	**0.6 J**
Total PAH (16) (ND=0)		TPAH16_ND0	NE	ND	**1.641**	**92.669**	**0.041**	**0.085**	**0.041**	**0.083**	ND	**0.04**	**273.474**	**1.174**	**105.977**	**0.928**	**86.85**	**89.948**	**21.314**
Total Metals	ug/L																		
Iron		7439-89-6	300	**380**	**8220**	**664**	**1060**	**1060**	**583**	**15300**	**12800**	**17300**	**2970**	**3410**	**4170**	**2040**	**1470**	**1520**	**11600**
Cyanides	ug/L																		
Total Cyanide		57-12-5	200	10 U	**104**	10 U	10 U	**20.1**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**10.2**	10 U	**11.8**	10 U
Other																			
Carbonate Alkalinity as Calcium carbonate	ug/L	CO3	NE	**353000**	**347000**	**207000**	**371000**	**559000**	**314000**	**425000**	**183000**	**390000**	**300000**	**306000**	**397000**	**330000**	**564000**	**529000**	**668000**
Ammonia	ug/L	7664-41-7	2000	**220**	**3300**	**560**	**280**	**460**	**140**	**3100**	**4400**	**2700**	**2100**	**2600**	**2000**	**430**	**2600**	**2200**	**730**
Methane	ug/L	74-82-8	NE	**381 J**	**1050 J**	**2280**	**434 J**	215 U	**930**	**754 J**	**1090**	**1630**	**3590**	**2790**	**1810**	**264 J**	**680**	**852**	**267 J**
Nitrate as Nitrogen	ug/L	14797-55-8	10000	**290**	**60**	**260**	**99**	**110**	50 U	50 U	**390**	50 U	50 U	**57**	50 U	50 U	50 U	50 U	50 U
Nitrite as Nitrogen	ug/L	14797-65-0	1000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Total Nitrogen	ug/L	7727-37-9	NE	**290**	**72**	**260**	**100**	**130**	50 U	50 U	**390**	50 U	50 U	**67**	50 U	50 U	50 U	50 U	50 U
Sulfate	ug/L	14808-79-8	250000	**34600**	**187000**	**5100**	**23300**	**111000**	**8400**	**16900**	5000 U	5000 U	**10700**	**14700**	5000 U	**67200**	**91700**	**83300**	**774000**
Field Measurements																			
Temp	℃			22	17.36	19.89	20.8	16.6	17.02	16.92	16.42	19.01	18.89	17.31	21.34	19.65	17.03		19.82
Specific Conductivity	mS/cm			2.2	0.915	0.553	1.35	4.01	0.897	1.25	0.292	1.29	0.692	0.95	3.72	1.74	1.5		3.62
DO	mg/L			0.14	0	1.11	1.4	0	0	0.25	0	0	0	0.22 to 0	0	0	0		0
pH	S.U.			6.83	7.16	7.17	6.93	7	6.52	6.81	6.95	7.09	6.93	6.82	7.57	7.14	7.08		6.93
ORP	mV			-9	-88	-33	-20	-23	35	-87	-93	-95	-57	-46	-130	-79	-79		-126
Turbidity	NTU			7.2	3.9	1.8	1.78	7.1	0	0	4.1	6.2	0	17.6	1.4	4.6	0		1

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

Notes:
Analytes in blue are not detected in any sample
ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
PAH = Polycyclic Aromatic Hydrocarbon

Total BTEX and Total PAHs are calculated using detects only.
Total PAH16 is calculated using the EPA16 list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, Phenanthrene, and Pyrene

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDOH guidance it was compared to

Validation Qualifiers:
J = The result is an estimated value.
U = The result was not detected above the reporting limit.
UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.

Figures

LEGEND:

MONITORING WELL SAMPLED AS PART OF SITE MANAGEMENT PLAN

MONITORING WELL NOT INCLUDED IN LONG TERM MONITORING PLAN

N

MW-29S
MW-30S
CASCADILLA STREET
MW-23D
MW-23S
MW-31S
MW-38
MW-47S
MW-40
MW-45S
MW-48S
PARK PLACE
NORTH PLAIN STREET
MW-14S
MW-14D
MW-C15
MW-C16
MW-C17
MW-C14
MW-27
MW-C11
MW-C13
MW-C12
MW-11D
MW-25S
MW-43S
MW-11S
MW-41S
MW-12S
ESTY STREET
MW-20S
MW-20D
MW-22S
MW-22D
MW-32S
MW-42
MW-46S
MW-37
WASHINGTON STREET
OU-1
MW-24S
MW-24D
MW-33S
MW-26S
MW-34S
WALL
POOL
NORTH ALBANY STREET
MW-13S
MW-13D
WEST COURT STREET
MW-35S
MW-17S
MW-17D
MW-28S
PLAYGROUND
PAVED
MW-21S
MW-21D

0 100 200

SCALE: 1" = 100'

Groundwater Monitoring Event Report - 2022 Q3
Ithaca Court Street Former MGP Site
Ithaca, New York

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

GEI Consultants

MONITORING WELL LOCATION MAP

Project 2202159 | July 2023 | Fig. 1

EDDY, DEREK \\geiconsultants.com\Data\Data_Storage\Working\NYSEG\2202159 Ithaca Court St Groundwater Monitoring\00_CAD\Figures\GWMER 2022 Q3\1 2202159-GWMER-2022 Q3 MWLM.dwg - 11/23/2022

LEGEND:

- MONITORING WELL SAMPLED AS PART OF SITE MANAGEMENT PLAN
- MONITORING WELL NOT INCLUDED IN LONG TERM MONITORING PLAN
- 385 — GROUNDWATER CONTOUR
- 385.69 — GROUNDWATER ELEVATION (NAVD88)
- NC — NOT CALCULATED SINCE GROUND SURFACE ELEVATION UNKNOWN

N

CASCADILLA STREET

MW-29S

MW-30S

MW-23S 380.23

MW-31S 380.72

MW-47S 382.08

MW-40 381.30

MW-45S 381.41

MW-48S 382.73

MW-22S 381.85

MW-32S

MW-46S 382.33

MW-37

MW-33S 381.20

MW-26S

MW-34S

PARK PLACE

WASHINGTON STREET

ESTY STREET

WEST COURT STREET

NORTH PLAIN STREET

MW-C15

MW-C16 385.69

MW-C17

MW-C11 385.75

MW-C13

MW-C12 385.97

MW-25S 384.55

MW-43S

NC

MW-24S

OU-1

WALL

POOL

NORTH ALBANY STREET

MW-13S

NC

MW-13S

MW-28S

PLAYGROUND

PAVED

MW-17S

MW-35S

MW-21S

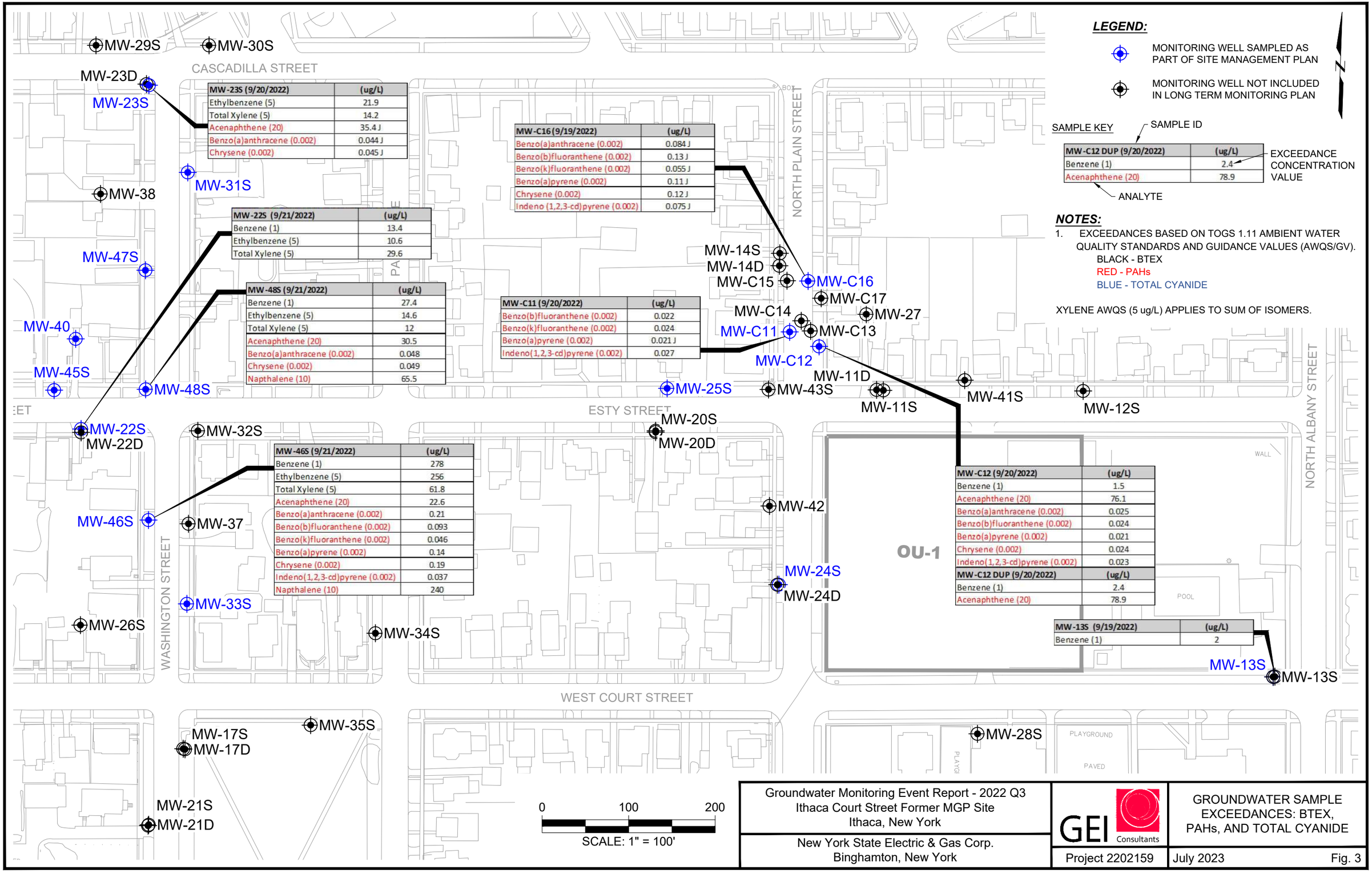
381 382 383 384 385

0 100 200

SCALE: 1" = 100'

Groundwater Monitoring Event Report - 2022 Q3 Ithaca Court Street Former MGP Site Ithaca, New York	GEI Consultants	GROUNDWATER ELEVATION CONTOUR MAP
New York State Electric & Gas Corp. Binghamton, New York	Project 2202159	July 2023 Fig. 2

TORRES, MIGUEL B:\Working\NYSEG\2202159 Ithaca Court St Groundwater Monitoring\00_CAD\Figures\GWMER 2022 Q3\2 2202159-GWMER-2022 Q3 GW-Cont.dwg - 7/25/2023



Groundwater Monitoring Event Report - 2022 Q3
Ithaca Court Street Former MGP Site
Ithaca, New York

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

GEI Consultants

GROUNDWATER SAMPLE EXCEEDANCES: BTEX, PAHs, AND TOTAL CYANIDE

Project 2202159 | July 2023 | Fig. 3

Attachment A

Field Sampling Records

Low-Flow Groundwater Sampling Form

Project number and name: 2202159 Ithaca Court St. | Sampling personnel: B. Pabst | Sample date: 9/19 & 9/20 | Well ID: MW-C11

Well location description: W. side of Plain St.

Well Construction

Well diameter: 2"
Well measurement point: TOP OF PVC
Roadbox condition: MISSING 1 Bolt + thread
Well screen interval: 10-15
Well depth: 16.95

Sampling Information (on 9/19)

Initial depth to water: 5.46 Time: 12:40
Sample intake depth: ~12'
Pump type and ID: peri pump / geopump
Stabilized flow rate: N/A
Stabilized flow rate = flow rate with no further drawdown
Pump rate = ~0.05 gal/min

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	* see COC

Field values at time of sample collection:

Time:	830		Depth to water: 6.25
Sp.Cond.	1.74	mS/cm	
DO	0.00	mg/L	
ORP	-79	mV	
pH	7.14	s.u.	
Temp.	19.65	°C	
Turb.	4.6	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	
12 1255	0.25	5.89	21.64	0.478	0.75	7.39	-8	84.1	9/19
1300	0.5	5.86	21.37	0.681	0.33	7.07	-13	49.1	
1305	0.75	5.87	21.23	1.44	0.13	7.00	-62	35.3	
1310	0.90	5.87	21.15	1.90	0.06	7.02	-80	24.4	
1315	1.20	5.88	21.09	2.14	0.01	7.06	-89	21.4	
1320	1.40	5.92	20.96	2.32	0.44	7.03	-93	20.5	
1325	1.5	5.88	21.05	2.35	0.00	7.08	-97	13.3	
1330	1.6	6.13	20.86	2.41	0.00	7.09	-100	13.1	
—	—	—	—	—	—	—	—	—	
	→ Packed up equipment due to thunderstorms								
750	0.1	6.05	19.14	0.622	2.69	7.41	70	70.7	9/20
755	0.4	6.07	19.23	0.603	1.62	7.36	17	08.6	
800	0.6	6.08	19.36	0.785	1.28	7.24	-19	41.5	
805	0.8	6.09	19.49	1.64	0.94	7.15	-43	30.2	
810	1.1	6.11	19.56	1.35	0.63	7.14	-53	19.6	
815	1.2	6.12	19.58	1.56	0.26	7.11	-65	12.9	
820	1.35	6.15	19.63	1.70	0.00	7.12	-72	7.9	
825	1.75	6.20	19.63	1.73	0.00	7.13	-77	5.0	
830	2.10	6.25	19.65	1.74	0.00	7.14	-79	4.6	

Sample Information:

Sample ID: MW-C11
Sample Time: 830
Color: faint brown - mostly clear
Turbidity: 4.6
Field Filtered YES / (NO) Analyses:
Filter type: N/A
Odor/Sheen/NAPL: Slight Sulfur-like odor
Duplicate Collected YES / (NO)
If yes, duplicate ID: MS/MSD
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 x (r)^2 x 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

Notes: Pump turned off @ 1325 on 9/19. Thunderstorm at 1335 on 9/19. Packed up equipment for the day

Dark black sediment on probe from bottom

DTW 6.23'
DTB 17.30'

Low-Flow Groundwater Sampling Form

Project number and name: 2202159 Ithaca Court St | Sampling personnel: R. Moyer | Sample date: 9/20/22 | Well ID: MW-12

Well location description: in grass next to "no parking" sign

Well Construction

Well diameter: 2"
Well measurement point: top of riser
Roadbox condition: good (1/2 present)
Well screen interval: 10-15
Well depth: 17.30

Sampling Information

Initial depth to water: 6.23 Time: 905
Sample intake depth: ~12'
Pump type and ID: Geopump Pine 050020
Stabilized flow rate: 0.055 gal/min
Stabilized flow rate = flow rate with no further drawdown

Samples Collected*

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

* see COC

Field values at time of sample collection:

Time: 930
Sp.Cond. 1.50 mS/cm
DO 0.00 mg/L
ORP -79 mV
pH 7.08 s.u.
Temp. 17.03 °C
Turb. 0.0 NTU

Depth to water: ~~7.10~~ BM 7.01

DTW @ end = 6.85

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
910 ~~900~~ 0	0	7.08	17.88	1.42	1.45	7.15	-56	0.0
5	.40	16.85	17.47	1.43	0.17	7.10	-71	0.0
10	.60	16.90	17.15	1.46	0.00	7.09	-75	0.0
15	.90	7.02	17.04	1.48	0.00	7.08	-77	0.0
20	1.10	7.01	17.03	1.50	0.00	7.08	-79	0.0

Notes: chemical odor associated w/ water

Sample Information:

Sample ID: MW-12
Sample Time: 930
Color: clear
Turbidity: low
Field Filtered YES / (NO) Analyses: N/A
Filter type: N/A
(Odor) Sheen/NAPL: chemical
Duplicate Collected (YES) NO
If yes, duplicate ID: DUP
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 x (r)^2 x 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 Ithaca Comm | Sampling personnel: R. Moyer | Sample date: 9/19/22 | Well ID: MW-C16

Well location description: east side of N. Plain

Well Construction

Well diameter: 2"
Well measurement point: top of pipe
Roadbox condition: good
Well screen interval: 09-14
Well depth: 16.08'

Sampling Information

Initial depth to water: 6.92 Time: 1025
Sample intake depth: ~12'
Pump type and ID: Geopump PINE# 050020
Stabilized flow rate: 0.06 gal/min
Stabilized flow rate = flow rate with no further drawdown

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	X
PCBs	
Other * see CoC	

Field values at time of sample collection:

Time: 1100
Sp.Cond. 3.62 mS/cm
DO 0.00 mg/L
ORP -126 mV
pH 6.93 s.u.
Temp. 19.82 °C
Turb. 1.0 NTU
Depth to water: 10.32'

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
0		8.15	19.65	2.78	0.21	7.29	-123	4.60
5	0.5	9.55	20.27	1.67	0.00	6.87	-90	0.80
10	0.8	9.53	20.31	2.04	0.00	6.80	-100	0.00
15	1.1	9.52	20.04	2.54	0.00	6.85	-113	0.0
20	1.4	9.52	19.99	2.86	0.00	6.88	-118	0.0
25	1.6	9.71	19.98	3.20	0.00	6.91	-122	3.5
30	1.9	10.12	19.87	3.44	0.00	6.91	-123	3.3
35	2.2	10.32	19.82	3.62	0.00	6.93	-126	1.0

Sample Information:

Sample ID: MWC16
Sample Time: 1100
Color: slightly yellow
Turbidity: low to moderate
Field Filtered YES (NO) Analyses: N/A
Filter type: N/A
Odor/Sheen/NAPL: ~~N/A~~ RAM chemical smell
Duplicate Collected YES (NO)
If yes, duplicate ID: N/A
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 x (r)^2 x 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

Notes: rained heavily at the end of sampling
chemical odor from well when measuring depth to bottom, black sludge on probe

Low-Flow Groundwater Sampling Form

Project number and name: 2202159 : Ithaca Court St. | Sampling personnel: B. Pabst | Sample date: 9/19 | Well ID: MW-13S

Well location description: Corner of Albany + Court St.

Well Construction

Well diameter: 2"
Well measurement point: Top of PVC
Roadbox condition: At an angle. Cap doesn't fit.
Well screen interval: 5-15 ft.
Well depth: 14.43'

Sampling Information

Initial depth to water: 7.01 | Time: 830
Sample intake depth: ~11'
Pump type and ID: Peri pump - Geopump
Stabilized flow rate: ~0.054 gal/min
Stabilized flow rate = flow rate with no further drawdown

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other * see SOW	

Field values at time of sample collection:

Time: 1100 | Depth to water: 7.01
Sp.Cond. 2.20 mS/cm
DO 0.14 mg/L
ORP -9 mV
pH 6.83 s.u.
Temp. 22.10 °C
Turb. 7.2 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
1025	0.25	7.02	22.45	2.15	0.45	7.24	-53	15.8
1030	0.5	7.02	22.28	2.16	0.29	6.84	-32	11.2
1035	0.75	7.01	22.19	2.19	0.28	6.77	-14	7.6
1040	1.0	7.01	22.11	2.19	0.25	6.76	-6	5.8
1045	1.25	7.01	22.10	2.19	0.21	6.76	-7	4.4
1050	1.5	7.01	22.08	2.20	0.17	6.78	-4	4.2
1055	1.75	7.01	22.09	2.20	0.17	6.81	-12	4.1
1100	1.90	7.01	22.10	2.20	0.14	6.83	-9	7.2

Notes: Visible brown flecks floating in sample

Sample Information:

Sample ID: MW-13S
Sample Time: 1100
Color: clear
Turbidity: 7.2
Field Filtered YES / (NO) Analyses:
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:

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 x (r)^2 x 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 Ithaca Court St | Sampling personnel: B. Pabst | Sample date: 9/21/22 | Well ID: MW-22S

Well location description: In Garden on S. side of Esty near Washington St

Well Construction

Well diameter: 2"
Well measurement point: top of PVC
Roadbox condition: Missing 3 Bolts
Well screen interval: 9'-14'
Well depth: 13.60'

Sampling Information

Initial depth to water: 4.74' Time: 830
Sample intake depth: ~~12~~ ~11.5'
Pump type and ID: Peristaltic / Geopump
Stabilized flow rate: pump rate = 0.055 gal/min
Stabilized flow rate = flow rate with no further drawdown

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	*see COC

Field values at time of sample collection:

Time:	855	
Sp.Cond.	0.915	mS/cm
DO	0.00	mg/L
ORP	-88	mV
pH	7.16	s.u.
Temp.	17.36	°C
Turb.	3.9	NTU

Depth to water: 5.23

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
835	0.1	5.00	16.92	0.957	1.12	7.80	-88	4.3
840	0.5	5.09	17.23	0.926	0.00	7.30	-89	4.4
845	0.75	5.15	17.37	0.917	0.00	7.20	-87	4.5
850	0.9	5.20	17.37	0.916	0.00	7.17	-88	4.0
855	1.2	5.23	17.36	0.915	0.00	7.16	-88	3.9

Notes:

Sample Information:

Sample ID: MW-22S
Sample Time: 855
Color: clear
Turbidity: 3.9 NTU
Field Filtered YES (NO) Analyses:
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:

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 x (r)^2 x 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 Ithaca Court Sr. | Sampling personnel: B. Pabst | Sample date: 9/20/22 | Well ID: MW-23S

Well location description: corner of Washington & Cascadilla

Well Construction

Well diameter: 2"
Well measurement point: TOP of PVC
Roadbox condition: 2 Insects Broken, Missing 2 Bolts (2/3)
Well screen interval: 4-14'
Well depth: 13.64'

Sampling Information

Initial depth to water: 6.52 Time: 1420
Sample intake depth: ~10.5'
Pump type and ID: Peristaltic / Geopump
Stabilized flow rate: 0.05 gal/min
Stabilized flow rate = flow rate with no further drawdown

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	* see COC

Field values at time of sample collection:

Time:	1455	
Sp.Cond.	0.563	mS/cm
DO	1.11	mg/L
ORP	-33	mV
pH	7.17	s.u.
Temp.	19.89	°C
Turb.	1.8	NTU

Depth to water: 6.59

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
1425	0.1	6.60	19.02	0.646	0.31	7.10	-55	2.5
1430	0.5	6.60	19.20	0.625	0.00	7.16	-61	2.2
1435	0.75	6.59	19.64	0.544	1.22	7.16	-40	3.4
1440	1.0	6.59	19.83	0.539	1.29	7.13	-25	2.6
1445	1.20	6.59	19.83	0.548	1.17	7.15	-29	2.0
1450	1.40	6.59	19.85	0.552	1.11	7.16	-32	1.7
1455	1.6	6.59	19.89	0.563	1.11	7.17	-33	1.8

Notes:

Sample Information:

Sample ID: MW-23S
Sample Time: 1455
Color: clear
Turbidity: 1.8 NTU
Field Filtered YES / (NO) Analyses: N/A
Filter type: N/A
Odor/Sheen/NAPL: NAPL odor
Duplicate Collected YES / (NO)
If yes, duplicate ID: N/A
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 x (r)^2 x 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

DTB = 13.50'

Low-Flow Groundwater Sampling Form

9/20/22

Project number and name: 2202159 Ithaca Court St. | Sampling personnel: R. Moyer | Sample date: 9/19/22 | Well ID: MW-24S

Well location description: across from park in grass

Well Construction

Well diameter: 2"
Well measurement point: top of riser
Roadbox condition: POOR
Well screen interval: 4-14'
Well depth: 13.50'

Sampling Information

Initial depth to water: 6.81' Time: ~~1255~~ 746
Sample intake depth: ~10'
Pump type and ID: Geopump
Stabilized flow rate: 0.036 gal/min
Stabilized flow rate = flow rate with no further drawdown

Samples Collected*

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	

*see COC

Field values at time of sample collection:

Time:	~~1335~~ 755	Depth to water:	8.90' @ end of sampling
Sp.Cond.	1.35	mS/cm	
DO	1.40	mg/L	
ORP	-20	mV	
pH	6.93	s.u.	
Temp.	20.80	°C	
Turb.	1.78	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
1305 0	0	7.09	21.35	1.38	1.26	7.10	-58	2.16
5	0.25	7.31	21.35	1.35	0.46	6.92	-50	6.1
10	0.50	7.50	21.42	1.34	0.18	6.85	-32	2.2
15	0.65	7.74	21.39	1.35	0.05	6.82	-16	0.0
20	0.75	7.85	21.34	1.36	0.00	6.81	-14	0.0
25	0.85	7.86	21.30	1.36	0.00	6.81	-12	0.0
9/19								
750 0	0.10	7.25	20.52	1.41	1.44	7.11	-27	2.2
9/20 5	0.25	7.55	20.80	1.35	1.40	6.93	~~-10~~	1.78

Sample Information:

Sample ID: MW24S
Sample Time: 755
Color: clear
Turbidity: low
Field Filtered YES / (NO) Analyses:
Filter type: N/A
(Odor)/Sheen/NAPL: decaying animal
Duplicate Collected YES / (NO)
If yes, duplicate ID: N/A
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 x (r)^2 x 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

Notes: smells like something dead, in well?
purged and stabilized on 9/19, thunderstorm came in and ended day early. Took 2 measurements on 9/20 and then took grab sample as well ran dry ~~next~~ last time

Low-Flow Groundwater Sampling Form

Project number and name: 2202159 Ithaca Court St. | Sampling personnel: B. Pabst | Sample date: 9/20/22 / 9/21/22 | Well ID: MW-25S

Well location description: N side of Esty St. Across from drum storage

Well Construction

Well diameter: 2"
Well measurement point: top of PVC
Roadbox condition: MISSING 1 bolt
Well screen interval: 3-10'
Well depth: 9.70'

Sampling Information

Initial depth to water: 6.63 Time: 1615
Sample intake depth: ~8.5'
Pump type and ID: peri pump / geopump
Stabilized flow rate: N/A ~~flow rate =~~ unknown
Stabilized flow rate = flow rate with no further drawdown

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	

* see COC

Field values at time of sample collection:

Time:	755	
Sp.Cond.	4.01	mS/cm
DO	2.68	mg/L
ORP	1	mV
pH	7.00	s.u.
Temp.	16.69	°C
Turb.	7.1	NTU

Depth to water: 7.89

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
1020	0.2	7.21	17.80	4.04	0.14	7.01	-43	0.5
1025	0.5	7.69	17.75	4.05	0.00	7.06	-36	7.7
1030	0.75	8.04	17.71	4.03	0.00	7.06	-34	3.5
1035	1.0	8.34	17.73	4.03	0.00	7.08	-28	1.7
1040	1.25	8.61	17.72	4.03	0.00	7.09	-23	1.7
—	—	—	—	—	—	—	—	—
		~~Pump~~ well went dry						
755	0.1	7.89 Grab sample	16.69	4.01	2.68	7.00	1	7.1

Notes: * Grab sample on 9/21/22

Sample Information:

Sample ID: MW-25S
Sample Time: 755
Color: Clear
Turbidity: 7.1 NTU
Field Filtered YES / NO Analyses: N/A
Filter type: None
Odor/Sheen/NAPL: None
Duplicate Collected YES / NO
If yes, duplicate ID: N/A
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 x (r)^2 x 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 Ithaca Ct. Street | Sampling personnel: R. Moyer | Sample date: 9/20/22 | Well ID: MW-31S

Well location description: E. side Wash St, in grass, next to red maple

Well Construction

Well diameter: 2"
Well measurement point: top of riser
Roadbox condition: good
Well screen interval: 4-12
Well depth (DTB): 11.60

Sampling Information

Initial depth to water: 7.09' Time: 13:13
Sample intake depth: 29'
Pump type and ID: Geopump 046848
Stabilized flow rate: 0.07 gal/min
Stabilized flow rate = flow rate with no further drawdown
gal/min

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	* See CoC

Field values at time of sample collection:

Time: 1425
Depth to water: 7.16
Sp.Cond. 0.897 mS/cm
DO 0.00 mg/L
ORP 35 mV
pH 6.52 s.u.
Temp. 17.02 °C
Turb. 0.0 NTU

DTW @ end = 7.13'

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
1355 0	0.10	7.50	17.30	0.892	7.80	6.85	6	19.9
5	0.70	7.16	17.07	0.892	0.08	6.60	23	0.0
10	1.00	7.13	17.09	0.896	0.00	6.58	28	0.0
15	1.35	7.18	17.05	0.897	0.00	6.55	31	0.0
20	1.50	7.14	17.03	0.897	0.00	6.54	33	0.0
25	1.80	7.11	16.99	0.897	0.00	6.53	34	0.0
30	2.00	7.16	17.02	0.897	0.00	6.52	35	0.0

Notes:

Sample Information:

Sample ID: MW-31S
Sample Time: 1425
Color: clear
Turbidity: low
Field Filtered YES / (NO) Analyses: N/A
Filter type: N/A
(Odor) Sheen/NAPL: slight odor
Duplicate Collected YES / (NO)
If yes, duplicate ID: N/A
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 x (r)^2 x 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 Ithaca Ct. St. | Sampling personnel: R. Moyer | Sample date: 9/21/22 | Well ID: MW-33S

Well location description: E. side Wash, near first driveway from corner

Well Construction

Well diameter	2"
Well measurement point	top of riser
Roadbox condition	good 3/3
Well screen interval	2.5-10
Well depth	9.5

Sampling Information

Initial depth to water	6.23 Time: 855
Sample intake depth	~8'
Pump type and ID	Geopump
Stabilized flow rate	pump rate= 0.6583 gal/min

Stabilized flow rate = flow rate with no further drawdown

Samples Collected *

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	

* see CoC

Field values at time of sample collection:

Time:	0930	
Sp.Cond.	1.25	mS/cm
DO	0.25	mg/L
ORP	-87	mV
pH	6.81	s.u.
Temp.	16.92	°C
Turb.	0.00	NTU

Depth to water: 7.95 depth @ end = 8.70'

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
900 0	0.05	6.50	16.87	1.25	2.68	6.81	7	4.0
5	0.80	6.95	16.91	1.26	1.19	6.76	-53	3.8
10	0.80	7.30	16.80	1.26	0.72	6.80	-74	8.0
15	1.0	7.55	16.88	1.26	0.47	6.81	-82	0.0
20	1.40	7.73	16.92	1.24	0.27	6.81	-85	0.0
25	1.50	7.85	16.92	1.25	0.25	6.81	-87	0.0
930	1.80	7.95						

Notes:

Sample Information:

Sample ID: ~~MW-33S~~ MW-33S

Sample Time: 930

Color: slightly yellow

Turbidity: low

Field Filtered YES / (NO) Analyses: N/A

Filter type: N/A

(Odor)/Sheen/NAPL: slightly chemical

Duplicate Collected YES (NO)

If yes, duplicate ID: N/A

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 x (r)^2 x 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: 220215.1 Ithaca Cart St. | Sampling personnel: B. Pabst | Sample date: 9/20/22 | Well ID: MW-40

Well location description: In Driveway at 406 Esty St.

Well Construction

Well diameter: 2"
Well measurement point: top of PVC
Roadbox condition: Good - recently replaced
Well screen interval: 3-9
Well depth: 8 11

Sampling Information

Initial depth to water: 5.44' Time: 12:15
Sample intake depth: ~~8'~~ ~7.5
Pump type and ID: peri pump / geopump
Stabilized flow rate: N/A, pump rate = 0.05 gal/min
Stabilized flow rate = flow rate with no further drawdown
0.05 gal/min

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	

*see COC

Field values at time of sample collection:

Time:	1300	
Sp.Cond.	0.292	mS/cm
DO	0.00	mg/L
ORP	-93	mV
pH	6.95	s.u.
Temp.	16.42	°C
Turb.	4.1	NTU

Depth to water: 7.02

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
1220	0.2	5.90	16.57	0.318	1.10	7.29	-107	30.5
1225	0.4	5.98	16.61	0.200	1.69	7.13	-46	15.4
1230	0.6	6.14	16.55	0.295	2.24	6.97	-10	5.3
1235	0.9	6.30	16.51	0.255	1.45	6.92	-15	3.2
1240	1.1	6.40	16.54	0.257	0.88	6.91	-23	4.1
1245	1.45	6.55	16.48	0.263	0.33	6.90	-38	3.5
1250	1.7	6.75	16.44	0.272	0.00	6.91	-57	4.0
1255	2.0	6.95	16.40	0.286	0.00	6.92	-82	3.5
1300	2.2	7.02	16.42	0.292	0.00	6.95	-93	4.1

Notes:

Sample Information:

Sample ID: MW-40
Sample Time: 1300
Color: faint yellow
Turbidity: 4.1
Field Filtered YES / (NO) Analyses:
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:

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 x (r)^2 x 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 Ithaca Court St. | Sampling personnel: B. Pabst | Sample date: 9/20/22 | Well ID: MW-45S

Well location description: In front of 406 Esty St.

Well Construction

Well diameter: 2"
Well measurement point: top of PVC
Roadbox condition: Missing, 1 bolt
Well screen interval: 4-14'
Well depth: 14.82

Sampling Information

Initial depth to water: 5.09 Time: 1120
Sample intake depth: ~10'
Pump type and ID: Peristaltic pump / Geopump
Stabilized flow rate: N/A
Stabilized flow rate = flow rate with no further drawdown
Pump rate ~0.635gal/min

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	* See COC

Field values at time of sample collection:

Time: 1145
Depth to water: 7.80
Sp.Cond. 1.29 mS/cm
DO 0.00 mg/L
ORP -95 mV
pH 7.09 s.u.
Temp. 19.01 °C
Turb. 6.2 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
1125	0.1	5.75	18.79	1.34	0.62	7.57	-95	8.3
1130	0.4	6.17	18.76	1.34	0.14	7.26	-97	9.7
1135	0.5	6.79	18.93	1.30	0.62	7.17	-99	7.0
1640	0.65	7.32	19.16	1.28	0.00	7.13	-97	6.0
1145	0.8	7.80	19.01	1.29	0.00	7.09	-95	6.2

Sample Information:

Sample ID: MW-45S
Sample Time: 1145
Color: Slight yellow tint.
Turbidity: 6.2
Field Filtered YES / (NO) Analyses:
Filter type: N/A
Odor/Sheen/NAPL: Brown flecks in sample
Duplicate Collected (YES) NO
If yes, duplicate ID: N/A
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 x (r)^2 x 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

Notes:

Low-Flow Groundwater Sampling Form

Project number and name: 2202159 Ithaca Ct St | Sampling personnel: R. Moyer | Sample date: 9/21/22 | Well ID: MW-465

Well location description: W. side of Wash. St. in grass by #216

Well Construction

Well diameter: 2"
Well measurement point: top of riser
Roadbox condition: good, 2/2
Well screen interval: 8'-18'
Well depth: 16.85'

Sampling Information

Initial depth to water: 4.67' Time: 1018 ~~1020~~
Sample intake depth: ~14'
Pump type and ID: Geopump
Stabilized flow rate: pump rate ~0.047 gal/min
Stabilized flow rate = flow rate with no further drawdown

Samples Collected*

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	

* See CoC

Field values at time of sample collection:

Time:	1050	
Sp.Cond.	0.692	mS/cm
DO	0.00	mg/L
ORP	-57	mV
pH	6.93	s.u.
Temp.	18.89	°C
Turb.	0.0	NTU

Depth to water: 4.80 @ end 4.85

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
1020 0	0.10	4.72	19.13	0.795	1.71	7.07	-54	0.9
5	0.30	4.70	19.05	0.775	0.29	6.99	-66	0.00
10	0.50	4.70	19.12	0.712	0.00	6.98	-70	0.0
15	0.70	4.73	19.22	0.671	0.00	6.98	-66	0.0
20	1.00	4.73	18.86	0.665	0.00	6.97	-58	0.0
25	1.20	4.79	18.87	0.691	0.00	6.95	-57	0.0
30	1.50	4.80	18.89	0.692	0.00	6.93	-57	0.0

Sample Information:

Sample ID: MW-465
Sample Time: 1050
Color: slightly yellow
Turbidity: low
Field Filtered YES (NO) Analyses: N/A
Filter type: N/A
(Odor/Sheen/NAPL): sheen, NAPL odor NAPL encountered
Duplicate Collected YES (NO)
If yes, duplicate ID: N/A
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 x (r)^2 x 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

Notes: debris visible in tubing flushed before beginning measurements, more visible throughout and in some bottles
NAPL discoloration on meter at 12.5'. Blebs of NAPL on last 5' to the bottom ~0.1' of NAPL on probe.

Low-Flow Groundwater Sampling Form

Project number and name: 220154 Ithaca Court St | Sampling personnel: R. Mayer | Sample date: 9/20/22, 9/21/22 | Well ID: MW-475

Well location description: grass on W side of Washington House 308

Well Construction

Well diameter: 2"
Well measurement point: top of riser
Roadbox condition: good, 1/2 bolts
Well screen interval: 5-15
Well depth: 14.93'

Sampling Information

Initial depth to water: 4.71' Time: 1145
Sample intake depth: ~12'
Pump type and ID: Geopump
Stabilized flow rate: 0.06 gal/min
Stabilized flow rate = flow rate with no further drawdown

Samples Collected*

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	

* see CoC

Field values at time of sample collection:

Time:	800		Depth to water:
Sp.Cond.	0.950	mS/cm	6.70
DO	0.22	mg/L	@ end of sampling
ORP	-46	mV	
pH	6.82	s.u.	10.87'
Temp.	17.31	°C	
Turb.	17.6	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
7/20								
0	0.1	5.69	17.27	0.877	0.13	7.40	-135	0.0
5	0.5	6.50	17.70	0.811	0.00	7.21	-143	0.0
10	0.8	7.70	18.14	0.909	0.00	7.06	-135	0.0
15	1.0	8.55	18.13	0.925	0.00	6.97	-125	0.0
20	1.3	9.60	17.97	0.937	0.00	6.96	-124	0.0
25	1.5	10.40	17.85	0.948	0.00	6.99	-127	0.5
30	1.7	11.05	18.09	0.890	~~0.09~~	7.03	-130	1.8
35	1.9	11.20	17.72	0.908	2.93	7.06	-118	47.0
7/21								
0	0	5.80	16.30	0.946	4.21	6.85	65	18.7
5	.2	6.03	16.74	0.949	0.93	6.83	-29	20.5
8	.4	6.70	17.31	0.950	0.22	6.82	-46	17.6

Notes: went dry at 35 minutes on 9/20; sampled on 9/21

Sample Information:

Sample ID: MW-475
Sample Time: 800
Color: slightly cloudy
Turbidity: low, but suspended particles visible
Field Filtered YES / (NO) Analyses:
Filter type: N/A
(Odor)/(Sheen)/NAPL: odor + sheen
Duplicate Collected YES / (NO)
If yes, duplicate ID: N/A
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 x (r)^2 x 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: 220259 Ithaca Coke St. | Sampling personnel: B. Pabst | Sample date: 9/21/22 | Well ID: MW-48S

Well location description: CORNER of WASHINGTON + ESTY

Well Construction

Well diameter: 2"
Well measurement point: top of PVC
Roadbox condition: Good
Well screen interval: 4'-14'
Well depth: 13.46'

Sampling Information

Initial depth to water: 3.94' Time: 1005
Sample intake depth: ~10'
Pump type and ID: Peristaltic / Geopump
Stabilized flow rate: pump rate = 0.049 gal/min
Stabilized flow rate = flow rate with no further drawdown

Samples Collected

VOCs 8260	
SVOCs 8270	
VPH	
EPH	
Metals	
PCBs	
Other	

* See COC.

Field values at time of sample collection:

Time:	1055		Depth to water: 4.33
Sp.Cond.	3.72	mS/cm	
DO	0.00	mg/L	
ORP	-130	mV	
pH	7.57	s.u.	
Temp.	21.34	°C	
Turb.	1.4	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
1010	0.1	4.29	20.55	3.64	1.22	7.32	-101	6.3
1015	0.4	4.20	20.89	3.69	0.03	7.41	-117	6.8
1020	0.55	4.00	21.16	3.70	0.00	7.46	-118	4.7
1025	0.75	4.20	21.13	3.72	0.00	7.49	-121	4.0
1030	0.90	4.19	21.32	3.72	0.00	7.51	-124	2.5
1035	1.10	4.12	21.09	3.73	0.00	7.53	-126	2.3
1040	1.20	4.29	21.14	3.71	0.00	7.54	-126	2.6
1045	1.65	4.34	21.21	3.71	0.00	7.516	-128	1.6
1050	2.0	4.34	21.28	3.71	0.00	7.57	-130	1.1
1055	2.3	4.33	21.34	3.72	0.00	7.57	-130	1.4

Notes:

Sample Information:

Sample ID: MW-48S
Sample Time: 1055
Color: CLEAR
Turbidity: 1.4
Field Filtered YES / (NO) Analyses:
Filter type: N/A
Odor/Sheen/NAPL: NAPL odor
Duplicate Collected YES / (NO)
If yes, duplicate ID: N/A
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 x (r)^2 x 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

Attachment B

Data Usability Summary Report

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C16 **Lab ID: 70230003001** Collected: 09/19/22 11:00 Received: 09/20/22 10:30 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	**267** J	ug/L	215	215	09/28/22 13:02	09/29/22 12:12	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**11600**	ug/L	100	1	09/28/22 07:08	09/28/22 21:30	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**16.4** J	ug/L	0.10	5	09/23/22 12:32	09/28/22 17:20	83-32-9	
Acenaphthylene	**0.26**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	208-96-8	
Anthracene	**0.15**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	120-12-7	
Benzo(a)anthracene	**0.084**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	56-55-3	
Benzo(a)pyrene	**0.11**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	50-32-8	
Benzo(b)fluoranthene	**0.13**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	205-99-2	
Benzo(g,h,i)perylene	**0.11**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	191-24-2	
Benzo(k)fluoranthene	**0.055**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	207-08-9	
Chrysene	**0.12**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	218-01-9	
Dibenz(a,h)anthracene	**0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	53-70-3	
Fluoranthene	**0.39**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	206-44-0	
Fluorene	**1.9**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.075**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	193-39-5	
Naphthalene	**0.11**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	91-20-3	
Phenanthrene	**0.80**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	85-01-8	
Pyrene	**0.60** J	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	61	%	40-112	1	09/23/22 12:32	09/27/22 20:14	93951-69-0	
2-Methylnaphthalene-d10 (S)	38	%	44-146	1	09/23/22 12:32	09/27/22 20:14	7297-45-2	S0, S8
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/22/22 01:46	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/22/22 01:46	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/22/22 01:46	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/22/22 01:46	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	81-122	1		09/22/22 01:46	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-118	1		09/22/22 01:46	460-00-4	
Toluene-d8 (S)	92	%	82-122	1		09/22/22 01:46	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**668**	mg/L	1.0	1		09/22/22 12:11		

REPORT OF LABORATORY ANALYSIS

dam 3/30/23

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ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C16 **Lab ID: 70230003001** Collected: 09/19/22 11:00 Received: 09/20/22 10:30 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	**774**	mg/L	100	20		10/01/22 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		09/20/22 22:23	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/20/22 22:23	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		09/20/22 21:03	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.73**	mg/L	0.10	1		09/22/22 13:16	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	09/22/22 14:55	09/22/22 19:28	57-12-5	

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-13S **Lab ID: 70230003002** Collected: 09/19/22 11:00 Received: 09/20/22 10:30 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	**381** J	ug/L	215	215	09/28/22 13:02	09/29/22 12:25	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**380**	ug/L	100	1	09/28/22 07:08	09/28/22 21:33	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	09/23/22 12:32	09/27/22 20:44	83-32-9	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	208-96-8	
Anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	53-70-3	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	206-44-0	
Fluorene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	193-39-5	
Naphthalene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	91-20-3	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	85-01-8	
Pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	67	%	40-112	1	09/23/22 12:32	09/27/22 20:44	93951-69-0	
2-Methylnaphthalene-d10 (S)	44	%	44-146	1	09/23/22 12:32	09/27/22 20:44	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**2.0**	ug/L	1.0	1		09/22/22 02:05	71-43-2	
Ethylbenzene	**1.8**	ug/L	1.0	1		09/22/22 02:05	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/22/22 02:05	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/22/22 02:05	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	81-122	1		09/22/22 02:05	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-118	1		09/22/22 02:05	460-00-4	
Toluene-d8 (S)	92	%	82-122	1		09/22/22 02:05	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**353**	mg/L	1.0	1		09/22/22 12:28		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-13S **Lab ID: 70230003002** Collected: 09/19/22 11:00 Received: 09/20/22 10:30 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	**34.6**	mg/L	5.0	1		10/01/22 17:11	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	~~0.28~~ 0.29 dnm 4/4/23	mg/L	0.050	1		09/20/22 22:28	14797-55-8	
Nitrate-Nitrite (as N)	**0.29**	mg/L	0.050	1		09/20/22 22:28	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		09/20/22 21:04	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.22**	mg/L	0.10	1		09/22/22 13:17	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	09/22/22 14:55	09/22/22 19:29	57-12-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-24S **Lab ID: 70230003003** Collected: 09/20/22 07:55 Received: 09/21/22 10:00 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	**434** J	ug/L	86.0	86	09/28/22 13:02	09/29/22 12:37	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**1060**	ug/L	100	1	09/28/22 07:08	09/28/22 21:48	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	09/26/22 12:38	09/26/22 22:38	83-32-9	
Acenaphthylene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	208-96-8	
Anthracene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	120-12-7	
Benzo(a)anthracene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	56-55-3	
Benzo(a)pyrene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	50-32-8	
Benzo(b)fluoranthene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	205-99-2	
Benzo(g,h,i)perylene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	191-24-2	
Benzo(k)fluoranthene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	207-08-9	
Chrysene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	218-01-9	
Dibenz(a,h)anthracene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	53-70-3	
Fluoranthene	**0.020**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	206-44-0	
Fluorene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	193-39-5	
Naphthalene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	91-20-3	
Phenanthrene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	85-01-8	
Pyrene	**0.021**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	79	%	40-112	1	09/26/22 12:38	09/26/22 22:38	93951-69-0	
2-Methylnaphthalene-d10 (S)	49	%	44-146	1	09/26/22 12:38	09/26/22 22:38	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 09:54	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 09:54	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 09:54	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 09:54	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	81-122	1		09/28/22 09:54	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-118	1		09/28/22 09:54	460-00-4	
Toluene-d8 (S)	96	%	82-122	1		09/28/22 09:54	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**371**	mg/L	1.0	1		09/26/22 12:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-24S **Lab ID: 70230003003** Collected: 09/20/22 07:55 Received: 09/21/22 10:00 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	**23.3**	mg/L	5.0	1		09/28/22 21:51	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**~~0.099~~ 0.10**	mg/L dmm 4/3/23	0.050	1		09/22/22 07:42	14797-55-8	
Nitrate-Nitrite (as N)	**0.10**	mg/L	0.050	1		09/22/22 07:42	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		09/22/22 04:07	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.28**	mg/L	0.10	1		09/26/22 13:43	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	10/03/22 18:10	10/03/22 19:54	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C11 **Lab ID: 70230003004** Collected: 09/20/22 08:30 Received: 09/21/22 10:00 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	**264** J	ug/L	86.0	86	09/28/22 13:02	09/29/22 12:56	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**2040**	ug/L	100	1	09/28/22 07:08	09/28/22 21:51	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**0.59**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	83-32-9	
Acenaphthylene	**0.10** J	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	208-96-8	R1
Anthracene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	120-12-7	R1
Benzo(a)anthracene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	56-55-3	R1
Benzo(a)pyrene	**0.021** J	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	50-32-8	R1
Benzo(b)fluoranthene	**0.022**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	205-99-2	
Benzo(g,h,i)perylene	**0.028**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	191-24-2	
Benzo(k)fluoranthene	**0.024**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	207-08-9	
Chrysene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	218-01-9	
Dibenz(a,h)anthracene	**0.023**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	53-70-3	
Fluoranthene	**0.027** J	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	206-44-0	R1
Fluorene	**0.021** J	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	86-73-7	R1
Indeno(1,2,3-cd)pyrene	**0.027**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	193-39-5	
Naphthalene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	91-20-3	R1
Phenanthrene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	85-01-8	R1
Pyrene	**0.045**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	72	%	40-112	1	09/23/22 12:32	09/27/22 23:16	93951-69-0	
2-Methylnaphthalene-d10 (S)	57	%	44-146	1	09/23/22 12:32	09/27/22 23:16	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 10:47	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 10:47	100-41-4	
Toluene	**<1.0** UJ	ug/L	1.0	1		09/28/22 10:47	108-88-3	M1
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 10:47	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	81-122	1		09/28/22 10:47	17060-07-0	
4-Bromofluorobenzene (S)	106	%	79-118	1		09/28/22 10:47	460-00-4	
Toluene-d8 (S)	90	%	82-122	1		09/28/22 10:47	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**330**	mg/L	1.0	1		09/26/22 12:47		M1

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C11 **Lab ID: 70230003004** Collected: 09/20/22 08:30 Received: 09/21/22 10:00 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	**67.2**	mg/L	5.0	1		09/28/22 22:05	14808-79-8	M1
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		09/22/22 07:00	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:00	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		09/22/22 04:20	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.43**	mg/L	0.10	1		09/26/22 13:44	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**10.2**	ug/L	10.0	1	10/03/22 18:10	10/03/22 19:54	57-12-5	

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(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C12 **Lab ID: 70230003005** Collected: 09/20/22 09:30 Received: 09/21/22 10:00 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	**680**	ug/L	86.0	86	09/28/22 13:02	09/29/22 13:16	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**1470**	ug/L	100	1	09/28/22 07:08	09/28/22 22:05	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**76.1**	ug/L	0.42	20	09/23/22 12:32	09/28/22 17:50	83-32-9	
Acenaphthylene	**0.70**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	208-96-8	
Anthracene	**0.060**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	120-12-7	
Benzo(a)anthracene	**0.025**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	56-55-3	
Benzo(a)pyrene	**0.021**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	50-32-8	
Benzo(b)fluoranthene	**0.024**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	205-99-2	
Benzo(g,h,i)perylene	**0.025**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	191-24-2	
Benzo(k)fluoranthene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	207-08-9	
Chrysene	**0.024**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	218-01-9	
Dibenz(a,h)anthracene	**0.021**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	53-70-3	
Fluoranthene	**0.037**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	206-44-0	
Fluorene	**9.4**	ug/L	0.42	20	09/23/22 12:32	09/28/22 17:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.023**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	193-39-5	
Naphthalene	**0.048**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	91-20-3	
Phenanthrene	**0.30**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	85-01-8	
Pyrene	**0.042**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	73	%	40-112	1	09/23/22 12:32	09/28/22 18:51	93951-69-0	
2-Methylnaphthalene-d10 (S)	54	%	44-146	1	09/23/22 12:32	09/28/22 18:51	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**1.5**	ug/L	1.0	1		09/28/22 11:06	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 11:06	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 11:06	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 11:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%	81-122	1		09/28/22 11:06	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-118	1		09/28/22 11:06	460-00-4	
Toluene-d8 (S)	94	%	82-122	1		09/28/22 11:06	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**564**	mg/L	1.0	1		09/26/22 13:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C12 **Lab ID: 70230003005** Collected: 09/20/22 09:30 Received: 09/21/22 10:00 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	**91.7**	mg/L	5.0	1		09/28/22 22:46	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		09/22/22 07:13	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:13	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		09/22/22 04:08	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.6**	mg/L	0.10	1		09/26/22 13:48	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	10/03/22 18:10	10/03/22 19:57	57-12-5	

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(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: DUP **Lab ID: 70230003006** Collected: 09/20/22 09:30 Received: 09/21/22 10:00 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	**852**	ug/L	86.0	86	09/28/22 13:02	09/29/22 13:35	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**1520**	ug/L	100	1	09/28/22 07:08	09/28/22 22:08	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**78.9**	ug/L	0.41	20	09/23/22 12:32	09/28/22 18:20	83-32-9	
Acenaphthylene	**0.75**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	208-96-8	
Anthracene	**0.052**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	53-70-3	
Fluoranthene	**0.021**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	206-44-0	
Fluorene	**9.8**	ug/L	0.41	20	09/23/22 12:32	09/28/22 18:20	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	193-39-5	
Naphthalene	**0.051**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	91-20-3	
Phenanthrene	**0.35**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	85-01-8	
Pyrene	**0.024**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	71	%	40-112	1	09/23/22 12:32	09/28/22 19:21	93951-69-0	
2-Methylnaphthalene-d10 (S)	55	%	44-146	1	09/23/22 12:32	09/28/22 19:21	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**2.4**	ug/L	1.0	1		09/28/22 11:25	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 11:25	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 11:25	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 11:25	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	81-122	1		09/28/22 11:25	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-118	1		09/28/22 11:25	460-00-4	
Toluene-d8 (S)	94	%	82-122	1		09/28/22 11:25	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**529**	mg/L	1.0	1		09/26/22 14:19		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: DUP **Lab ID: 70230003006** Collected: 09/20/22 09:30 Received: 09/21/22 10:00 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	**83.3**	mg/L	5.0	1		09/28/22 22:59	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		09/22/22 07:14	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:14	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		09/22/22 04:10	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.2**	mg/L	0.10	1		09/26/22 13:52	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**11.8**	ug/L	10.0	1	10/03/22 18:10	10/03/22 19:58	57-12-5	

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ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-45S **Lab ID: 70230003007** Collected: 09/20/22 11:45 Received: 09/21/22 10:00 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	**1630**	ug/L	86.0	86	09/28/22 13:02	09/29/22 13:45	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**17300**	ug/L	100	1	09/28/22 07:08	09/28/22 22:17	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	09/26/22 12:38	09/26/22 23:09	83-32-9	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	208-96-8	
Anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	53-70-3	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	206-44-0	
Fluorene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	193-39-5	
Naphthalene	**0.040**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	91-20-3	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	85-01-8	
Pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	68	%	40-112	1	09/26/22 12:38	09/26/22 23:09	93951-69-0	
2-Methylnaphthalene-d10 (S)	44	%	44-146	1	09/26/22 12:38	09/26/22 23:09	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 11:44	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 11:44	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 11:44	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 11:44	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	81-122	1		09/28/22 11:44	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-118	1		09/28/22 11:44	460-00-4	
Toluene-d8 (S)	93	%	82-122	1		09/28/22 11:44	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**390**	mg/L	1.0	1		09/26/22 14:37		

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(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-45S **Lab ID: 70230003007** Collected: 09/20/22 11:45 Received: 09/21/22 10:00 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		09/28/22 23:54	14808-79-8	B
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		09/22/22 07:49	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:49	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		09/22/22 04:11	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.7**	mg/L	0.10	1		09/26/22 13:55	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	10/03/22 18:10	10/03/22 19:59	57-12-5	

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(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-40 **Lab ID: 70230003008** Collected: 09/20/22 13:00 Received: 09/21/22 10:00 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	**1090**	ug/L	86.0	86	09/28/22 13:02	09/29/22 13:54	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**12800**	ug/L	100	1	09/28/22 07:08	09/28/22 22:20	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	09/26/22 12:38	09/26/22 23:39	83-32-9	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	208-96-8	
Anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	53-70-3	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	206-44-0	
Fluorene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	193-39-5	
Naphthalene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	91-20-3	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	85-01-8	
Pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	80	%	40-112	1	09/26/22 12:38	09/26/22 23:39	93951-69-0	
2-Methylnaphthalene-d10 (S)	49	%	44-146	1	09/26/22 12:38	09/26/22 23:39	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 12:03	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 12:03	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 12:03	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 12:03	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	81-122	1		09/28/22 12:03	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-118	1		09/28/22 12:03	460-00-4	
Toluene-d8 (S)	95	%	82-122	1		09/28/22 12:03	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**183**	mg/L	1.0	1		09/26/22 14:49		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-40 **Lab ID: 70230003008** Collected: 09/20/22 13:00 Received: 09/21/22 10:00 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		09/29/22 00:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.39**	mg/L	0.050	1		09/22/22 07:55	14797-55-8	
Nitrate-Nitrite (as N)	**0.39**	mg/L	0.050	1		09/22/22 07:55	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		09/22/22 04:12	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**4.4**	mg/L	0.10	1		09/26/22 13:56	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	10/03/22 18:10	10/03/22 19:59	57-12-5	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-31S **Lab ID: 70230003009** Collected: 09/20/22 14:25 Received: 09/21/22 10:00 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	**930**	ug/L	86.0	86	09/28/22 13:02	09/29/22 14:04	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**583**	ug/L	100	1	09/28/22 07:08	09/28/22 22:23	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**<0.020** UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	83-32-9	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	208-96-8	
Anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	53-70-3	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	206-44-0	
Fluorene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020** UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	193-39-5	
Naphthalene	**0.041** J	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	91-20-3	
Phenanthrene	**<0.020** UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	85-01-8	
Pyrene	**<0.020** UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	70	%	40-112	1	09/26/22 12:38	09/27/22 00:09	93951-69-0	
2-Methylnaphthalene-d10 (S)	41	%	44-146	1	09/26/22 12:38	09/27/22 00:09	7297-45-2	S0
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 12:21	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 12:21	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 12:21	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 12:21	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	81-122	1		09/28/22 12:21	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		09/28/22 12:21	460-00-4	
Toluene-d8 (S)	95	%	82-122	1		09/28/22 12:21	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**314**	mg/L	1.0	1		09/26/22 15:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-31S **Lab ID: 70230003009** Collected: 09/20/22 14:25 Received: 09/21/22 10:00 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	**8.4**	mg/L	5.0	1		09/29/22 00:21	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		09/22/22 07:56	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:56	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		09/22/22 04:13	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.14**	mg/L	0.10	1		09/26/22 13:58	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	10/03/22 18:10	10/03/22 20:00	57-12-5	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-23S **Lab ID: 70230003010** Collected: 09/20/22 14:55 Received: 09/21/22 10:00 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	**2280**	ug/L	215	215	09/28/22 13:02	09/30/22 12:09	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**664**	ug/L	100	1	10/04/22 10:39	10/04/22 23:03	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
~~Acenaphthene~~	~~23.9~~ J	ug/L	0.20	10	09/26/22 12:38	09/27/22 17:40	83-32-9	
Acenaphthene	**35.4** J	ug/L	0.20	10	09/29/22 10:58	10/04/22 17:15	83-32-9	H2
~~Acenaphthylene~~	~~0.36~~ J	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	208-96-8	
Acenaphthylene	**0.54** J	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	208-96-8	H2
~~Anthracene~~	~~1.6~~ J	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	120-12-7	
Anthracene	**2.0** J	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	120-12-7	H2
~~Benzo(a)anthracene~~	~~0.044~~ J	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	56-55-3	
Benzo(a)anthracene	**0.044** J	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	56-55-3	H2
~~Benzo(a)pyrene~~	~~<0.020~~ UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	50-32-8	
Benzo(a)pyrene	**<0.020** UJ	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	50-32-8	H2
~~Benzo(b)fluoranthene~~	~~<0.020~~ UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	205-99-2	
Benzo(b)fluoranthene	**<0.020** UJ	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	205-99-2	H2
~~Benzo(g,h,i)perylene~~	~~<0.020~~ UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	191-24-2	
Benzo(g,h,i)perylene	**<0.020** UJ	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	191-24-2	H2
~~Benzo(k)fluoranthene~~	~~<0.020~~ UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	207-08-9	
Benzo(k)fluoranthene	**<0.020** UJ	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	207-08-9	H2
~~Chrysene~~	~~0.048~~ J	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	218-01-9	
Chrysene	**0.045** J	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	218-01-9	H2
~~Dibenz(a,h)anthracene~~	~~<0.020~~ UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	53-70-3	
Dibenz(a,h)anthracene	**<0.020** UJ	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	53-70-3	H2
~~Fluoranthene~~	~~0.75~~ J	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	206-44-0	
Fluoranthene	**0.84** J	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	206-44-0	H2
~~Fluorene~~	~~6.2~~ J	ug/L	0.20	10	09/26/22 12:38	09/27/22 17:40	86-73-7	
Fluorene	**9.0** J	ug/L	0.20	10	09/29/22 10:58	10/04/22 17:15	86-73-7	H2
~~Indeno(1,2,3-cd)pyrene~~	~~<0.020~~ UJ	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020** UJ	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	193-39-5	H2
~~Naphthalene~~	~~42.4~~ J	ug/L	0.20	10	09/26/22 12:38	09/27/22 17:40	91-20-3	
Naphthalene	**35.0** J	ug/L	0.20	10	09/29/22 10:58	10/04/22 17:15	91-20-3	H2
~~Phenanthrene~~	~~7.4~~ J	ug/L	0.20	10	09/26/22 12:38	09/27/22 17:40	85-01-8	
Phenanthrene	**8.5** J	ug/L	0.20	10	09/29/22 10:58	10/04/22 17:15	85-01-8	H2
~~Pyrene~~	~~1.2~~ J	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	129-00-0	
Pyrene	**1.3** J	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	72	%	40-112	1	09/29/22 10:58	10/03/22 21:52	93951-69-0	
Fluoranthene-d10 (S)	68	%	40-112	1	09/26/22 12:38	09/27/22 00:40	93951-69-0	
2-Methylnaphthalene-d10 (S)	36	%	44-146	1	09/26/22 12:38	09/27/22 00:40	7297-45-2	S0
2-Methylnaphthalene-d10 (S)	57	%	44-146	1	09/29/22 10:58	10/03/22 21:52	7297-45-2	

report re-extraction and analysis

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-23S **Lab ID: 70230003010** Collected: 09/20/22 14:55 Received: 09/21/22 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 12:40	71-43-2	
Ethylbenzene	**21.9**	ug/L	1.0	1		09/28/22 12:40	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 12:40	108-88-3	
Xylene (Total)	**14.2**	ug/L	3.0	1		09/28/22 12:40	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	118	%	81-122	1		09/28/22 12:40	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-118	1		09/28/22 12:40	460-00-4	
Toluene-d8 (S)	94	%	82-122	1		09/28/22 12:40	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**207**	mg/L	1.0	1		09/26/22 15:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**5.1**	mg/L	5.0	1		09/29/22 00:34	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.26**	mg/L	0.050	1		09/22/22 07:57	14797-55-8	
Nitrate-Nitrite (as N)	**0.26**	mg/L	0.050	1		09/22/22 07:57	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		09/22/22 04:17	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.56**	mg/L	0.10	1		09/26/22 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	10/03/22 18:10	10/03/22 20:01	57-12-5	

REPORT OF LABORATORY ANALYSIS

WO# : 70230003

70230003

Pace

CHAIN-OF-CUSTO

The Chain-of-Custody is a LE

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace T

aly.
rd-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GEI Consultants	Report To: Breana Pabst	Attention:
Address: 1301 Trumansburg Rd	Copy To:	Company Name:
Suite N, Ithaca, NY 14850		Address:
Email: bpabst@geiconsultants.com	Purchase Order #:	Pace Quote:
Phone: 607-216-8955 Fax:	Project Name: NYSEG- ITHACA COURT STREET PROJECT	Pace Project Manager: latoya.sobralie@pacelabs.com
Requested Due Date:	Project #: 1202159	Pace Profile #: 5916

Regulatory Agency

State / Location: NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample IDs must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): BTEX 8260	8270 SIM PAH list	Cyanide	Sulfate, Alkalinity, Nitrite	Nitrate, Ammonia	RSK Methane	Total Iron by 6010	Ferrous Iron	Residual Chlorine (Y/N)
1	MW-24S -03	WT	G	9/20	755	9/20	755		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
2	MW-C11 -04	WT	G	9/20	830	9/20	830		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
3	MW-C11_MS	WT	G	9/20	830	9/20	830		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
4	MW-C11_MSD	WT	G	9/20	830	9/20	830		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
5	MW-C12 -05	WT	G	9/20	930	9/20	930		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
6	DUP -06	WT	G	9/20	[illegible]	9/20	930		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
7	MW-45S -07	WT	G	9/20	1145	9/20	1145		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
8	MW-40 -08	WT	G	9/20	1300	9/20	1300		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
9	MW-31S -09	WT	G	9/20	1425	9/20	1425		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
10	MW-23S -10	WT	G	9/2	1455	9/20	1455		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
11																			X	X	X	X	X	X	X	X	
12																			X	X	X	X	X	X	X	X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Ferrous iron rubbed	Breana Pabst / GEI	9/20/22	1600	[signature]	9/20	16:00	
out to Pace NE	[signature]	9/20	18:30	[signature]	9/21/22	10:00	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Breana Pabst

SIGNATURE of SAMPLER: [signature] DATE Signed: 9/20/22

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

64 of 2146

Page 64 of 67

Pace

CHAIN-OF-CUSTODY / A

The Chain-of-Custody is a LEGAL DO

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and

WO#:70230003

WO#:70230003

PM: BDR Due Date: 10/04/22

CLIENT: GEI-I

Section A — Required Client Information:

Company:	GEI Consultants
Address:	1305 Trumansburg Rd
	Suite N, Ithaca, NY 14850
Email:	[illegible]
Phone:	607-216-8955	Fax
Requested Due Date:	

Section B — Required Project Information:

Report To:	[illegible] Breana Pabst
Copy To:	
Purchase Order #:	
Project Name:	NYSEG- ITHACA COURT STREET PROJECT
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	
Pace Profile #:	0916

Matrix codes: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS

SAMPLE ID — One Character per box (A-Z, 0-9 / , -) Sample Ids must be unique

ITEM #	SAMPLE ID		MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	BTEX 8260	8270 [illegible]	Cyanide	Sulfate, Alkalinity, Nitrate	Nitrate, Ammonia	RSK Methane	Total Iron by 6010	Ferrous Iron	Residual Chlorine (Y/N)
1	[illegible]		WT																	x	x	x	x	x	x	x	x	
2	[illegible]		WT																	x	x	x	x	x	x	x	x	
3	[illegible]	-01	WT		9/19	1100	9/19	1100		11	X	X	X	X	X					x	x	x	x	x	x	x	x	
4	[illegible]		WT																	x	x	x	x	x	x	x	x	
5	[illegible]		WT																	x	x	x	x	x	x	x	x	
5	[illegible]		WT																	x	x	x	x	x	x	x	x	
7	[illegible]		WT																	x	x	x	x	x	x	x	x	
8	MS	-02	WT		9/19	1100	9/19	1100		11	X	X	X	X	X					x	x	x	x	x	x	x	x	
9	[illegible]		WT																	x	x	x	x	x	x	x	x	
10	[illegible]		WT																	x	x	x	x	x	x	x	x	
11	[illegible]		WT																	x	x	x	x	x	x	x	x	
12	[illegible]		WT																	x	x	x	x	x	x	x	x	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Ferrous Iron subbed	Breana Pabst / GEI	9/19	16:04	[signature]	9/19	16:04	
to Pace NE	[signature]	9/19	18:00	[signature]	[illegible]	[illegible]	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Breana Pabst

SIGNATURE of SAMPLER: [signature] DATE Signed: 9/19/22

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-22S **Lab ID: 70230444001** Collected: 09/21/22 08:55 Received: 09/22/22 10:15 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	**1050** J	ug/L	215	215	09/28/22 13:02	09/30/22 12:31	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**8220**	ug/L	100	1	10/04/22 10:39	10/04/22 23:47	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**1.4**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	83-32-9	
Acenaphthene	**1.4**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	83-32-9	H2
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	208-96-8	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	208-96-8	H2
Anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	120-12-7	
Anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	120-12-7	H2
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	56-55-3	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	50-32-8	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	205-99-2	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	191-24-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	207-08-9	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	207-08-9	H2
Chrysene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	218-01-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	53-70-3	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	53-70-3	H2
Fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	206-44-0	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	206-44-0	H2
Fluorene	**0.021**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	86-73-7	
Fluorene	**0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	193-39-5	H2
Naphthalene	**0.22**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	91-20-3	
Naphthalene	**0.25**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	91-20-3	H2
Phenanthrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	85-01-8	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	85-01-8	H2
Pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	129-00-0	
Pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	73	%	40-112	1	09/30/22 11:52	10/04/22 20:19	93951-69-0	
Fluoranthene-d10 (S)	73	%	40-112	1	09/27/22 11:02	09/28/22 21:23	93951-69-0	
2-Methylnaphthalene-d10 (S)	58	%	44-146	1	09/30/22 11:52	10/04/22 20:19	7297-45-2	
2-Methylnaphthalene-d10 (S)	53	%	44-146	1	09/27/22 11:02	09/28/22 21:23	7297-45-2	

REPORT OF LABORATORY ANALYSIS

AM 5/10/23

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-22S **Lab ID: 70230444001** Collected: 09/21/22 08:55 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**13.4**	ug/L	1.0	1		09/29/22 19:40	71-43-2	
Ethylbenzene	**10.6**	ug/L	1.0	1		09/29/22 19:40	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 19:40	108-88-3	
Xylene (Total)	**5.6**	ug/L	3.0	1		09/29/22 19:40	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	81-122	1		09/29/22 19:40	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-118	1		09/29/22 19:40	460-00-4	
Toluene-d8 (S)	114	%	82-122	1		09/29/22 19:40	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**347**	mg/L	1.0	1		09/27/22 14:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**187**	mg/L	25.0	5		10/04/22 05:49	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		09/23/22 01:37	14797-55-8	
Nitrate-Nitrite (as N)	**0.072**	mg/L	0.050	1		09/23/22 01:37	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		09/22/22 23:08	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**3.3**	mg/L	0.10	1		09/26/22 14:00	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**104**	ug/L	10.0	1	10/04/22 14:40	10/04/22 19:30	57-12-5	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-25S **Lab ID: 70230444002** Collected: 09/21/22 07:55 Received: 09/22/22 10:15 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	**<215**	ug/L	215	215	09/28/22 13:02	09/30/22 13:06	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**1060**	ug/L	100	1	10/04/22 10:39	10/04/22 23:50	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	09/27/22 11:02	09/28/22 21:54	83-32-9	
Acenaphthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	83-32-9	H2
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	208-96-8	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	208-96-8	H2
Anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	120-12-7	
Anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	120-12-7	H2
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	56-55-3	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	50-32-8	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	205-99-2	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	191-24-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	207-08-9	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	207-08-9	H2
Chrysene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	218-01-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	53-70-3	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	53-70-3	H2
Fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	206-44-0	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	206-44-0	H2
Fluorene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	86-73-7	
Fluorene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	193-39-5	H2
Naphthalene	**0.085**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	91-20-3	
Naphthalene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	91-20-3	H2
Phenanthrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	85-01-8	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	85-01-8	H2
Pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	129-00-0	
Pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	55	%	40-112	1	09/27/22 11:02	09/28/22 21:54	93951-69-0	
Fluoranthene-d10 (S)	66	%	40-112	1	09/30/22 11:52	10/04/22 20:50	93951-69-0	
2-Methylnaphthalene-d10 (S)	48	%	44-146	1	09/27/22 11:02	09/28/22 21:54	7297-45-2	
2-Methylnaphthalene-d10 (S)	53	%	44-146	1	09/30/22 11:52	10/04/22 20:50	7297-45-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-25S **Lab ID: 70230444002** Collected: 09/21/22 07:55 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/29/22 19:59	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/29/22 19:59	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 19:59	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/29/22 19:59	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	81-122	1		09/29/22 19:59	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-118	1		09/29/22 19:59	460-00-4	
Toluene-d8 (S)	115	%	82-122	1		09/29/22 19:59	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**559**	mg/L	1.0	1		09/27/22 14:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**111**	mg/L	25.0	5		10/04/22 06:03	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.11**	mg/L	0.050	1		09/23/22 01:34	14797-55-8	
Nitrate-Nitrite (as N)	**0.13**	mg/L	0.050	1		09/23/22 01:34	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		09/22/22 23:01	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.46**	mg/L	0.10	1		09/26/22 14:01	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**20.1**	ug/L	10.0	1	10/04/22 14:40	10/04/22 19:31	57-12-5	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-33S **Lab ID: 70230444003** Collected: 09/21/22 09:30 Received: 09/22/22 10:15 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	**754** J	ug/L	215	215	09/28/22 13:02	09/30/22 12:55	74-82-8	β
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**15300**	ug/L	100	1	10/04/22 10:39	10/04/22 23:53	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	<0.020 UJ	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	83-32-9	
~~Acenaphthene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	83-32-9	H2
Acenaphthylene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	208-96-8	
~~Acenaphthylene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	208-96-8	H2
Anthracene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	120-12-7	
~~Anthracene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	120-12-7	H2
Benzo(a)anthracene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	56-55-3	
~~Benzo(a)anthracene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	56-55-3	H2
Benzo(a)pyrene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	50-32-8	
~~Benzo(a)pyrene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	50-32-8	H2
Benzo(b)fluoranthene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	205-99-2	
~~Benzo(b)fluoranthene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	205-99-2	H2
Benzo(g,h,i)perylene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	191-24-2	
~~Benzo(g,h,i)perylene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	191-24-2	H2
Benzo(k)fluoranthene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	207-08-9	
~~Benzo(k)fluoranthene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	207-08-9	H2
Chrysene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	218-01-9	
~~Chrysene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	218-01-9	H2
Dibenz(a,h)anthracene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	53-70-3	
~~Dibenz(a,h)anthracene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	53-70-3	H2
Fluoranthene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	206-44-0	
~~Fluoranthene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	206-44-0	H2
Fluorene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	86-73-7	
~~Fluorene~~	~~<0.020~~	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	86-73-7	H2
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	193-39-5	
~~Indeno(1,2,3-cd)pyrene~~	~~<0.020~~ UJ	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	193-39-5	H2
Naphthalene	0.083 J	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	91-20-3	
~~Naphthalene~~	~~<0.020~~ UJ	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	91-20-3	H2
Phenanthrene	<0.020 UJ	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	85-01-8	
~~Phenanthrene~~	~~<0.020~~ UJ	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	85-01-8	H2
Pyrene	<0.020 UJ	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	129-00-0	
~~Pyrene~~	~~<0.020~~ UJ	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 21:20	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	74	%	40-112	1	09/30/22 11:52	10/04/22 21:20	93951-69-0	
Fluoranthene-d10 (S)	69	%	40-112	1	09/27/22 11:02	09/28/22 22:24	93951-69-0	
2-Methylnaphthalene-d10 (S)	55	%	44-146	1	09/30/22 11:52	10/04/22 21:20	7297-45-2	
2-Methylnaphthalene-d10 (S)	41	%	44-146	1	09/27/22 11:02	09/28/22 22:24	7297-45-2	S0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-33S **Lab ID: 70230444003** Collected: 09/21/22 09:30 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/29/22 20:19	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/29/22 20:19	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 20:19	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/29/22 20:19	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	81-122	1		09/29/22 20:19	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-118	1		09/29/22 20:19	460-00-4	
Toluene-d8 (S)	113	%	82-122	1		09/29/22 20:19	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**425**	mg/L	1.0	1		09/27/22 15:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**16.9**	mg/L	5.0	1		10/02/22 01:06	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		09/23/22 01:46	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/23/22 01:46	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		09/22/22 23:16	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**3.1**	mg/L	0.10	1		09/26/22 14:02	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	10/04/22 14:40	10/04/22 19:32	57-12-5	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-46S **Lab ID: 70230444004** Collected: 09/21/22 10:50 Received: 09/22/22 10:15 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	**3590**	ug/L	255	255	09/28/22 13:02	09/30/22 13:47	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**2970**	ug/L	100	1	10/06/22 09:07	10/06/22 21:45	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**22.6**	ug/L	1.0	50	09/27/22 11:02	10/07/22 20:57	83-32-9	
Acenaphthene	**19.3**	ug/L	1.0	50	09/30/22 11:52	10/07/22 21:28	83-32-9	H2
Acenaphthylene	**0.79**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	208-96-8	
Acenaphthylene	**0.73**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	208-96-8	H2
Anthracene	**0.80**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	120-12-7	
Anthracene	**0.77**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	120-12-7	H2
Benzo(a)anthracene	**0.21**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	56-55-3	
Benzo(a)anthracene	**0.26**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	56-55-3	H2
Benzo(a)pyrene	**0.14**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	50-32-8	
Benzo(a)pyrene	**0.18**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	50-32-8	H2
Benzo(b)fluoranthene	**0.093**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	205-99-2	
Benzo(b)fluoranthene	**0.13**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	205-99-2	H2
Benzo(g,h,i)perylene	**0.048**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	191-24-2	
Benzo(g,h,i)perylene	**0.064**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	191-24-2	H2
Benzo(k)fluoranthene	**0.046**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	207-08-9	
Benzo(k)fluoranthene	**0.057**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	207-08-9	H2
Chrysene	**0.19**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	218-01-9	
Chrysene	**0.23**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	53-70-3	
Dibenz(a,h)anthracene	**0.023**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	53-70-3	H2
Fluoranthene	**0.53**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	206-44-0	
Fluoranthene	**0.57**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	206-44-0	H2
Fluorene	**4.2**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	86-73-7	
Fluorene	**3.6**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**0.037**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	193-39-5	
Indeno(1,2,3-cd)pyrene	**0.050**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	193-39-5	H2
Naphthalene	**240**	ug/L	1.0	50	09/27/22 11:02	10/07/22 20:57	91-20-3	
Naphthalene	**162**	ug/L	1.0	50	09/30/22 11:52	10/07/22 21:28	91-20-3	H2
Phenanthrene	**2.8**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	85-01-8	
Phenanthrene	**2.4**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	85-01-8	H2
Pyrene	**0.99**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	129-00-0	
Pyrene	**1.0**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	65	%	40-112	1	09/30/22 11:52	10/04/22 21:51	93951-69-0	
Fluoranthene-d10 (S)	68	%	40-112	1	09/27/22 11:02	09/28/22 22:54	93951-69-0	
2-Methylnaphthalene-d10 (S)	48	%	44-146	1	09/27/22 11:02	09/28/22 22:54	7297-45-2	
2-Methylnaphthalene-d10 (S)	50	%	44-146	1	09/30/22 11:52	10/04/22 21:51	7297-45-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-46S **Lab ID: 70230444004** Collected: 09/21/22 10:50 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**278**	ug/L	5.0	5		09/29/22 23:11	71-43-2	
Ethylbenzene	**256**	ug/L	5.0	5		09/29/22 23:11	100-41-4	
Toluene	**1.4**	ug/L	1.0	1		09/29/22 20:38	108-88-3	
Xylene (Total)	**61.8**	ug/L	3.0	1		09/29/22 20:38	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	81-122	1		09/29/22 20:38	17060-07-0	
4-Bromofluorobenzene (S)	90	%	79-118	1		09/29/22 20:38	460-00-4	
Toluene-d8 (S)	114	%	82-122	1		09/29/22 20:38	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**300**	mg/L	1.0	1		09/27/22 15:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**10.7**	mg/L	5.0	1		10/02/22 01:20	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		09/23/22 02:00	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/23/22 02:00	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		09/22/22 23:32	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.1**	mg/L	0.10	1		09/26/22 14:04	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	10/04/22 14:40	10/04/22 19:33	57-12-5	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-47S **Lab ID: 70230444005** Collected: 09/21/22 08:00 Received: 09/22/22 10:15 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	**2790**	ug/L	215	215	09/28/22 13:02	09/30/22 13:28	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**3410**	ug/L	100	1	10/06/22 09:07	10/06/22 21:48	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**1.0**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	83-32-9	
Acenaphthene	**0.89**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	83-32-9	H2
Acenaphthylene	**0.024**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	208-96-8	
Acenaphthylene	**0.030**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	208-96-8	H2
Anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	120-12-7	
Anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	120-12-7	H2
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	56-55-3	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	50-32-8	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	205-99-2	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	191-24-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	207-08-9	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	207-08-9	H2
Chrysene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	218-01-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	53-70-3	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	53-70-3	H2
Fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	206-44-0	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	206-44-0	H2
Fluorene	**0.040**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	86-73-7	
Fluorene	**0.058**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	193-39-5	H2
Naphthalene	**0.11**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	91-20-3	
Naphthalene	**0.13**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	91-20-3	H2
Phenanthrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	85-01-8	
Phenanthrene	**0.045**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	85-01-8	H2
Pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	129-00-0	
Pyrene	**0.022**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	75	%	40-112	1	09/30/22 11:52	10/04/22 22:22	93951-69-0	
Fluoranthene-d10 (S)	74	%	40-112	1	09/27/22 11:02	09/28/22 23:25	93951-69-0	
2-Methylnaphthalene-d10 (S)	48	%	44-146	1	09/27/22 11:02	09/28/22 23:25	7297-45-2	
2-Methylnaphthalene-d10 (S)	42	%	44-146	1	09/30/22 11:52	10/04/22 22:22	7297-45-2	S0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-47S **Lab ID: 70230444005** Collected: 09/21/22 08:00 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/29/22 20:57	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/29/22 20:57	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 20:57	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/29/22 20:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	81-122	1		09/29/22 20:57	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-118	1		09/29/22 20:57	460-00-4	
Toluene-d8 (S)	115	%	82-122	1		09/29/22 20:57	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**306**	mg/L	1.0	1		09/27/22 15:43		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**14.7**	mg/L	5.0	1		10/02/22 01:33	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.057**	mg/L	0.050	1		09/23/22 01:35	14797-55-8	
Nitrate-Nitrite (as N)	**0.067**	mg/L	0.050	1		09/23/22 01:35	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		09/22/22 23:02	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.6**	mg/L	0.10	1		09/26/22 14:05	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	10/04/22 14:40	10/04/22 19:33	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-48S **Lab ID: 70230444006** Collected: 09/21/22 10:55 Received: 09/22/22 10:15 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	**1810**	ug/L	255	255	09/28/22 13:02	09/30/22 13:59	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**4170**	ug/L	100	1	10/06/22 09:07	10/06/22 21:51	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
~~Acenaphthene~~	**~~31.7~~**	~~ug/L~~	1.0	50	09/30/22 11:52	10/06/22 18:57	83-32-9	H2
Acenaphthene	**30.5**	ug/L	1.0	50	09/27/22 11:02	10/06/22 19:27	83-32-9	
Acenaphthylene	**0.84**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	208-96-8	
~~Acenaphthylene~~	**~~0.88~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	208-96-8	H2
Anthracene	**1.2**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	120-12-7	
~~Anthracene~~	**~~1.2~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	120-12-7	H2
Benzo(a)anthracene	**0.048**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	56-55-3	
~~Benzo(a)anthracene~~	**~~0.041~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	50-32-8	
~~Benzo(a)pyrene~~	**~~<0.020~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	205-99-2	
~~Benzo(b)fluoranthene~~	**~~<0.020~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	191-24-2	
~~Benzo(g,h,i)perylene~~	**~~<0.020~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	207-08-9	
~~Benzo(k)fluoranthene~~	**~~<0.020~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	207-08-9	H2
Chrysene	**0.049**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	218-01-9	
~~Chrysene~~	**~~0.038~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	53-70-3	
~~Dibenz(a,h)anthracene~~	**~~<0.020~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	53-70-3	H2
Fluoranthene	**0.55**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	206-44-0	
~~Fluoranthene~~	**~~0.56~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	206-44-0	H2
Fluorene	**2.6**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	86-73-7	
~~Fluorene~~	**~~2.8~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	193-39-5	
~~Indeno(1,2,3-cd)pyrene~~	**~~<0.020~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	193-39-5	H2
~~Naphthalene~~	**~~65.2~~**	~~ug/L~~	1.0	50	09/30/22 11:52	10/06/22 18:57	91-20-3	H2
Naphthalene	**65.5**	ug/L	1.0	50	09/27/22 11:02	10/06/22 19:27	91-20-3	
Phenanthrene	**3.9**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	85-01-8	
~~Phenanthrene~~	**~~3.9~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	85-01-8	H2
Pyrene	**0.79**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	129-00-0	
~~Pyrene~~	**~~0.78~~**	~~ug/L~~	0.020	1	09/30/22 11:52	10/04/22 22:52	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	73	%	40-112	1	09/30/22 11:52	10/04/22 22:52	93951-69-0	
Fluoranthene-d10 (S)	69	%	40-112	1	09/27/22 11:02	09/28/22 23:55	93951-69-0	
2-Methylnaphthalene-d10 (S)	54	%	44-146	1	09/30/22 11:52	10/04/22 22:52	7297-45-2	
2-Methylnaphthalene-d10 (S)	50	%	44-146	1	09/27/22 11:02	09/28/22 23:55	7297-45-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-48S **Lab ID: 70230444006** Collected: 09/21/22 10:55 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**27.4**	ug/L	1.0	1		09/29/22 21:16	71-43-2	
Ethylbenzene	**14.6**	ug/L	1.0	1		09/29/22 21:16	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 21:16	108-88-3	
Xylene (Total)	**12.0**	ug/L	3.0	1		09/29/22 21:16	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	81-122	1		09/29/22 21:16	17060-07-0	
4-Bromofluorobenzene (S)	91	%	79-118	1		09/29/22 21:16	460-00-4	
Toluene-d8 (S)	113	%	82-122	1		09/29/22 21:16	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**397**	mg/L	1.0	1		09/27/22 17:57		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**<5.0**	mg/L	5.0	1		10/02/22 01:47	14808-79-8	B
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		09/23/22 02:01	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/23/22 02:01	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		09/22/22 23:36	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.0**	mg/L	0.10	1		09/26/22 14:08	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	10/04/22 14:40	10/04/22 19:34	57-12-5	

WO#: 70230444

70230444

Pace

CHAIN-OF-CUSTODY / Analytical Reques

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://inf

Page : | Of |

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GEI Consultants	Report To:	Breana Pabst	Attention:	
Address:	1301 Trumansburg Rd	Copy To:		Company Name:	
Suite N:	Ithaca, NY 14850			Address:	
Email:	bpabst@geiconsultants.com	Purchase Order #:		Pace Quote:	
Phone:	607-216-8955 Fax:	Project Name:	NYSEG- ITHACA COURT STREET PROJECT	Pace Project Manager:	tatoya.sobratie@pacelabs.com
Requested Due Date:		Project #:	2202159	Pace Profile #:	9816

Regulatory Agency	
State / Location	NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	BTEX 8260	8270 SIM PAH list	Cyanide	Sulfate, Alkalinity, Nitrite	Nitrate, Ammonia	RSK Methane	Total Iron by 6010	Ferrous Iron	Residual Chlorine (Y/N)
~~13~~ 1	MW-22S	WT		9/21	855	9/21	855		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
~~14~~ 2	MW-25S	WT		9/21	755	9/21	755		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
~~15~~ 3	MW-33S	WT		9/21	930	9/21	930		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
~~16~~ 4	MW-46S	WT		9/21	1050	9/21	1050		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
~~17~~ 5	MW-47S	WT		9/21	800	9/21	800		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
~~18~~ 6	MW-48S	WT		9/21	1055	9/21	1055		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
19																			X	X	X	X	X	X	X	X	
20																			X	X	X	X	X	X	X	X	
21																			X	X	X	X	X	X	X	X	
22																			X	X	X	X	X	X	X	X	
23																			X	X	X	X	X	X	X	X	
24																			X	X	X	X	X	X	X	X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Ferrous iron subbed	Breana Pabst /GEI	9/21/22	12:00		9-21	12:00				
to Pace NE		9-21	1700		9/22	10:15	0.2	W	N	Y

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Breana Pabst					
SIGNATURE of SAMPLER:	Breana Pabst	DATE Signed: 9/21/22				

Attachment C

Laboratory Report

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

December 09, 2022

Bruce Coulombe
GEI Consultants
1301 Trumansburg Rd
Ithaca, NY 14850

RE: Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Dear Bruce Coulombe:

Enclosed are the analytical results for sample(s) received by the laboratory between September 20, 2022 and September 21, 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,

Brianna D. Rivera
brianna.rivera@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Breana Pabst, GEI Consultants

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **RSK-175**
Description: RSK 175 Dissolved Gases
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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.

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **EPA 6010C**
Description: 6010 MET ICP
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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:

Batch Comments:

The post digestion spike for sample 70230003004 (PDS 1392171) exceeded acceptance criteria for Calcium, and Sodium.
- QC Batch: 275517

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **EPA 8270E SIM**
Description: 8270E MSSV PAH by SIM
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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-23S (Lab ID: 70230003010)

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.

QC Batch: 274841

S0: Surrogate recovery outside laboratory control limits.
- MW-C16 (Lab ID: 70230003001)
  - 2-Methylnaphthalene-d10 (S)

QC Batch: 275047

S0: Surrogate recovery outside laboratory control limits.
- MW-23S (Lab ID: 70230003010)
  - 2-Methylnaphthalene-d10 (S)
- MW-31S (Lab ID: 70230003009)
  - 2-Methylnaphthalene-d10 (S)

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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **EPA 8270E SIM**
Description: 8270E MSSV PAH by SIM
Client: GEI Consultants
Date: December 09, 2022

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

QC Batch: 274841

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230003004

R1: RPD value was outside control limits.

- MSD (Lab ID: 1389784)
  - Acenaphthylene
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Fluoranthene
  - Fluorene
  - Naphthalene
  - Phenanthrene

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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: 275392

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230003004

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

- MS (Lab ID: 1391722)
  - Toluene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **SM22 2320B**
Description: 2320B Alkalinity
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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: 275034

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230003004

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

- MS (Lab ID: 1389789)
  - Alkalinity, Total as CaCO3

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **EPA 300.0**
Description: 300.0 IC Anions 28 Days
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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.

QC Batch: 275302

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230003004,70230326001

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

- MS (Lab ID: 1391190)
  - Sulfate

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 unpres
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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.

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: 274402

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70229869001,70229993001

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

- MS (Lab ID: 1385868)
  - Nitrate-Nitrite (as N)
- MS (Lab ID: 1385870)
  - Nitrate-Nitrite (as N)

QC Batch: 274614

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230003004,70230091002

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

- MS (Lab ID: 1387272)
  - Nitrate-Nitrite (as N)

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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.

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: 274393

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70229869001,70229995001

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

- MS (Lab ID: 1385843)
  - Nitrite as N

QC Batch: 274605

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230277001,70230278003

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

- MS (Lab ID: 1387113)
  - Nitrite as N

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **SM22 4500 NH3 H**
Description: 4500 Ammonia Water
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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.

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Method: **EPA 9014 Total Cyanide**
Description: 9014 Cyanide, Total
Client: GEI Consultants
Date: December 09, 2022

General Information:
10 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.

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C16 **Lab ID: 70230003001** Collected: 09/19/22 11:00 Received: 09/20/22 10:30 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	**267**	ug/L	215	215	09/28/22 13:02	09/29/22 12:12	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**11600**	ug/L	100	1	09/28/22 07:08	09/28/22 21:30	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**16.4**	ug/L	0.10	5	09/23/22 12:32	09/28/22 17:20	83-32-9	
Acenaphthylene	**0.26**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	208-96-8	
Anthracene	**0.15**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	120-12-7	
Benzo(a)anthracene	**0.084**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	56-55-3	
Benzo(a)pyrene	**0.11**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	50-32-8	
Benzo(b)fluoranthene	**0.13**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	205-99-2	
Benzo(g,h,i)perylene	**0.11**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	191-24-2	
Benzo(k)fluoranthene	**0.055**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	207-08-9	
Chrysene	**0.12**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	218-01-9	
Dibenz(a,h)anthracene	**0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	53-70-3	
Fluoranthene	**0.39**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	206-44-0	
Fluorene	**1.9**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.075**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	193-39-5	
Naphthalene	**0.11**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	91-20-3	
Phenanthrene	**0.80**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	85-01-8	
Pyrene	**0.60**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:14	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	61	%	40-112	1	09/23/22 12:32	09/27/22 20:14	93951-69-0	
2-Methylnaphthalene-d10 (S)	38	%	44-146	1	09/23/22 12:32	09/27/22 20:14	7297-45-2	S0,S8
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/22/22 01:46	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/22/22 01:46	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/22/22 01:46	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/22/22 01:46	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	81-122	1		09/22/22 01:46	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-118	1		09/22/22 01:46	460-00-4	
Toluene-d8 (S)	92	%	82-122	1		09/22/22 01:46	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**668**	mg/L	1.0	1		09/22/22 12:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C16 **Lab ID: 70230003001** Collected: 09/19/22 11:00 Received: 09/20/22 10:30 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	**774**	mg/L	100	20		10/01/22 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		09/20/22 22:23	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/20/22 22:23	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		09/20/22 21:03	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.73**	mg/L	0.10	1		09/22/22 13:16	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	09/22/22 14:55	09/22/22 19:28	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-13S **Lab ID: 70230003002** Collected: 09/19/22 11:00 Received: 09/20/22 10:30 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	**381**	ug/L	215	215	09/28/22 13:02	09/29/22 12:25	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**380**	ug/L	100	1	09/28/22 07:08	09/28/22 21:33	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	09/23/22 12:32	09/27/22 20:44	83-32-9	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	208-96-8	
Anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	53-70-3	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	206-44-0	
Fluorene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	193-39-5	
Naphthalene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	91-20-3	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	85-01-8	
Pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/27/22 20:44	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	67	%	40-112	1	09/23/22 12:32	09/27/22 20:44	93951-69-0	
2-Methylnaphthalene-d10 (S)	44	%	44-146	1	09/23/22 12:32	09/27/22 20:44	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**2.0**	ug/L	1.0	1		09/22/22 02:05	71-43-2	
Ethylbenzene	**1.8**	ug/L	1.0	1		09/22/22 02:05	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/22/22 02:05	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/22/22 02:05	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	81-122	1		09/22/22 02:05	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-118	1		09/22/22 02:05	460-00-4	
Toluene-d8 (S)	92	%	82-122	1		09/22/22 02:05	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**353**	mg/L	1.0	1		09/22/22 12:28		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-13S **Lab ID: 70230003002** Collected: 09/19/22 11:00 Received: 09/20/22 10:30 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	**34.6**	mg/L	5.0	1		10/01/22 17:11	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.28**	mg/L	0.050	1		09/20/22 22:28	14797-55-8	
Nitrate-Nitrite (as N)	**0.29**	mg/L	0.050	1		09/20/22 22:28	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		09/20/22 21:04	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.22**	mg/L	0.10	1		09/22/22 13:17	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	09/22/22 14:55	09/22/22 19:29	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-24S **Lab ID: 70230003003** Collected: 09/20/22 07:55 Received: 09/21/22 10:00 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	**434**	ug/L	86.0	86	09/28/22 13:02	09/29/22 12:37	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**1060**	ug/L	100	1	09/28/22 07:08	09/28/22 21:48	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	09/26/22 12:38	09/26/22 22:38	83-32-9	
Acenaphthylene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	208-96-8	
Anthracene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	120-12-7	
Benzo(a)anthracene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	56-55-3	
Benzo(a)pyrene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	50-32-8	
Benzo(b)fluoranthene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	205-99-2	
Benzo(g,h,i)perylene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	191-24-2	
Benzo(k)fluoranthene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	207-08-9	
Chrysene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	218-01-9	
Dibenz(a,h)anthracene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	53-70-3	
Fluoranthene	**0.020**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	206-44-0	
Fluorene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	193-39-5	
Naphthalene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	91-20-3	
Phenanthrene	**<0.019**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	85-01-8	
Pyrene	**0.021**	ug/L	0.019	1	09/26/22 12:38	09/26/22 22:38	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	79	%	40-112	1	09/26/22 12:38	09/26/22 22:38	93951-69-0	
2-Methylnaphthalene-d10 (S)	49	%	44-146	1	09/26/22 12:38	09/26/22 22:38	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 09:54	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 09:54	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 09:54	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 09:54	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	81-122	1		09/28/22 09:54	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-118	1		09/28/22 09:54	460-00-4	
Toluene-d8 (S)	96	%	82-122	1		09/28/22 09:54	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**371**	mg/L	1.0	1		09/26/22 12:31		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-24S **Lab ID: 70230003003** Collected: 09/20/22 07:55 Received: 09/21/22 10:00 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	**23.3**	mg/L	5.0	1		09/28/22 21:51	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.099**	mg/L	0.050	1		09/22/22 07:42	14797-55-8	
Nitrate-Nitrite (as N)	**0.10**	mg/L	0.050	1		09/22/22 07:42	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		09/22/22 04:07	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.28**	mg/L	0.10	1		09/26/22 13:43	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	10/03/22 18:10	10/03/22 19:54	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C11 **Lab ID: 70230003004** Collected: 09/20/22 08:30 Received: 09/21/22 10:00 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	**264**	ug/L	86.0	86	09/28/22 13:02	09/29/22 12:56	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**2040**	ug/L	100	1	09/28/22 07:08	09/28/22 21:51	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**0.59**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	83-32-9	
Acenaphthylene	**0.10**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	208-96-8	R1
Anthracene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	120-12-7	R1
Benzo(a)anthracene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	56-55-3	R1
Benzo(a)pyrene	**0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	50-32-8	R1
Benzo(b)fluoranthene	**0.022**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	205-99-2	
Benzo(g,h,i)perylene	**0.028**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	191-24-2	
Benzo(k)fluoranthene	**0.024**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	207-08-9	
Chrysene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	218-01-9	
Dibenz(a,h)anthracene	**0.023**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	53-70-3	
Fluoranthene	**0.027**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	206-44-0	R1
Fluorene	**0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	86-73-7	R1
Indeno(1,2,3-cd)pyrene	**0.027**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	193-39-5	
Naphthalene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	91-20-3	R1
Phenanthrene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	85-01-8	R1
Pyrene	**0.045**	ug/L	0.021	1	09/23/22 12:32	09/27/22 23:16	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	72	%	40-112	1	09/23/22 12:32	09/27/22 23:16	93951-69-0	
2-Methylnaphthalene-d10 (S)	57	%	44-146	1	09/23/22 12:32	09/27/22 23:16	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 10:47	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 10:47	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 10:47	108-88-3	M1
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 10:47	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	81-122	1		09/28/22 10:47	17060-07-0	
4-Bromofluorobenzene (S)	106	%	79-118	1		09/28/22 10:47	460-00-4	
Toluene-d8 (S)	90	%	82-122	1		09/28/22 10:47	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**330**	mg/L	1.0	1		09/26/22 12:47		M1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C11 **Lab ID: 70230003004** Collected: 09/20/22 08:30 Received: 09/21/22 10:00 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	**67.2**	mg/L	5.0	1		09/28/22 22:05	14808-79-8	M1
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		09/22/22 07:00	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:00	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		09/22/22 04:20	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.43**	mg/L	0.10	1		09/26/22 13:44	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**10.2**	ug/L	10.0	1	10/03/22 18:10	10/03/22 19:54	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C12 **Lab ID: 70230003005** Collected: 09/20/22 09:30 Received: 09/21/22 10:00 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	**680**	ug/L	86.0	86	09/28/22 13:02	09/29/22 13:16	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**1470**	ug/L	100	1	09/28/22 07:08	09/28/22 22:05	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**76.1**	ug/L	0.42	20	09/23/22 12:32	09/28/22 17:50	83-32-9	
Acenaphthylene	**0.70**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	208-96-8	
Anthracene	**0.060**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	120-12-7	
Benzo(a)anthracene	**0.025**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	56-55-3	
Benzo(a)pyrene	**0.021**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	50-32-8	
Benzo(b)fluoranthene	**0.024**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	205-99-2	
Benzo(g,h,i)perylene	**0.025**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	191-24-2	
Benzo(k)fluoranthene	**<0.021**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	207-08-9	
Chrysene	**0.024**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	218-01-9	
Dibenz(a,h)anthracene	**0.021**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	53-70-3	
Fluoranthene	**0.037**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	206-44-0	
Fluorene	**9.4**	ug/L	0.42	20	09/23/22 12:32	09/28/22 17:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.023**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	193-39-5	
Naphthalene	**0.048**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	91-20-3	
Phenanthrene	**0.30**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	85-01-8	
Pyrene	**0.042**	ug/L	0.021	1	09/23/22 12:32	09/28/22 18:51	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	73	%	40-112	1	09/23/22 12:32	09/28/22 18:51	93951-69-0	
2-Methylnaphthalene-d10 (S)	54	%	44-146	1	09/23/22 12:32	09/28/22 18:51	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**1.5**	ug/L	1.0	1		09/28/22 11:06	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 11:06	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 11:06	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 11:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%	81-122	1		09/28/22 11:06	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-118	1		09/28/22 11:06	460-00-4	
Toluene-d8 (S)	94	%	82-122	1		09/28/22 11:06	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**564**	mg/L	1.0	1		09/26/22 13:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-C12 **Lab ID: 70230003005** Collected: 09/20/22 09:30 Received: 09/21/22 10:00 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	**91.7**	mg/L	5.0	1		09/28/22 22:46	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		09/22/22 07:13	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:13	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		09/22/22 04:08	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.6**	mg/L	0.10	1		09/26/22 13:48	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	10/03/22 18:10	10/03/22 19:57	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: DUP **Lab ID: 70230003006** Collected: 09/20/22 09:30 Received: 09/21/22 10:00 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	**852**	ug/L	86.0	86	09/28/22 13:02	09/29/22 13:35	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**1520**	ug/L	100	1	09/28/22 07:08	09/28/22 22:08	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**78.9**	ug/L	0.41	20	09/23/22 12:32	09/28/22 18:20	83-32-9	
Acenaphthylene	**0.75**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	208-96-8	
Anthracene	**0.052**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	53-70-3	
Fluoranthene	**0.021**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	206-44-0	
Fluorene	**9.8**	ug/L	0.41	20	09/23/22 12:32	09/28/22 18:20	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	193-39-5	
Naphthalene	**0.051**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	91-20-3	
Phenanthrene	**0.35**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	85-01-8	
Pyrene	**0.024**	ug/L	0.020	1	09/23/22 12:32	09/28/22 19:21	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	71	%	40-112	1	09/23/22 12:32	09/28/22 19:21	93951-69-0	
2-Methylnaphthalene-d10 (S)	55	%	44-146	1	09/23/22 12:32	09/28/22 19:21	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**2.4**	ug/L	1.0	1		09/28/22 11:25	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 11:25	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 11:25	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 11:25	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	81-122	1		09/28/22 11:25	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-118	1		09/28/22 11:25	460-00-4	
Toluene-d8 (S)	94	%	82-122	1		09/28/22 11:25	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**529**	mg/L	1.0	1		09/26/22 14:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: DUP **Lab ID: 70230003006** Collected: 09/20/22 09:30 Received: 09/21/22 10:00 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	**83.3**	mg/L	5.0	1		09/28/22 22:59	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		09/22/22 07:14	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:14	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		09/22/22 04:10	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.2**	mg/L	0.10	1		09/26/22 13:52	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**11.8**	ug/L	10.0	1	10/03/22 18:10	10/03/22 19:58	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-45S **Lab ID: 70230003007** Collected: 09/20/22 11:45 Received: 09/21/22 10:00 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	**1630**	ug/L	86.0	86	09/28/22 13:02	09/29/22 13:45	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**17300**	ug/L	100	1	09/28/22 07:08	09/28/22 22:17	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	09/26/22 12:38	09/26/22 23:09	83-32-9	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	208-96-8	
Anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	53-70-3	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	206-44-0	
Fluorene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	193-39-5	
Naphthalene	**0.040**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	91-20-3	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	85-01-8	
Pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:09	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	68	%	40-112	1	09/26/22 12:38	09/26/22 23:09	93951-69-0	
2-Methylnaphthalene-d10 (S)	44	%	44-146	1	09/26/22 12:38	09/26/22 23:09	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 11:44	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 11:44	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 11:44	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 11:44	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	81-122	1		09/28/22 11:44	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-118	1		09/28/22 11:44	460-00-4	
Toluene-d8 (S)	93	%	82-122	1		09/28/22 11:44	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**390**	mg/L	1.0	1		09/26/22 14:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-45S **Lab ID: 70230003007** Collected: 09/20/22 11:45 Received: 09/21/22 10:00 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		09/28/22 23:54	14808-79-8	B
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		09/22/22 07:49	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:49	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		09/22/22 04:11	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.7**	mg/L	0.10	1		09/26/22 13:55	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	10/03/22 18:10	10/03/22 19:59	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-40 **Lab ID: 70230003008** Collected: 09/20/22 13:00 Received: 09/21/22 10:00 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	**1090**	ug/L	86.0	86	09/28/22 13:02	09/29/22 13:54	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**12800**	ug/L	100	1	09/28/22 07:08	09/28/22 22:20	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	09/26/22 12:38	09/26/22 23:39	83-32-9	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	208-96-8	
Anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	53-70-3	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	206-44-0	
Fluorene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	193-39-5	
Naphthalene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	91-20-3	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	85-01-8	
Pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/26/22 23:39	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	80	%	40-112	1	09/26/22 12:38	09/26/22 23:39	93951-69-0	
2-Methylnaphthalene-d10 (S)	49	%	44-146	1	09/26/22 12:38	09/26/22 23:39	7297-45-2	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 12:03	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 12:03	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 12:03	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 12:03	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	81-122	1		09/28/22 12:03	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-118	1		09/28/22 12:03	460-00-4	
Toluene-d8 (S)	95	%	82-122	1		09/28/22 12:03	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**183**	mg/L	1.0	1		09/26/22 14:49		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-40 **Lab ID: 70230003008** Collected: 09/20/22 13:00 Received: 09/21/22 10:00 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		09/29/22 00:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.39**	mg/L	0.050	1		09/22/22 07:55	14797-55-8	
Nitrate-Nitrite (as N)	**0.39**	mg/L	0.050	1		09/22/22 07:55	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		09/22/22 04:12	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**4.4**	mg/L	0.10	1		09/26/22 13:56	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	10/03/22 18:10	10/03/22 19:59	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-31S **Lab ID: 70230003009** Collected: 09/20/22 14:25 Received: 09/21/22 10:00 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	**930**	ug/L	86.0	86	09/28/22 13:02	09/29/22 14:04	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**583**	ug/L	100	1	09/28/22 07:08	09/28/22 22:23	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	09/26/22 12:38	09/27/22 00:09	83-32-9	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	208-96-8	
Anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	120-12-7	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	50-32-8	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	205-99-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	191-24-2	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	207-08-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	218-01-9	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	53-70-3	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	206-44-0	
Fluorene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	193-39-5	
Naphthalene	**0.041**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	91-20-3	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	85-01-8	
Pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:09	129-00-0	
Surrogates								
Fluoranthene-d10 (S)	70	%	40-112	1	09/26/22 12:38	09/27/22 00:09	93951-69-0	
2-Methylnaphthalene-d10 (S)	41	%	44-146	1	09/26/22 12:38	09/27/22 00:09	7297-45-2	S0
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 12:21	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/28/22 12:21	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 12:21	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/28/22 12:21	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	81-122	1		09/28/22 12:21	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		09/28/22 12:21	460-00-4	
Toluene-d8 (S)	95	%	82-122	1		09/28/22 12:21	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**314**	mg/L	1.0	1		09/26/22 15:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-31S **Lab ID: 70230003009** Collected: 09/20/22 14:25 Received: 09/21/22 10:00 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	**8.4**	mg/L	5.0	1		09/29/22 00:21	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		09/22/22 07:56	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/22/22 07:56	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		09/22/22 04:13	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.14**	mg/L	0.10	1		09/26/22 13:58	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	10/03/22 18:10	10/03/22 20:00	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-23S **Lab ID: 70230003010** Collected: 09/20/22 14:55 Received: 09/21/22 10:00 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	**2280**	ug/L	215	215	09/28/22 13:02	09/30/22 12:09	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**664**	ug/L	100	1	10/04/22 10:39	10/04/22 23:03	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**23.9**	ug/L	0.20	10	09/26/22 12:38	09/27/22 17:40	83-32-9	
Acenaphthene	**35.4**	ug/L	0.20	10	09/29/22 10:58	10/04/22 17:15	83-32-9	H2
Acenaphthylene	**0.36**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	208-96-8	
Acenaphthylene	**0.54**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	208-96-8	H2
Anthracene	**1.6**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	120-12-7	
Anthracene	**2.0**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	120-12-7	H2
Benzo(a)anthracene	**0.044**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	56-55-3	
Benzo(a)anthracene	**0.044**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	50-32-8	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	205-99-2	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	191-24-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	207-08-9	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	207-08-9	H2
Chrysene	**0.048**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	218-01-9	
Chrysene	**0.045**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	53-70-3	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	53-70-3	H2
Fluoranthene	**0.75**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	206-44-0	
Fluoranthene	**0.84**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	206-44-0	H2
Fluorene	**6.2**	ug/L	0.20	10	09/26/22 12:38	09/27/22 17:40	86-73-7	
Fluorene	**9.0**	ug/L	0.20	10	09/29/22 10:58	10/04/22 17:15	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	193-39-5	H2
Naphthalene	**42.4**	ug/L	0.20	10	09/26/22 12:38	09/27/22 17:40	91-20-3	
Naphthalene	**35.0**	ug/L	0.20	10	09/29/22 10:58	10/04/22 17:15	91-20-3	H2
Phenanthrene	**7.4**	ug/L	0.20	10	09/26/22 12:38	09/27/22 17:40	85-01-8	
Phenanthrene	**8.5**	ug/L	0.20	10	09/29/22 10:58	10/04/22 17:15	85-01-8	H2
Pyrene	**1.2**	ug/L	0.020	1	09/26/22 12:38	09/27/22 00:40	129-00-0	
Pyrene	**1.3**	ug/L	0.020	1	09/29/22 10:58	10/03/22 21:52	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	72	%	40-112	1	09/29/22 10:58	10/03/22 21:52	93951-69-0	
Fluoranthene-d10 (S)	68	%	40-112	1	09/26/22 12:38	09/27/22 00:40	93951-69-0	
2-Methylnaphthalene-d10 (S)	36	%	44-146	1	09/26/22 12:38	09/27/22 00:40	7297-45-2	S0
2-Methylnaphthalene-d10 (S)	57	%	44-146	1	09/29/22 10:58	10/03/22 21:52	7297-45-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Sample: MW-23S **Lab ID: 70230003010** Collected: 09/20/22 14:55 Received: 09/21/22 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/28/22 12:40	71-43-2	
Ethylbenzene	**21.9**	ug/L	1.0	1		09/28/22 12:40	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/28/22 12:40	108-88-3	
Xylene (Total)	**14.2**	ug/L	3.0	1		09/28/22 12:40	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	118	%	81-122	1		09/28/22 12:40	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-118	1		09/28/22 12:40	460-00-4	
Toluene-d8 (S)	94	%	82-122	1		09/28/22 12:40	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**207**	mg/L	1.0	1		09/26/22 15:15		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**5.1**	mg/L	5.0	1		09/29/22 00:34	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.26**	mg/L	0.050	1		09/22/22 07:57	14797-55-8	
Nitrate-Nitrite (as N)	**0.26**	mg/L	0.050	1		09/22/22 07:57	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		09/22/22 04:17	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.56**	mg/L	0.10	1		09/26/22 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	10/03/22 18:10	10/03/22 20:01	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275424 | Analysis Method: RSK-175
QC Batch Method: RSK-175 | Analysis Description: RSK 175 HEADSPACE
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002, 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

METHOD BLANK: 1391825 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002, 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane, Dissolved	ug/L	<1.0	1.0	09/29/22 11:14	

LABORATORY CONTROL SAMPLE: 1391826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methane, Dissolved	ug/L	10.2	3.5	35	10-93	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1391827 1391828

Parameter	Units	70230003004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Methane, Dissolved	ug/L	264	2200	2200	3610	3180	152	132	10-185	13	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275258 | Analysis Method: EPA 6010C
QC Batch Method: EPA 3005A | Analysis Description: 6010 MET Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002, 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009

METHOD BLANK: 1391039 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002, 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	09/28/22 20:49	

LABORATORY CONTROL SAMPLE: 1391040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	11900	95	80-120	

MATRIX SPIKE SAMPLE: 1391045

Parameter	Units	70230003004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2040	5000	6790	95	75-125	

SAMPLE DUPLICATE: 1391044

Parameter	Units	70230003004 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	2040	2040	0	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 276202
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010C
Analysis Description: 6010 MET Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003010

METHOD BLANK: 1395207 Matrix: Water
Associated Lab Samples: 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	10/04/22 22:28	

LABORATORY CONTROL SAMPLE: 1395208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	11400	91	80-120	

MATRIX SPIKE SAMPLE: 1395210

Parameter	Units	70230411006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2440	5000	7360	98	75-125	

SAMPLE DUPLICATE: 1395209

Parameter	Units	70230411006 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	2440	2680	9	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274598
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002

METHOD BLANK: 1387004 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<1.0	1.0	09/21/22 19:21	
Ethylbenzene	ug/L	<1.0	1.0	09/21/22 19:21	
Toluene	ug/L	<1.0	1.0	09/21/22 19:21	
Xylene (Total)	ug/L	<3.0	3.0	09/21/22 19:21	
1,2-Dichloroethane-d4 (S)	%	90	81-122	09/21/22 19:21	
4-Bromofluorobenzene (S)	%	92	79-118	09/21/22 19:21	
Toluene-d8 (S)	%	94	82-122	09/21/22 19:21	

LABORATORY CONTROL SAMPLE: 1387005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.9	106	78-117	
Ethylbenzene	ug/L	50	48.6	97	79-115	
Toluene	ug/L	50	46.2	92	80-114	
Xylene (Total)	ug/L	150	150	100	80-118	
1,2-Dichloroethane-d4 (S)	%			90	81-122	
4-Bromofluorobenzene (S)	%			100	79-118	
Toluene-d8 (S)	%			94	82-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1388670 1388669

Parameter	Units	70229845001 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	52.5	51.7	105	103	70-130	2	
Ethylbenzene	ug/L	<1.0	50	50	49.9	46.7	100	93	70-126	7	
Toluene	ug/L	<1.0	50	50	49.4	47.4	99	95	76-123	4	
Xylene (Total)	ug/L	<3.0	150	150	157	146	105	97	78-123	7	
1,2-Dichloroethane-d4 (S)	%						93	91	81-122		
4-Bromofluorobenzene (S)	%						100	98	79-118		
Toluene-d8 (S)	%						94	91	82-122		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275392
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

METHOD BLANK: 1391720 Matrix: Water
Associated Lab Samples: 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<1.0	1.0	09/28/22 08:00	
Ethylbenzene	ug/L	<1.0	1.0	09/28/22 08:00	
Toluene	ug/L	<1.0	1.0	09/28/22 08:00	
Xylene (Total)	ug/L	<3.0	3.0	09/28/22 08:00	
1,2-Dichloroethane-d4 (S)	%	112	81-122	09/28/22 08:00	
4-Bromofluorobenzene (S)	%	95	79-118	09/28/22 08:00	
Toluene-d8 (S)	%	95	82-122	09/28/22 08:00	

LABORATORY CONTROL SAMPLE: 1391721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	46.8	94	78-117	
Ethylbenzene	ug/L	50	43.7	87	79-115	
Toluene	ug/L	50	43.7	87	80-114	
Xylene (Total)	ug/L	150	139	93	80-118	
1,2-Dichloroethane-d4 (S)	%			114	81-122	
4-Bromofluorobenzene (S)	%			103	79-118	
Toluene-d8 (S)	%			96	82-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1391722 1391723

Parameter	Units	70230003004 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	38.4	45.6	77	91	70-130	17	
Ethylbenzene	ug/L	<1.0	50	50	40.4	47.7	81	95	70-126	16	
Toluene	ug/L	<1.0	50	50	37.4	45.0	75	90	76-123	18	M1
Xylene (Total)	ug/L	<3.0	150	150	126	146	84	98	78-123	15	
1,2-Dichloroethane-d4 (S)	%						114	117	81-122		
4-Bromofluorobenzene (S)	%						102	81	79-118		
Toluene-d8 (S)	%						97	99	82-122		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274841
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270E SIM
Analysis Description: 8270E Water PAH by SIM MSSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002, 70230003004, 70230003005, 70230003006

METHOD BLANK: 1388446 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002, 70230003004, 70230003005, 70230003006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.020	0.020	09/27/22 14:56	
Acenaphthylene	ug/L	<0.020	0.020	09/27/22 14:56	
Anthracene	ug/L	<0.020	0.020	09/27/22 14:56	
Benzo(a)anthracene	ug/L	<0.020	0.020	09/27/22 14:56	
Benzo(a)pyrene	ug/L	<0.020	0.020	09/27/22 14:56	
Benzo(b)fluoranthene	ug/L	<0.020	0.020	09/27/22 14:56	
Benzo(g,h,i)perylene	ug/L	<0.020	0.020	09/27/22 14:56	
Benzo(k)fluoranthene	ug/L	<0.020	0.020	09/27/22 14:56	
Chrysene	ug/L	<0.020	0.020	09/27/22 14:56	
Dibenz(a,h)anthracene	ug/L	<0.020	0.020	09/27/22 14:56	
Fluoranthene	ug/L	<0.020	0.020	09/27/22 14:56	
Fluorene	ug/L	<0.020	0.020	09/27/22 14:56	
Indeno(1,2,3-cd)pyrene	ug/L	<0.020	0.020	09/27/22 14:56	
Naphthalene	ug/L	<0.020	0.020	09/27/22 14:56	
Phenanthrene	ug/L	<0.020	0.020	09/27/22 14:56	
Pyrene	ug/L	<0.020	0.020	09/27/22 14:56	
2-Methylnaphthalene-d10 (S)	%	54	44-146	09/27/22 14:56	
Fluoranthene-d10 (S)	%	82	40-112	09/27/22 14:56	

LABORATORY CONTROL SAMPLE: 1388447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	1	0.60	60	33-102	
Acenaphthylene	ug/L	1	0.62	62	35-104	
Anthracene	ug/L	1	0.73	73	41-109	
Benzo(a)anthracene	ug/L	1	0.79	79	39-127	
Benzo(a)pyrene	ug/L	1	0.80	80	40-126	
Benzo(b)fluoranthene	ug/L	1	0.90	90	39-144	
Benzo(g,h,i)perylene	ug/L	1	0.89	89	41-140	
Benzo(k)fluoranthene	ug/L	1	0.70	70	35-131	
Chrysene	ug/L	1	0.77	77	40-117	
Dibenz(a,h)anthracene	ug/L	1	0.88	88	42-139	
Fluoranthene	ug/L	1	0.76	76	43-117	
Fluorene	ug/L	1	0.64	64	38-102	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.92	92	39-139	
Naphthalene	ug/L	1	0.38	38	22-95	
Phenanthrene	ug/L	1	0.72	72	41-111	
Pyrene	ug/L	1	0.80	80	38-116	
2-Methylnaphthalene-d10 (S)	%			50	44-146	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

LABORATORY CONTROL SAMPLE: 1388447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoranthene-d10 (S)	%			78	40-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1389783 1389784

Parameter	Units	70230003004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Acenaphthene	ug/L	0.59	1	1	1.3	1.0	66	43	31-98	20	
Acenaphthylene	ug/L	0.10	1	1	0.77	0.57	65	45	41-114	31	R1
Anthracene	ug/L	<0.021	1	1	0.75	0.53	71	49	43-126	34	R1
Benzo(a)anthracene	ug/L	<0.021	1	1	0.80	0.59	75	54	36-143	31	R1
Benzo(a)pyrene	ug/L	0.021	1	1	0.81	0.59	76	55	34-141	31	R1
Benzo(b)fluoranthene	ug/L	0.022	1	1	0.78	0.58	73	53	32-160	29	
Benzo(g,h,i)perylene	ug/L	0.028	1	1	0.87	0.65	82	60	33-151	29	
Benzo(k)fluoranthene	ug/L	0.024	1	1	0.81	0.62	76	57	29-143	26	
Chrysene	ug/L	<0.021	1	1	0.75	0.56	71	52	34-134	30	
Dibenz(a,h)anthracene	ug/L	0.023	1	1	0.88	0.65	83	60	34-154	30	
Fluoranthene	ug/L	0.027	1	1	0.76	0.55	71	50	38-134	31	R1
Fluorene	ug/L	0.021	1	1	0.68	0.49	64	45	41-122	33	R1
Indeno(1,2,3-cd)pyrene	ug/L	0.027	1	1	0.91	0.67	85	62	28-156	30	
Naphthalene	ug/L	<0.021	1	1	0.48	0.34	45	31	27-117	36	R1
Phenanthrene	ug/L	<0.021	1	1	0.73	0.52	69	49	39-122	33	R1
Pyrene	ug/L	0.045	1	1	0.84	0.62	77	55	33-114	30	
2-Methylnaphthalene-d10 (S)	%						55	44	44-146		
Fluoranthene-d10 (S)	%						73	59	40-112		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275047
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270E SIM
Analysis Description: 8270E Water PAH by SIM MSSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003003, 70230003007, 70230003008, 70230003009, 70230003010

METHOD BLANK: 1389823 Matrix: Water
Associated Lab Samples: 70230003003, 70230003007, 70230003008, 70230003009, 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.020	0.020	09/27/22 17:10	
Acenaphthylene	ug/L	<0.020	0.020	09/27/22 17:10	
Anthracene	ug/L	<0.020	0.020	09/27/22 17:10	
Benzo(a)anthracene	ug/L	<0.020	0.020	09/27/22 17:10	
Benzo(a)pyrene	ug/L	<0.020	0.020	09/27/22 17:10	
Benzo(b)fluoranthene	ug/L	<0.020	0.020	09/27/22 17:10	
Benzo(g,h,i)perylene	ug/L	<0.020	0.020	09/27/22 17:10	
Benzo(k)fluoranthene	ug/L	<0.020	0.020	09/27/22 17:10	
Chrysene	ug/L	<0.020	0.020	09/27/22 17:10	
Dibenz(a,h)anthracene	ug/L	<0.020	0.020	09/27/22 17:10	
Fluoranthene	ug/L	<0.020	0.020	09/27/22 17:10	
Fluorene	ug/L	<0.020	0.020	09/27/22 17:10	
Indeno(1,2,3-cd)pyrene	ug/L	<0.020	0.020	09/27/22 17:10	
Naphthalene	ug/L	<0.020	0.020	09/27/22 17:10	
Phenanthrene	ug/L	<0.020	0.020	09/27/22 17:10	
Pyrene	ug/L	<0.020	0.020	09/27/22 17:10	
2-Methylnaphthalene-d10 (S)	%	55	44-146	09/27/22 17:10	
Fluoranthene-d10 (S)	%	81	40-112	09/27/22 17:10	

LABORATORY CONTROL SAMPLE & LCSD: 1389824 1389825

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.49	0.58	49	58	33-102	17	30	
Acenaphthylene	ug/L	1	0.50	0.60	50	60	35-104	18	30	
Anthracene	ug/L	1	0.60	0.68	60	68	41-109	13	30	
Benzo(a)anthracene	ug/L	1	0.74	0.83	74	83	39-127	10	30	
Benzo(a)pyrene	ug/L	1	0.71	0.83	71	83	40-126	15	30	
Benzo(b)fluoranthene	ug/L	1	0.88	0.81	88	81	39-144	8	30	
Benzo(g,h,i)perylene	ug/L	1	0.80	0.90	80	90	41-140	12	30	
Benzo(k)fluoranthene	ug/L	1	0.66	0.88	66	88	35-131	28	30	
Chrysene	ug/L	1	0.68	0.76	68	76	40-117	11	30	
Dibenz(a,h)anthracene	ug/L	1	0.79	0.89	79	89	42-139	12	30	
Fluoranthene	ug/L	1	0.67	0.74	67	74	43-117	10	30	
Fluorene	ug/L	1	0.53	0.61	53	61	38-102	14	30	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.83	0.93	83	93	39-139	12	30	
Naphthalene	ug/L	1	0.41	0.49	41	49	22-95	18	30	
Phenanthrene	ug/L	1	0.60	0.68	60	68	41-111	13	30	
Pyrene	ug/L	1	0.70	0.81	70	81	38-116	14	30	
2-Methylnaphthalene-d10 (S)	%				50	53	44-146			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

LABORATORY CONTROL SAMPLE & LCSD: 1389824 1389825

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Fluoranthene-d10 (S)	%				83	83	40-112			

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REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275611
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270E SIM
Analysis Description: 8270E Water PAH by SIM MSSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003010

METHOD BLANK: 1392736 Matrix: Water
Associated Lab Samples: 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.020	0.020	10/03/22 16:47	
Acenaphthylene	ug/L	<0.020	0.020	10/03/22 16:47	
Anthracene	ug/L	<0.020	0.020	10/03/22 16:47	
Benzo(a)anthracene	ug/L	<0.020	0.020	10/03/22 16:47	
Benzo(a)pyrene	ug/L	<0.020	0.020	10/03/22 16:47	
Benzo(b)fluoranthene	ug/L	<0.020	0.020	10/03/22 16:47	
Benzo(g,h,i)perylene	ug/L	<0.020	0.020	10/03/22 16:47	
Benzo(k)fluoranthene	ug/L	<0.020	0.020	10/03/22 16:47	
Chrysene	ug/L	<0.020	0.020	10/03/22 16:47	
Dibenz(a,h)anthracene	ug/L	<0.020	0.020	10/03/22 16:47	
Fluoranthene	ug/L	<0.020	0.020	10/03/22 16:47	
Fluorene	ug/L	<0.020	0.020	10/03/22 16:47	
Indeno(1,2,3-cd)pyrene	ug/L	<0.020	0.020	10/03/22 16:47	
Naphthalene	ug/L	<0.020	0.020	10/03/22 16:47	
Phenanthrene	ug/L	<0.020	0.020	10/03/22 16:47	
Pyrene	ug/L	<0.020	0.020	10/03/22 16:47	
2-Methylnaphthalene-d10 (S)	%	52	44-146	10/03/22 16:47	
Fluoranthene-d10 (S)	%	83	40-112	10/03/22 16:47	

LABORATORY CONTROL SAMPLE & LCSD: 1392737 1392738

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.57	0.57	57	57	33-102	0	30	
Acenaphthylene	ug/L	1	0.62	0.61	62	61	35-104	2	30	
Anthracene	ug/L	1	0.79	0.72	79	72	41-109	9	30	
Benzo(a)anthracene	ug/L	1	0.88	0.81	88	81	39-127	9	30	
Benzo(a)pyrene	ug/L	1	0.87	0.80	87	80	40-126	8	30	
Benzo(b)fluoranthene	ug/L	1	0.92	0.85	92	85	39-144	8	30	
Benzo(g,h,i)perylene	ug/L	1	0.94	0.87	94	87	41-140	9	30	
Benzo(k)fluoranthene	ug/L	1	0.78	0.70	78	70	35-131	11	30	
Chrysene	ug/L	1	0.82	0.76	82	76	40-117	8	30	
Dibenz(a,h)anthracene	ug/L	1	0.94	0.86	94	86	42-139	9	30	
Fluoranthene	ug/L	1	0.82	0.75	82	75	43-117	9	30	
Fluorene	ug/L	1	0.68	0.65	68	65	38-102	5	30	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.99	0.91	99	91	39-139	9	30	
Naphthalene	ug/L	1	0.35	0.36	35	36	22-95	4	30	
Phenanthrene	ug/L	1	0.77	0.71	77	71	41-111	8	30	
Pyrene	ug/L	1	0.86	0.79	86	79	38-116	8	30	
2-Methylnaphthalene-d10 (S)	%				51	52	44-146			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

LABORATORY CONTROL SAMPLE & LCSD: 1392737 1392738

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Fluoranthene-d10 (S)	%				87	85	40-112			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274660
QC Batch Method: SM22 2320B
Analysis Method: SM22 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002

METHOD BLANK: 1387598 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	09/22/22 10:18	

LABORATORY CONTROL SAMPLE: 1387599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	23.2	93	85-115	

MATRIX SPIKE SAMPLE: 1387601

Parameter	Units	70229913001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	61.0	50	111	100	75-125	

SAMPLE DUPLICATE: 1387600

Parameter	Units	70229913001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	61.0	61.8	1	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275034 | Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

METHOD BLANK: 1389786 Matrix: Water
Associated Lab Samples: 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	09/26/22 11:07	

LABORATORY CONTROL SAMPLE: 1389787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	26.2	105	85-115	

MATRIX SPIKE SAMPLE: 1389789

Parameter	Units	70230003004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	330	50	367	74	75-125	M1

SAMPLE DUPLICATE: 1389788

Parameter	Units	70230003004 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	330	334	1	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275301
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002

METHOD BLANK: 1391181 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<5.0	5.0	09/29/22 13:26	

LABORATORY CONTROL SAMPLE: 1391182

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	10	9.7	97	90-110	

MATRIX SPIKE SAMPLE: 1391183

Parameter	Units	70229969001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	<5.0	10	11.0	102	90-110	

MATRIX SPIKE SAMPLE: 1391185

Parameter	Units	70229969002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	<5.0	10	11.7	109	90-110	

SAMPLE DUPLICATE: 1391184

Parameter	Units	70229969001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	<5.0	<5.0		

SAMPLE DUPLICATE: 1391186

Parameter	Units	70229969002 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	<5.0	<5.0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275302 | 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: 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

METHOD BLANK: 1391188 Matrix: Water
Associated Lab Samples: 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<5.0	5.0	09/28/22 20:30	

LABORATORY CONTROL SAMPLE: 1391189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	10	9.9	99	90-110	

MATRIX SPIKE SAMPLE: 1391190

Parameter	Units	70230003004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	67.2	10	76.2	89	90-110	M1

MATRIX SPIKE SAMPLE: 1391192

Parameter	Units	70230326001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	44.3	10	53.9	96	90-110	

SAMPLE DUPLICATE: 1391191

Parameter	Units	70230003004 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	67.2	66.9	0	

SAMPLE DUPLICATE: 1391193

Parameter	Units	70230326001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	44.3	43.9	1	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274393
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002

METHOD BLANK: 1385841 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.027	0.027	09/20/22 20:47	

LABORATORY CONTROL SAMPLE: 1385842

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.1	105	90-110	

MATRIX SPIKE SAMPLE: 1385843

Parameter	Units	70229869001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.65	129	90-110	H1,M1

MATRIX SPIKE SAMPLE: 1385845

Parameter	Units	70229995001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.55	108	90-110	

SAMPLE DUPLICATE: 1385844

Parameter	Units	70229869001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		H1

SAMPLE DUPLICATE: 1385846

Parameter	Units	70229995001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274605 | 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: 70230003003, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

METHOD BLANK: 1387111 Matrix: Water
Associated Lab Samples: 70230003003, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.027	0.027	09/22/22 03:40	

LABORATORY CONTROL SAMPLE: 1387112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 1387113

Parameter	Units	70230277001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.43	87	90-110	M1

MATRIX SPIKE SAMPLE: 1387137

Parameter	Units	70230278003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.51	101	90-110	

SAMPLE DUPLICATE: 1387114

Parameter	Units	70230277001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1387138

Parameter	Units	70230278003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Melville, NY 11747
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QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274608
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003004

METHOD BLANK: 1387147 Matrix: Water
Associated Lab Samples: 70230003004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.027	0.027	09/22/22 04:18	

LABORATORY CONTROL SAMPLE: 1387148

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: 1387149

Parameter	Units	70230003004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.54	107	90-110	

SAMPLE DUPLICATE: 1387150

Parameter	Units	70230003004 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
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QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274402
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002

METHOD BLANK: 1385866 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.037	0.037	09/20/22 22:10	

LABORATORY CONTROL SAMPLE: 1385867

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.1	109	90-110	

MATRIX SPIKE SAMPLE: 1385868

Parameter	Units	70229869001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	8.3	2.5	10.2	74	90-110	H1,M1

MATRIX SPIKE SAMPLE: 1385870

Parameter	Units	70229993001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.22	44	90-110	M1

SAMPLE DUPLICATE: 1385869

Parameter	Units	70229869001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	8.3	7.9	6	H1

SAMPLE DUPLICATE: 1385871

Parameter	Units	70229993001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274614 | 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: 70230003004, 70230003005, 70230003006

METHOD BLANK: 1387270 Matrix: Water
Associated Lab Samples: 70230003004, 70230003005, 70230003006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.037	0.037	09/22/22 06:37	

LABORATORY CONTROL SAMPLE: 1387271

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

MATRIX SPIKE SAMPLE: 1387272

Parameter	Units	70230091002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.11	0.5	0.73	124	90-110	M1

MATRIX SPIKE SAMPLE: 1387274

Parameter	Units	70230003004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.54	106	90-110	

SAMPLE DUPLICATE: 1387273

Parameter	Units	70230091002 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.11	0.11	3	

SAMPLE DUPLICATE: 1387275

Parameter	Units	70230003004 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274615 | 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: 70230003003, 70230003007, 70230003008, 70230003009, 70230003010

METHOD BLANK: 1387276 Matrix: Water
Associated Lab Samples: 70230003003, 70230003007, 70230003008, 70230003009, 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.037	0.037	09/22/22 07:18	

LABORATORY CONTROL SAMPLE: 1387277

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

MATRIX SPIKE SAMPLE: 1387278

Parameter	Units	70230278004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.56	0.5	1.1	104	90-110	

MATRIX SPIKE SAMPLE: 1387280

Parameter	Units	70230268006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.6	2.5	5.9	91	90-110	

SAMPLE DUPLICATE: 1387279

Parameter	Units	70230278004 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.56	0.51	9	

SAMPLE DUPLICATE: 1387281

Parameter	Units	70230268006 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.6	3.5	5	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274640
QC Batch Method: SM22 4500 NH3 H
Analysis Method: SM22 4500 NH3 H
Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002

METHOD BLANK: 1387539 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.050	0.050	09/22/22 12:53	

LABORATORY CONTROL SAMPLE: 1387540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.96	96	90-110	

MATRIX SPIKE SAMPLE: 1387541

Parameter	Units	70230021001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	22.7	10	31.2	85	75-125	

SAMPLE DUPLICATE: 1387542

Parameter	Units	70230021001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	22.7	22.5	1	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275044
QC Batch Method: SM22 4500 NH3 H
Analysis Method: SM22 4500 NH3 H
Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003003, 70230003004, 70230003005

METHOD BLANK: 1389811 Matrix: Water
Associated Lab Samples: 70230003003, 70230003004, 70230003005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.050	0.050	09/26/22 13:17	

LABORATORY CONTROL SAMPLE: 1389812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.97	97	90-110	

MATRIX SPIKE SAMPLE: 1389813

Parameter	Units	70230003004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.43	1	1.4	99	75-125	

SAMPLE DUPLICATE: 1389814

Parameter	Units	70230003004 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.43	0.44	2	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 275045 | 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: 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

METHOD BLANK: 1389819 Matrix: Water
Associated Lab Samples: 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.050	0.050	09/26/22 13:49	

LABORATORY CONTROL SAMPLE: 1389820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1389821

Parameter	Units	70230522003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	1	0.91	87	75-125	

SAMPLE DUPLICATE: 1389822

Parameter	Units	70230522003 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	<0.10		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 274643
QC Batch Method: EPA 9010C
Analysis Method: EPA 9014 Total Cyanide
Analysis Description: 9014 Cyanide, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003001, 70230003002

METHOD BLANK: 1387551 Matrix: Water
Associated Lab Samples: 70230003001, 70230003002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	09/22/22 19:09	

LABORATORY CONTROL SAMPLE: 1387552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	73.8	98	85-115	

MATRIX SPIKE SAMPLE: 1387553

Parameter	Units	70229354004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	105	104	75-125	

SAMPLE DUPLICATE: 1387554

Parameter	Units	70229354004 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

QC Batch: 276025
QC Batch Method: EPA 9010C
Analysis Method: EPA 9014 Total Cyanide
Analysis Description: 9014 Cyanide, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

METHOD BLANK: 1394509 Matrix: Water
Associated Lab Samples: 70230003003, 70230003004, 70230003005, 70230003006, 70230003007, 70230003008, 70230003009, 70230003010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	10/03/22 19:52	

LABORATORY CONTROL SAMPLE: 1394510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	70.1	94	85-115	

MATRIX SPIKE SAMPLE: 1394511

Parameter	Units	70230003004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	10.2	100	92.4	82	75-125	

SAMPLE DUPLICATE: 1394512

Parameter	Units	70230003004 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	10.2	<10.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

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.

BATCH QUALIFIERS

Batch: 275517

[1] The post digestion spike for sample 70230003004 (PDS 1392171) exceeded acceptance criteria for Calcium, and Sodium.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
H1	Analysis conducted outside the EPA method holding time.
H2	Extraction or preparation conducted outside EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
S8	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-extraction and/or re-analysis)

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70230003001	**MW-C16**	RSK-175	275424	RSK-175	276094
70230003002	**MW-13S**	RSK-175	275424	RSK-175	276094
70230003003	**MW-24S**	RSK-175	275424	RSK-175	276094
70230003004	**MW-C11**	RSK-175	275424	RSK-175	276094
70230003005	**MW-C12**	RSK-175	275424	RSK-175	276094
70230003006	**DUP**	RSK-175	275424	RSK-175	276094
70230003007	**MW-45S**	RSK-175	275424	RSK-175	276094
70230003008	**MW-40**	RSK-175	275424	RSK-175	276094
70230003009	**MW-31S**	RSK-175	275424	RSK-175	276094
70230003010	**MW-23S**	RSK-175	275424	RSK-175	276094
70230003001	**MW-C16**	EPA 3005A	275258	EPA 6010C	275517
70230003002	**MW-13S**	EPA 3005A	275258	EPA 6010C	275517
70230003003	**MW-24S**	EPA 3005A	275258	EPA 6010C	275517
70230003004	**MW-C11**	EPA 3005A	275258	EPA 6010C	275517
70230003005	**MW-C12**	EPA 3005A	275258	EPA 6010C	275517
70230003006	**DUP**	EPA 3005A	275258	EPA 6010C	275517
70230003007	**MW-45S**	EPA 3005A	275258	EPA 6010C	275517
70230003008	**MW-40**	EPA 3005A	275258	EPA 6010C	275517
70230003009	**MW-31S**	EPA 3005A	275258	EPA 6010C	275517
70230003010	**MW-23S**	EPA 3005A	276202	EPA 6010C	276283
70230003001	**MW-C16**	EPA 3510C	274841	EPA 8270E SIM	275037
70230003002	**MW-13S**	EPA 3510C	274841	EPA 8270E SIM	275037
70230003003	**MW-24S**	EPA 3510C	275047	EPA 8270E SIM	275126
70230003004	**MW-C11**	EPA 3510C	274841	EPA 8270E SIM	275037
70230003005	**MW-C12**	EPA 3510C	274841	EPA 8270E SIM	275037
70230003006	**DUP**	EPA 3510C	274841	EPA 8270E SIM	275037
70230003007	**MW-45S**	EPA 3510C	275047	EPA 8270E SIM	275126
70230003008	**MW-40**	EPA 3510C	275047	EPA 8270E SIM	275126
70230003009	**MW-31S**	EPA 3510C	275047	EPA 8270E SIM	275126
70230003010	**MW-23S**	EPA 3510C	275047	EPA 8270E SIM	275126
70230003010	**MW-23S**	EPA 3510C	275611	EPA 8270E SIM	275879
70230003001	**MW-C16**	EPA 8260C/5030C	274598		
70230003002	**MW-13S**	EPA 8260C/5030C	274598		
70230003003	**MW-24S**	EPA 8260C/5030C	275392		
70230003004	**MW-C11**	EPA 8260C/5030C	275392		
70230003005	**MW-C12**	EPA 8260C/5030C	275392		
70230003006	**DUP**	EPA 8260C/5030C	275392		
70230003007	**MW-45S**	EPA 8260C/5030C	275392		
70230003008	**MW-40**	EPA 8260C/5030C	275392		
70230003009	**MW-31S**	EPA 8260C/5030C	275392		
70230003010	**MW-23S**	EPA 8260C/5030C	275392		
70230003001	**MW-C16**	SM22 2320B	274660		
70230003002	**MW-13S**	SM22 2320B	274660		

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70230003003	**MW-24S**	SM22 2320B	275034		
70230003004	**MW-C11**	SM22 2320B	275034		
70230003005	**MW-C12**	SM22 2320B	275034		
70230003006	**DUP**	SM22 2320B	275034		
70230003007	**MW-45S**	SM22 2320B	275034		
70230003008	**MW-40**	SM22 2320B	275034		
70230003009	**MW-31S**	SM22 2320B	275034		
70230003010	**MW-23S**	SM22 2320B	275034		
70230003001	**MW-C16**	EPA 300.0	275301		
70230003002	**MW-13S**	EPA 300.0	275301		
70230003003	**MW-24S**	EPA 300.0	275302		
70230003004	**MW-C11**	EPA 300.0	275302		
70230003005	**MW-C12**	EPA 300.0	275302		
70230003006	**DUP**	EPA 300.0	275302		
70230003007	**MW-45S**	EPA 300.0	275302		
70230003008	**MW-40**	EPA 300.0	275302		
70230003009	**MW-31S**	EPA 300.0	275302		
70230003010	**MW-23S**	EPA 300.0	275302		
70230003001	**MW-C16**	EPA 353.2	274402		
70230003002	**MW-13S**	EPA 353.2	274402		
70230003003	**MW-24S**	EPA 353.2	274615		
70230003004	**MW-C11**	EPA 353.2	274614		
70230003005	**MW-C12**	EPA 353.2	274614		
70230003006	**DUP**	EPA 353.2	274614		
70230003007	**MW-45S**	EPA 353.2	274615		
70230003008	**MW-40**	EPA 353.2	274615		
70230003009	**MW-31S**	EPA 353.2	274615		
70230003010	**MW-23S**	EPA 353.2	274615		
70230003001	**MW-C16**	EPA 353.2	274393		
70230003002	**MW-13S**	EPA 353.2	274393		
70230003003	**MW-24S**	EPA 353.2	274605		
70230003004	**MW-C11**	EPA 353.2	274608		
70230003005	**MW-C12**	EPA 353.2	274605		
70230003006	**DUP**	EPA 353.2	274605		
70230003007	**MW-45S**	EPA 353.2	274605		
70230003008	**MW-40**	EPA 353.2	274605		
70230003009	**MW-31S**	EPA 353.2	274605		
70230003010	**MW-23S**	EPA 353.2	274605		
70230003001	**MW-C16**	SM22 4500 NH3 H	274640		
70230003002	**MW-13S**	SM22 4500 NH3 H	274640		
70230003003	**MW-24S**	SM22 4500 NH3 H	275044		
70230003004	**MW-C11**	SM22 4500 NH3 H	275044		
70230003005	**MW-C12**	SM22 4500 NH3 H	275044		

Pace Analytical Services, LLC
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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYSEG-ITHICA COURT STREET PROJ
Pace Project No.: 70230003

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70230003006	**DUP**	SM22 4500 NH3 H	275045		
70230003007	**MW-45S**	SM22 4500 NH3 H	275045		
70230003008	**MW-40**	SM22 4500 NH3 H	275045		
70230003009	**MW-31S**	SM22 4500 NH3 H	275045		
70230003010	**MW-23S**	SM22 4500 NH3 H	275045		
70230003001	**MW-C16**	EPA 9010C	274643	EPA 9014 Total Cyanide	274775
70230003002	**MW-13S**	EPA 9010C	274643	EPA 9014 Total Cyanide	274775
70230003003	**MW-24S**	EPA 9010C	276025	EPA 9014 Total Cyanide	276178
70230003004	**MW-C11**	EPA 9010C	276025	EPA 9014 Total Cyanide	276178
70230003005	**MW-C12**	EPA 9010C	276025	EPA 9014 Total Cyanide	276178
70230003006	**DUP**	EPA 9010C	276025	EPA 9014 Total Cyanide	276178
70230003007	**MW-45S**	EPA 9010C	276025	EPA 9014 Total Cyanide	276178
70230003008	**MW-40**	EPA 9010C	276025	EPA 9014 Total Cyanide	276178
70230003009	**MW-31S**	EPA 9010C	276025	EPA 9014 Total Cyanide	276178
70230003010	**MW-23S**	EPA 9010C	276025	EPA 9014 Total Cyanide	276178

WO#: 70230003

70230003

CHAIN-OF-CUSTO

Pace

The Chain-of-Custody is a LE ...aly.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace T ...rd-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GEI Consultants	Report To:	Breana Pabst	Attention:	
Address:	1301 Trumansburg Rd	Copy To:		Company Name:	
Suite N, Ithaca, NY 14850				Address:	
Email:	bpabst@geiconsultants.com	Purchase Order #:		Pace Quote:	
Phone:	607-216-8955 Fax	Project Name:	NYSEG- ITHACA COURT STREET PROJECT	Pace Project Manager:	latoya.sobratie@pacelabs.com
Requested Due Date:		Project #:	2202159	Pace Profile #:	9816

Regulatory Agency

State / Location: NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	BTEX 8260	8270 SIM PAH list	Cyanide	Sulfate, Alkalinity, Nitrite	Nitrate, Ammonia	RSK Methane	Total Iron by 6010	Ferrous Iron	Residual Chlorine (Y/N)
1	MW-24S	WT	G	9/20	755	9/20	755		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
2	MW-C11	WT	G	9/20	830	9/20	830		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
3	MW-C11_MS	WT	G	9/20	830	9/20	830		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
4	MW-C11_MSD	WT	G	9/20	830	9/20	830		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
5	MW-C12	WT	G	9/20	930	9/20	930		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
6	DUP	WT	G	9/20	[illegible]	9/20	930		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
7	MW-45S	WT	G	9/20	1145	9/20	1145		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
8	MW-40	WT	G	9/20	1300	9/20	1300		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
9	MW-31S	WT	G	9/20	1425	9/20	1425		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
10	MW-23S	WT	G	9/2	1455	9/20	1455		11	3	1	2	4	1					X	X	X	X	X	X	X	X	
11																			X	X	X	X	X	X	X	X	
12																			X	X	X	X	X	X	X	X	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Ferrous iron rubbed	Breana Pabst / GEI	9/20/22	1600	[signature]	9/20	16:00	
out to Pace NE	[signature]	9/20	18:30	[signature] pace-4	9/21/22	10:00	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Breana Pabst

SIGNATURE of SAMPLER: [signature] DATE Signed: 9/20/22

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

WO#: 70230003

WO#: 70230003

PM: BDR Due Date: 10/04/22

CLIENT: GEI-I

Pace

CHAIN-OF-CUSTODY / A

The Chain-of-Custody is a LEGAL DO

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and

Section A	Section B	Section C
Required Client Information:	Required Project Information:	Invoice Information:
Company: GEI Consultants	Report To: Mallory Smith Breana Pabst	Attention:
Address: 1301 Trumansburg Rd	Copy To:	Company Name:
Suite N, Ithaca, NY 14850		Address:
Email: msmith@geiconsultants.com BPabst	Purchase Order #	Pace Quote:
Phone: 607-216-8555 Fax	Project Name: NYSEG- ITHACA COURT STREET PROJECT	Pace Project Manager:
Requested Due Date:	Project #:	Pace Profile #: 9816

NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: Y/N	BTEX 8260	8270 SIM PAH list	Cyanide	Sulfate, Alkalinity, Nitrite	Nitrate, Ammonia	RSK Methane	Total Iron by 6010	Ferrous Iron	Residual Chlorine (Y/N)
1	~~MW-C1~~	WT																	X	X	X	X	X	X	X	X		
2	~~MW-C12~~	WT																	X	X	X	X	X	X	X	X		
3	MW-C16	WT		9/19	1100	9/19	1100		11	X	X	X	X	X					X	X	X	X	X	X	X	X		
4	~~MW-Z0~~	WT																	X	X	X	X	X	X	X	X		
5	~~MW-Z15~~	WT																	X	X	X	X	X	X	X	X		
6	~~MW-Z16~~	WT																	X	X	X	X	X	X	X	X		
7	~~MW-Z17~~	WT																	X	X	X	X	X	X	X	X		
8	MW-135	WT		9/19	1100	9/19	1100		11	X	X	X	X	X					X	X	X	X	X	X	X	X		
9	~~MW-Z18~~	WT																	X	X	X	X	X	X	X	X		
10	~~MW-Z19~~	WT																	X	X	X	X	X	X	X	X		
11	~~MW-20~~	WT																	X	X	X	X	X	X	X	X		
12	~~MW-Z5~~	WT																	X	X	X	X	X	X	X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Ferrous Iron Subbed to Pace NE	Breana Pabst / GEI	9/19	16:04		9/19	16:04	
		9/19	18:00		9/19/22	10:25	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Breana Pabst

SIGNATURE of SAMPLER: Breana Pabst DATE Signed: 9/19/22

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical®

Sample Condition Upon

WO#: 70230003

PM: BDR **Due Date: 10/04/22**

CLIENT: GEI-I

Client Name: GEI-I

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

Tracking #: 7179 7410 8250

Custody Seal on Cooler/Box Present: ☐Yes ☐No Seals intact: ☑Yes ☐No ☐N/A

Packing Material: ☐Bubble Wrap ☐Bubble Bags ☑Ziploc ☐None ☐Other

Thermometer Used: ~~TH09~~ TH148 Correction Factor: + 0.1

Cooler Temperature(°C): 1.4 Cooler Temperature Corrected(°C): 1.5

Temp should be above freezing to 6.0°C

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

Temperature Blank Present: ☐Yes ☑No

Type of Ice: ☑Wet Blue None

☐Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: KJ 9/29/22

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 ☐No

Did samples orignate 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 SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for I	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/ Matrix: SL WT OIL				
All containers needing preservation have been checked?	☑Yes	☐No	☐N/A	13. ☐HNO_3 ☐H_2SO_4 ☐NaOH ☐HCl
pH paper Lot # HC254572				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑Yes	☐No	☐N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water), Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	16.
Trip Blank Present:	☐Yes	☑No	☐N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable)				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

ENV-FRM-MELV-0024 01

Pace Analytical®

Sample Condition Upon Receipt

WO# : 70230003

PM: BDR **Due Date: 10/04/22**

CLIENT: GEI-I

Client Name: GEI-1 Pro

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

Tracking #: 7779 8711 2437

Custody Seal on Cooler/Box Present: ☒Yes ☐No Seals intact: ☒Yes ☐No ☐N/A

Packing Material: ☐Bubble Wrap ☒Bubble Bags ☒Ziploc ☐None ☐Other

Thermometer Used: ~~TH091~~ TH148 Correction Factor: + 0.1

Cooler Temperature(°C): 1.1 Cooler Temperature Corrected(°C): 1.2

Temp should be above freezing to 6.0°C

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

Temperature Blank Present: ☐Yes ☐No

Type of Ice: Wet Blue None

☐Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: KW 9/21/22

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 ☐No

Did 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 SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for I	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Matrix: SL WT OIL				
All containers needing preservation have been checked?	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC148594				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑Yes	☐No	☐N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	16.
Trip Blank Present:	☐Yes	☑No	☐N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

November 18, 2022

Bruce Coulombe
GEI Consultants
1301 Trumansburg Rd
Ithaca, NY 14850

RE: Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Dear Bruce Coulombe:

Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 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,

Brianna D. Rivera
brianna.rivera@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Breana Pabst, GEI Consultants

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **RSK-175**
Description: RSK 175 Dissolved Gases
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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.

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **EPA 6010C**
Description: 6010 MET ICP
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **EPA 8270E SIM**
Description: 8270E MSSV PAH by SIM
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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-22S (Lab ID: 70230444001)
- MW-25S (Lab ID: 70230444002)
- MW-33S (Lab ID: 70230444003)
- MW-46S (Lab ID: 70230444004)
- MW-47S (Lab ID: 70230444005)
- MW-48S (Lab ID: 70230444006)

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.

QC Batch: 275175

S0: Surrogate recovery outside laboratory control limits.
- LCS (Lab ID: 1390720)
  - 2-Methylnaphthalene-d10 (S)
- MW-33S (Lab ID: 70230444003)
  - 2-Methylnaphthalene-d10 (S)

QC Batch: 275819

S0: Surrogate recovery outside laboratory control limits.
- MW-47S (Lab ID: 70230444005)
  - 2-Methylnaphthalene-d10 (S)

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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **EPA 8270E SIM**
Description: 8270E MSSV PAH by SIM
Client: GEI Consultants
Date: November 18, 2022

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 275819

R1: RPD value was outside control limits.
- LCSD (Lab ID: 1393493)
  - Benzo(k)fluoranthene

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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.

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **SM22 2320B**
Description: 2320B Alkalinity
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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.

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **EPA 300.0**
Description: 300.0 IC Anions 28 Days
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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.

QC Batch: 275536

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230411006,70230522001

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

- MS (Lab ID: 1392251)
  - Sulfate

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 unpres
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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.

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: 274805

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230411006,70230434001

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

- MS (Lab ID: 1388365)
  - Nitrate-Nitrite (as N)

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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.

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: 274801

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230434001,70230535005

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

- MS (Lab ID: 1388343)
  - Nitrite as N

QC Batch: 274802

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230306005,70230411006

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

- MS (Lab ID: 1388349)
  - Nitrite as N

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **SM22 4500 NH3 H**
Description: 4500 Ammonia Water
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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.

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

Additional Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Method: **EPA 9014 Total Cyanide**
Description: 9014 Cyanide, Total
Client: GEI Consultants
Date: November 18, 2022

General Information:
6 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.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-22S **Lab ID: 70230444001** Collected: 09/21/22 08:55 Received: 09/22/22 10:15 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	**1050**	ug/L	215	215	09/28/22 13:02	09/30/22 12:31	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**8220**	ug/L	100	1	10/04/22 10:39	10/04/22 23:47	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**1.4**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	83-32-9	
Acenaphthene	**1.4**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	83-32-9	H2
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	208-96-8	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	208-96-8	H2
Anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	120-12-7	
Anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	120-12-7	H2
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	56-55-3	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	50-32-8	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	205-99-2	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	191-24-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	207-08-9	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	207-08-9	H2
Chrysene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	218-01-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	53-70-3	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	53-70-3	H2
Fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	206-44-0	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	206-44-0	H2
Fluorene	**0.021**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	86-73-7	
Fluorene	**0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	193-39-5	H2
Naphthalene	**0.22**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	91-20-3	
Naphthalene	**0.25**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	91-20-3	H2
Phenanthrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	85-01-8	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	85-01-8	H2
Pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:23	129-00-0	
Pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:19	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	73	%	40-112	1	09/30/22 11:52	10/04/22 20:19	93951-69-0	
Fluoranthene-d10 (S)	73	%	40-112	1	09/27/22 11:02	09/28/22 21:23	93951-69-0	
2-Methylnaphthalene-d10 (S)	58	%	44-146	1	09/30/22 11:52	10/04/22 20:19	7297-45-2	
2-Methylnaphthalene-d10 (S)	53	%	44-146	1	09/27/22 11:02	09/28/22 21:23	7297-45-2	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-22S **Lab ID: 70230444001** Collected: 09/21/22 08:55 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**13.4**	ug/L	1.0	1		09/29/22 19:40	71-43-2	
Ethylbenzene	**10.6**	ug/L	1.0	1		09/29/22 19:40	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 19:40	108-88-3	
Xylene (Total)	**5.6**	ug/L	3.0	1		09/29/22 19:40	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	81-122	1		09/29/22 19:40	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-118	1		09/29/22 19:40	460-00-4	
Toluene-d8 (S)	114	%	82-122	1		09/29/22 19:40	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**347**	mg/L	1.0	1		09/27/22 14:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**187**	mg/L	25.0	5		10/04/22 05:49	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		09/23/22 01:37	14797-55-8	
Nitrate-Nitrite (as N)	**0.072**	mg/L	0.050	1		09/23/22 01:37	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		09/22/22 23:08	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**3.3**	mg/L	0.10	1		09/26/22 14:00	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**104**	ug/L	10.0	1	10/04/22 14:40	10/04/22 19:30	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-25S **Lab ID: 70230444002** Collected: 09/21/22 07:55 Received: 09/22/22 10:15 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	**<215**	ug/L	215	215	09/28/22 13:02	09/30/22 13:06	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**1060**	ug/L	100	1	10/04/22 10:39	10/04/22 23:50	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	09/27/22 11:02	09/28/22 21:54	83-32-9	
Acenaphthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	83-32-9	H2
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	208-96-8	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	208-96-8	H2
Anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	120-12-7	
Anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	120-12-7	H2
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	56-55-3	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	50-32-8	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	205-99-2	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	191-24-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	207-08-9	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	207-08-9	H2
Chrysene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	218-01-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	53-70-3	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	53-70-3	H2
Fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	206-44-0	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	206-44-0	H2
Fluorene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	86-73-7	
Fluorene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	193-39-5	H2
Naphthalene	**0.085**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	91-20-3	
Naphthalene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	91-20-3	H2
Phenanthrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	85-01-8	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	85-01-8	H2
Pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 21:54	129-00-0	
Pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 20:50	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	55	%	40-112	1	09/27/22 11:02	09/28/22 21:54	93951-69-0	
Fluoranthene-d10 (S)	66	%	40-112	1	09/30/22 11:52	10/04/22 20:50	93951-69-0	
2-Methylnaphthalene-d10 (S)	48	%	44-146	1	09/27/22 11:02	09/28/22 21:54	7297-45-2	
2-Methylnaphthalene-d10 (S)	53	%	44-146	1	09/30/22 11:52	10/04/22 20:50	7297-45-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-25S **Lab ID: 70230444002** Collected: 09/21/22 07:55 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/29/22 19:59	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/29/22 19:59	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 19:59	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/29/22 19:59	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	81-122	1		09/29/22 19:59	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-118	1		09/29/22 19:59	460-00-4	
Toluene-d8 (S)	115	%	82-122	1		09/29/22 19:59	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**559**	mg/L	1.0	1		09/27/22 14:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**111**	mg/L	25.0	5		10/04/22 06:03	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.11**	mg/L	0.050	1		09/23/22 01:34	14797-55-8	
Nitrate-Nitrite (as N)	**0.13**	mg/L	0.050	1		09/23/22 01:34	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		09/22/22 23:01	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**0.46**	mg/L	0.10	1		09/26/22 14:01	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C Pace Analytical Services - Melville							
Cyanide	**20.1**	ug/L	10.0	1	10/04/22 14:40	10/04/22 19:31	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-33S **Lab ID: 70230444003** Collected: 09/21/22 09:30 Received: 09/22/22 10:15 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	**754**	ug/L	215	215	09/28/22 13:02	09/30/22 12:55	74-82-8	B
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**15300**	ug/L	100	1	10/04/22 10:39	10/04/22 23:53	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	09/27/22 11:02	09/28/22 22:24	83-32-9	
Acenaphthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	83-32-9	H2
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	208-96-8	
Acenaphthylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	208-96-8	H2
Anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	120-12-7	
Anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	120-12-7	H2
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	56-55-3	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	50-32-8	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	205-99-2	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	191-24-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	207-08-9	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	207-08-9	H2
Chrysene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	218-01-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	53-70-3	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	53-70-3	H2
Fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	206-44-0	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	206-44-0	H2
Fluorene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	86-73-7	
Fluorene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	193-39-5	H2
Naphthalene	**0.083**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	91-20-3	
Naphthalene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	91-20-3	H2
Phenanthrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	85-01-8	
Phenanthrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	85-01-8	H2
Pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:24	129-00-0	
Pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:20	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	74	%	40-112	1	09/30/22 11:52	10/04/22 21:20	93951-69-0	
Fluoranthene-d10 (S)	69	%	40-112	1	09/27/22 11:02	09/28/22 22:24	93951-69-0	
2-Methylnaphthalene-d10 (S)	55	%	44-146	1	09/30/22 11:52	10/04/22 21:20	7297-45-2	
2-Methylnaphthalene-d10 (S)	41	%	44-146	1	09/27/22 11:02	09/28/22 22:24	7297-45-2	S0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-33S **Lab ID: 70230444003** Collected: 09/21/22 09:30 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/29/22 20:19	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/29/22 20:19	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 20:19	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/29/22 20:19	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	81-122	1		09/29/22 20:19	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-118	1		09/29/22 20:19	460-00-4	
Toluene-d8 (S)	113	%	82-122	1		09/29/22 20:19	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**425**	mg/L	1.0	1		09/27/22 15:14		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**16.9**	mg/L	5.0	1		10/02/22 01:06	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		09/23/22 01:46	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/23/22 01:46	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		09/22/22 23:16	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**3.1**	mg/L	0.10	1		09/26/22 14:02	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	10/04/22 14:40	10/04/22 19:32	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-46S **Lab ID: 70230444004** Collected: 09/21/22 10:50 Received: 09/22/22 10:15 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	**3590**	ug/L	255	255	09/28/22 13:02	09/30/22 13:47	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**2970**	ug/L	100	1	10/06/22 09:07	10/06/22 21:45	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**22.6**	ug/L	1.0	50	09/27/22 11:02	10/07/22 20:57	83-32-9	
Acenaphthene	**19.3**	ug/L	1.0	50	09/30/22 11:52	10/07/22 21:28	83-32-9	H2
Acenaphthylene	**0.79**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	208-96-8	
Acenaphthylene	**0.73**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	208-96-8	H2
Anthracene	**0.80**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	120-12-7	
Anthracene	**0.77**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	120-12-7	H2
Benzo(a)anthracene	**0.21**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	56-55-3	
Benzo(a)anthracene	**0.26**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	56-55-3	H2
Benzo(a)pyrene	**0.14**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	50-32-8	
Benzo(a)pyrene	**0.18**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	50-32-8	H2
Benzo(b)fluoranthene	**0.093**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	205-99-2	
Benzo(b)fluoranthene	**0.13**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	205-99-2	H2
Benzo(g,h,i)perylene	**0.048**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	191-24-2	
Benzo(g,h,i)perylene	**0.064**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	191-24-2	H2
Benzo(k)fluoranthene	**0.046**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	207-08-9	
Benzo(k)fluoranthene	**0.057**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	207-08-9	H2
Chrysene	**0.19**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	218-01-9	
Chrysene	**0.23**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	53-70-3	
Dibenz(a,h)anthracene	**0.023**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	53-70-3	H2
Fluoranthene	**0.53**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	206-44-0	
Fluoranthene	**0.57**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	206-44-0	H2
Fluorene	**4.2**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	86-73-7	
Fluorene	**3.6**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**0.037**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	193-39-5	
Indeno(1,2,3-cd)pyrene	**0.050**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	193-39-5	H2
Naphthalene	**240**	ug/L	1.0	50	09/27/22 11:02	10/07/22 20:57	91-20-3	
Naphthalene	**162**	ug/L	1.0	50	09/30/22 11:52	10/07/22 21:28	91-20-3	H2
Phenanthrene	**2.8**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	85-01-8	
Phenanthrene	**2.4**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	85-01-8	H2
Pyrene	**0.99**	ug/L	0.020	1	09/27/22 11:02	09/28/22 22:54	129-00-0	
Pyrene	**1.0**	ug/L	0.020	1	09/30/22 11:52	10/04/22 21:51	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	65	%	40-112	1	09/30/22 11:52	10/04/22 21:51	93951-69-0	
Fluoranthene-d10 (S)	68	%	40-112	1	09/27/22 11:02	09/28/22 22:54	93951-69-0	
2-Methylnaphthalene-d10 (S)	48	%	44-146	1	09/27/22 11:02	09/28/22 22:54	7297-45-2	
2-Methylnaphthalene-d10 (S)	50	%	44-146	1	09/30/22 11:52	10/04/22 21:51	7297-45-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-46S **Lab ID: 70230444004** Collected: 09/21/22 10:50 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**278**	ug/L	5.0	5		09/29/22 23:11	71-43-2	
Ethylbenzene	**256**	ug/L	5.0	5		09/29/22 23:11	100-41-4	
Toluene	**1.4**	ug/L	1.0	1		09/29/22 20:38	108-88-3	
Xylene (Total)	**61.8**	ug/L	3.0	1		09/29/22 20:38	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	81-122	1		09/29/22 20:38	17060-07-0	
4-Bromofluorobenzene (S)	90	%	79-118	1		09/29/22 20:38	460-00-4	
Toluene-d8 (S)	114	%	82-122	1		09/29/22 20:38	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**300**	mg/L	1.0	1		09/27/22 15:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**10.7**	mg/L	5.0	1		10/02/22 01:20	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		09/23/22 02:00	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/23/22 02:00	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		09/22/22 23:32	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.1**	mg/L	0.10	1		09/26/22 14:04	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	10/04/22 14:40	10/04/22 19:33	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-47S **Lab ID: 70230444005** Collected: 09/21/22 08:00 Received: 09/22/22 10:15 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	**2790**	ug/L	215	215	09/28/22 13:02	09/30/22 13:28	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**3410**	ug/L	100	1	10/06/22 09:07	10/06/22 21:48	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**1.0**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	83-32-9	
Acenaphthene	**0.89**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	83-32-9	H2
Acenaphthylene	**0.024**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	208-96-8	
Acenaphthylene	**0.030**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	208-96-8	H2
Anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	120-12-7	
Anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	120-12-7	H2
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	56-55-3	
Benzo(a)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	50-32-8	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	205-99-2	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	191-24-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	207-08-9	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	207-08-9	H2
Chrysene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	218-01-9	
Chrysene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	53-70-3	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	53-70-3	H2
Fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	206-44-0	
Fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	206-44-0	H2
Fluorene	**0.040**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	86-73-7	
Fluorene	**0.058**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	193-39-5	H2
Naphthalene	**0.11**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	91-20-3	
Naphthalene	**0.13**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	91-20-3	H2
Phenanthrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	85-01-8	
Phenanthrene	**0.045**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	85-01-8	H2
Pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:25	129-00-0	
Pyrene	**0.022**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:22	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	75	%	40-112	1	09/30/22 11:52	10/04/22 22:22	93951-69-0	
Fluoranthene-d10 (S)	74	%	40-112	1	09/27/22 11:02	09/28/22 23:25	93951-69-0	
2-Methylnaphthalene-d10 (S)	48	%	44-146	1	09/27/22 11:02	09/28/22 23:25	7297-45-2	
2-Methylnaphthalene-d10 (S)	42	%	44-146	1	09/30/22 11:52	10/04/22 22:22	7297-45-2	S0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-47S **Lab ID: 70230444005** Collected: 09/21/22 08:00 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**<1.0**	ug/L	1.0	1		09/29/22 20:57	71-43-2	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/29/22 20:57	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 20:57	108-88-3	
Xylene (Total)	**<3.0**	ug/L	3.0	1		09/29/22 20:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	81-122	1		09/29/22 20:57	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-118	1		09/29/22 20:57	460-00-4	
Toluene-d8 (S)	115	%	82-122	1		09/29/22 20:57	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**306**	mg/L	1.0	1		09/27/22 15:43		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**14.7**	mg/L	5.0	1		10/02/22 01:33	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Pace Analytical Services - Melville							
Nitrate as N	**0.057**	mg/L	0.050	1		09/23/22 01:35	14797-55-8	
Nitrate-Nitrite (as N)	**0.067**	mg/L	0.050	1		09/23/22 01:35	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		09/22/22 23:02	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.6**	mg/L	0.10	1		09/26/22 14:05	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	10/04/22 14:40	10/04/22 19:33	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-48S **Lab ID: 70230444006** Collected: 09/21/22 10:55 Received: 09/22/22 10:15 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	**1810**	ug/L	255	255	09/28/22 13:02	09/30/22 13:59	74-82-8	
6010 MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Pace Analytical Services - Melville							
Iron	**4170**	ug/L	100	1	10/06/22 09:07	10/06/22 21:51	7439-89-6	
8270E MSSV PAH by SIM	Analytical Method: EPA 8270E SIM Preparation Method: EPA 3510C Pace Analytical Services - Melville							
Acenaphthene	**31.7**	ug/L	1.0	50	09/30/22 11:52	10/06/22 18:57	83-32-9	H2
Acenaphthene	**30.5**	ug/L	1.0	50	09/27/22 11:02	10/06/22 19:27	83-32-9	
Acenaphthylene	**0.84**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	208-96-8	
Acenaphthylene	**0.88**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	208-96-8	H2
Anthracene	**1.2**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	120-12-7	
Anthracene	**1.2**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	120-12-7	H2
Benzo(a)anthracene	**0.048**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	56-55-3	
Benzo(a)anthracene	**0.041**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	56-55-3	H2
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	50-32-8	
Benzo(a)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	50-32-8	H2
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	205-99-2	
Benzo(b)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	205-99-2	H2
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	191-24-2	
Benzo(g,h,i)perylene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	191-24-2	H2
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	207-08-9	
Benzo(k)fluoranthene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	207-08-9	H2
Chrysene	**0.049**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	218-01-9	
Chrysene	**0.038**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	218-01-9	H2
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	53-70-3	
Dibenz(a,h)anthracene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	53-70-3	H2
Fluoranthene	**0.55**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	206-44-0	
Fluoranthene	**0.56**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	206-44-0	H2
Fluorene	**2.6**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	86-73-7	
Fluorene	**2.8**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	193-39-5	
Indeno(1,2,3-cd)pyrene	**<0.020**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	193-39-5	H2
Naphthalene	**65.2**	ug/L	1.0	50	09/30/22 11:52	10/06/22 18:57	91-20-3	H2
Naphthalene	**65.5**	ug/L	1.0	50	09/27/22 11:02	10/06/22 19:27	91-20-3	
Phenanthrene	**3.9**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	85-01-8	
Phenanthrene	**3.9**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	85-01-8	H2
Pyrene	**0.79**	ug/L	0.020	1	09/27/22 11:02	09/28/22 23:55	129-00-0	
Pyrene	**0.78**	ug/L	0.020	1	09/30/22 11:52	10/04/22 22:52	129-00-0	H2
Surrogates								
Fluoranthene-d10 (S)	73	%	40-112	1	09/30/22 11:52	10/04/22 22:52	93951-69-0	
Fluoranthene-d10 (S)	69	%	40-112	1	09/27/22 11:02	09/28/22 23:55	93951-69-0	
2-Methylnaphthalene-d10 (S)	54	%	44-146	1	09/30/22 11:52	10/04/22 22:52	7297-45-2	
2-Methylnaphthalene-d10 (S)	50	%	44-146	1	09/27/22 11:02	09/28/22 23:55	7297-45-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Sample: MW-48S **Lab ID: 70230444006** Collected: 09/21/22 10:55 Received: 09/22/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Benzene	**27.4**	ug/L	1.0	1		09/29/22 21:16	71-43-2	
Ethylbenzene	**14.6**	ug/L	1.0	1		09/29/22 21:16	100-41-4	
Toluene	**<1.0**	ug/L	1.0	1		09/29/22 21:16	108-88-3	
Xylene (Total)	**12.0**	ug/L	3.0	1		09/29/22 21:16	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	81-122	1		09/29/22 21:16	17060-07-0	
4-Bromofluorobenzene (S)	91	%	79-118	1		09/29/22 21:16	460-00-4	
Toluene-d8 (S)	113	%	82-122	1		09/29/22 21:16	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B Pace Analytical Services - Melville							
Alkalinity, Total as CaCO3	**397**	mg/L	1.0	1		09/27/22 17:57		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Melville							
Sulfate	**<5.0**	mg/L	5.0	1		10/02/22 01:47	14808-79-8	B
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		09/23/22 02:01	14797-55-8	
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		09/23/22 02:01	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		09/22/22 23:36	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H Pace Analytical Services - Melville							
Nitrogen, Ammonia	**2.0**	mg/L	0.10	1		09/26/22 14:08	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	10/04/22 14:40	10/04/22 19:34	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 275424 | Analysis Method: RSK-175
QC Batch Method: RSK-175 | Analysis Description: RSK 175 HEADSPACE
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

METHOD BLANK: 1391825 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane, Dissolved	ug/L	<1.0	1.0	09/29/22 11:14	

LABORATORY CONTROL SAMPLE: 1391826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methane, Dissolved	ug/L	10.2	3.5	35	10-93	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1391827 1391828

Parameter	Units	70230003004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Methane, Dissolved	ug/L	264	2200	2200	3610	3180	152	132	10-185	13	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 276202
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010C
Analysis Description: 6010 MET Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230444001, 70230444002, 70230444003

METHOD BLANK: 1395207 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	10/04/22 22:28	

LABORATORY CONTROL SAMPLE: 1395208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	11400	91	80-120	

MATRIX SPIKE SAMPLE: 1395210

Parameter	Units	70230411006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2440	5000	7360	98	75-125	

SAMPLE DUPLICATE: 1395209

Parameter	Units	70230411006 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	2440	2680	9	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Melville, NY 11747
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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 276587
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010C
Analysis Description: 6010 MET Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230444004, 70230444005, 70230444006

METHOD BLANK: 1397732 Matrix: Water
Associated Lab Samples: 70230444004, 70230444005, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	10/06/22 21:39	

LABORATORY CONTROL SAMPLE: 1397733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	11900	95	80-120	

MATRIX SPIKE SAMPLE: 1397735

Parameter	Units	70230535005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	22.9J	5000	5230	104	75-125	

SAMPLE DUPLICATE: 1397734

Parameter	Units	70230535005 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	22.9J	<100		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 275744
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

METHOD BLANK: 1393209 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<1.0	1.0	09/29/22 16:48	
Ethylbenzene	ug/L	<1.0	1.0	09/29/22 16:48	
Toluene	ug/L	<1.0	1.0	09/29/22 16:48	
Xylene (Total)	ug/L	<3.0	3.0	09/29/22 16:48	
1,2-Dichloroethane-d4 (S)	%	109	81-122	09/29/22 16:48	
4-Bromofluorobenzene (S)	%	90	79-118	09/29/22 16:48	
Toluene-d8 (S)	%	115	82-122	09/29/22 16:48	

LABORATORY CONTROL SAMPLE: 1393210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	48.0	96	78-117	
Ethylbenzene	ug/L	50	48.2	96	79-115	
Toluene	ug/L	50	42.5	85	80-114	
Xylene (Total)	ug/L	150	147	98	80-118	
1,2-Dichloroethane-d4 (S)	%			109	81-122	
4-Bromofluorobenzene (S)	%			90	79-118	
Toluene-d8 (S)	%			114	82-122	

MATRIX SPIKE SAMPLE: 1393634

Parameter	Units	70230444003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	<1.0	50	47.0	94	70-130	
Ethylbenzene	ug/L	<1.0	50	52.7	105	70-126	
Toluene	ug/L	<1.0	50	45.0	90	76-123	
Xylene (Total)	ug/L	<3.0	150	157	105	78-123	
1,2-Dichloroethane-d4 (S)	%				109	81-122	
4-Bromofluorobenzene (S)	%				89	79-118	
Toluene-d8 (S)	%				111	82-122	

SAMPLE DUPLICATE: 1393635

Parameter	Units	70230444006 Result	Dup Result	RPD	Qualifiers
Benzene	ug/L	27.4	28.8	5	
Ethylbenzene	ug/L	14.6	14.5	1	
Toluene	ug/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

SAMPLE DUPLICATE: 1393635

Parameter	Units	70230444006 Result	Dup Result	RPD	Qualifiers
Xylene (Total)	ug/L	12.0	13.2	10	
1,2-Dichloroethane-d4 (S)	%	110	112		
4-Bromofluorobenzene (S)	%	91	92		
Toluene-d8 (S)	%	113	115		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 275175
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270E SIM
Analysis Description: 8270E Water PAH by SIM MSSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

METHOD BLANK: 1390719 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.020	0.020	09/28/22 15:49	
Acenaphthylene	ug/L	<0.020	0.020	09/28/22 15:49	
Anthracene	ug/L	<0.020	0.020	09/28/22 15:49	
Benzo(a)anthracene	ug/L	<0.020	0.020	09/28/22 15:49	
Benzo(a)pyrene	ug/L	<0.020	0.020	09/28/22 15:49	
Benzo(b)fluoranthene	ug/L	<0.020	0.020	09/28/22 15:49	
Benzo(g,h,i)perylene	ug/L	<0.020	0.020	09/28/22 15:49	
Benzo(k)fluoranthene	ug/L	<0.020	0.020	09/28/22 15:49	
Chrysene	ug/L	<0.020	0.020	09/28/22 15:49	
Dibenz(a,h)anthracene	ug/L	<0.020	0.020	09/28/22 15:49	
Fluoranthene	ug/L	<0.020	0.020	09/28/22 15:49	
Fluorene	ug/L	<0.020	0.020	09/28/22 15:49	
Indeno(1,2,3-cd)pyrene	ug/L	<0.020	0.020	09/28/22 15:49	
Naphthalene	ug/L	<0.020	0.020	09/28/22 15:49	
Phenanthrene	ug/L	<0.020	0.020	09/28/22 15:49	
Pyrene	ug/L	<0.020	0.020	09/28/22 15:49	
2-Methylnaphthalene-d10 (S)	%	44	44-146	09/28/22 15:49	
Fluoranthene-d10 (S)	%	86	40-112	09/28/22 15:49	

LABORATORY CONTROL SAMPLE & LCSD: 1390720 1390721

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.47	0.62	47	62	33-102	27	30	
Acenaphthylene	ug/L	1	0.49	0.65	49	65	35-104	27	30	
Anthracene	ug/L	1	0.60	0.76	60	76	41-109	23	30	
Benzo(a)anthracene	ug/L	1	0.56	0.64	56	64	39-127	13	30	
Benzo(a)pyrene	ug/L	1	0.54	0.61	54	61	40-126	11	30	
Benzo(b)fluoranthene	ug/L	1	0.60	0.64	60	64	39-144	7	30	
Benzo(g,h,i)perylene	ug/L	1	0.60	0.67	60	67	41-140	11	30	
Benzo(k)fluoranthene	ug/L	1	0.48	0.56	48	56	35-131	14	30	
Chrysene	ug/L	1	0.57	0.65	57	65	40-117	14	30	
Dibenz(a,h)anthracene	ug/L	1	0.59	0.66	59	66	42-139	11	30	
Fluoranthene	ug/L	1	0.64	0.74	64	74	43-117	15	30	
Fluorene	ug/L	1	0.50	0.66	50	66	38-102	28	30	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.62	0.68	62	68	39-139	10	30	
Naphthalene	ug/L	1	0.35	0.43	35	43	22-95	19	30	
Phenanthrene	ug/L	1	0.60	0.75	60	75	41-111	22	30	
Pyrene	ug/L	1	0.63	0.74	63	74	38-116	17	30	
2-Methylnaphthalene-d10 (S)	%				36	47	44-146			S0

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

LABORATORY CONTROL SAMPLE & LCSD: 1390720 1390721

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Fluoranthene-d10 (S)	%				73	88	40-112			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 275819 | 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: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

METHOD BLANK: 1393491 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.020	0.020	10/04/22 15:44	
Acenaphthylene	ug/L	<0.020	0.020	10/04/22 15:44	
Anthracene	ug/L	<0.020	0.020	10/04/22 15:44	
Benzo(a)anthracene	ug/L	<0.020	0.020	10/04/22 15:44	
Benzo(a)pyrene	ug/L	<0.020	0.020	10/04/22 15:44	
Benzo(b)fluoranthene	ug/L	<0.020	0.020	10/04/22 15:44	
Benzo(g,h,i)perylene	ug/L	<0.020	0.020	10/04/22 15:44	
Benzo(k)fluoranthene	ug/L	<0.020	0.020	10/04/22 15:44	
Chrysene	ug/L	<0.020	0.020	10/04/22 15:44	
Dibenz(a,h)anthracene	ug/L	<0.020	0.020	10/04/22 15:44	
Fluoranthene	ug/L	<0.020	0.020	10/04/22 15:44	
Fluorene	ug/L	<0.020	0.020	10/04/22 15:44	
Indeno(1,2,3-cd)pyrene	ug/L	<0.020	0.020	10/04/22 15:44	
Naphthalene	ug/L	<0.020	0.020	10/04/22 15:44	
Phenanthrene	ug/L	<0.020	0.020	10/04/22 15:44	
Pyrene	ug/L	<0.020	0.020	10/04/22 15:44	
2-Methylnaphthalene-d10 (S)	%	57	44-146	10/04/22 15:44	
Fluoranthene-d10 (S)	%	83	40-112	10/04/22 15:44	

LABORATORY CONTROL SAMPLE & LCSD: 1393492 1393493

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.68	0.65	68	65	33-102	4	30	
Acenaphthylene	ug/L	1	0.71	0.66	71	66	35-104	7	30	
Anthracene	ug/L	1	0.73	0.72	73	72	41-109	1	30	
Benzo(a)anthracene	ug/L	1	0.69	0.65	69	65	39-127	5	30	
Benzo(a)pyrene	ug/L	1	0.68	0.64	68	64	40-126	6	30	
Benzo(b)fluoranthene	ug/L	1	0.68	0.76	68	76	39-144	11	30	
Benzo(g,h,i)perylene	ug/L	1	0.73	0.68	73	68	41-140	7	30	
Benzo(k)fluoranthene	ug/L	1	0.76	0.56	76	56	35-131	31	30	R1
Chrysene	ug/L	1	0.68	0.65	68	65	40-117	4	30	
Dibenz(a,h)anthracene	ug/L	1	0.72	0.67	72	67	42-139	7	30	
Fluoranthene	ug/L	1	0.70	0.68	70	68	43-117	3	30	
Fluorene	ug/L	1	0.69	0.67	69	67	38-102	3	30	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.75	0.70	75	70	39-139	7	30	
Naphthalene	ug/L	1	0.52	0.52	52	52	22-95	0	30	
Phenanthrene	ug/L	1	0.73	0.71	73	71	41-111	3	30	
Pyrene	ug/L	1	0.74	0.72	74	72	38-116	3	30	
2-Methylnaphthalene-d10 (S)	%				52	53	44-146			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

LABORATORY CONTROL SAMPLE & LCSD: 1393492 1393493

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Fluoranthene-d10 (S)	%				79	80	40-112			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 275174 | Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005

METHOD BLANK: 1390712 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	09/27/22 11:04	

LABORATORY CONTROL SAMPLE: 1390713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	24.6	99	85-115	

MATRIX SPIKE SAMPLE: 1390715

Parameter	Units	70230411006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	168	50	206	76	75-125	

SAMPLE DUPLICATE: 1390714

Parameter	Units	70230411006 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	168	164	3	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 275294
QC Batch Method: SM22 2320B
Analysis Method: SM22 2320B
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230444006

METHOD BLANK: 1391165 Matrix: Water
Associated Lab Samples: 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	09/27/22 16:20	

LABORATORY CONTROL SAMPLE: 1391166

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	23.6	94	85-115	

MATRIX SPIKE SAMPLE: 1391168

Parameter	Units	70230962001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	15.1	50	67.3	104	75-125	

SAMPLE DUPLICATE: 1391167

Parameter	Units	70230962001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	15.1	15.1	0	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 275536 | 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: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

METHOD BLANK: 1392249 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<5.0	5.0	10/01/22 21:42	

LABORATORY CONTROL SAMPLE: 1392250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	10	9.8	98	90-110	

MATRIX SPIKE SAMPLE: 1392251

Parameter	Units	70230411006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	55.1	10	66.9	117	90-110	M1

MATRIX SPIKE SAMPLE: 1392253

Parameter	Units	70230522001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5.6	10	15.9	103	90-110	

SAMPLE DUPLICATE: 1392252

Parameter	Units	70230411006 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	55.1	55.2	0	

SAMPLE DUPLICATE: 1392254

Parameter	Units	70230522001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	5.6	6.0	7	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 274801 | 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: 70230444001, 70230444002, 70230444003, 70230444005

METHOD BLANK: 1388341 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.027	0.027	09/22/22 22:49	

LABORATORY CONTROL SAMPLE: 1388342

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: 1388343

Parameter	Units	70230434001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L			0.59			H1,M1

MATRIX SPIKE SAMPLE: 1388361

Parameter	Units	70230535005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.49	95	90-110	

SAMPLE DUPLICATE: 1388344

Parameter	Units	70230434001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L		<0.050		H1

SAMPLE DUPLICATE: 1388362

Parameter	Units	70230535005 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 274802
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230444004, 70230444006

METHOD BLANK: 1388347 Matrix: Water
Associated Lab Samples: 70230444004, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.027	0.027	09/22/22 23:26	

LABORATORY CONTROL SAMPLE: 1388348

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: 1388349

Parameter	Units	70230306005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	<0.050	8	90-110	M1

MATRIX SPIKE SAMPLE: 1388351

Parameter	Units	70230411006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	0.5	0.48	93	90-110	

SAMPLE DUPLICATE: 1388350

Parameter	Units	70230306005 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 1388352

Parameter	Units	70230411006 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 274805 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: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

METHOD BLANK: 1388363 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.037	0.037	09/23/22 01:27	

LABORATORY CONTROL SAMPLE: 1388364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	101	90-110	

MATRIX SPIKE SAMPLE: 1388365

Parameter	Units	70230434001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L			7.7			H1,M1

MATRIX SPIKE SAMPLE: 1388379

Parameter	Units	70230411006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.5	0.49	93	90-110	

SAMPLE DUPLICATE: 1388366

Parameter	Units	70230434001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L		5.7		H1

SAMPLE DUPLICATE: 1388380

Parameter	Units	70230411006 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 275045 | 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: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

METHOD BLANK: 1389819 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.050	0.050	09/26/22 13:49	

LABORATORY CONTROL SAMPLE: 1389820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1389821

Parameter	Units	70230522003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	1	0.91	87	75-125	

SAMPLE DUPLICATE: 1389822

Parameter	Units	70230522003 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	<0.10		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

QC Batch: 276218
QC Batch Method: EPA 9010C
Analysis Method: EPA 9014 Total Cyanide
Analysis Description: 9014 Cyanide, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

METHOD BLANK: 1395268 Matrix: Water
Associated Lab Samples: 70230444001, 70230444002, 70230444003, 70230444004, 70230444005, 70230444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	10/04/22 19:18	

LABORATORY CONTROL SAMPLE: 1395269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	79.8	106	85-115	

MATRIX SPIKE SAMPLE: 1395270

Parameter	Units	70230411006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	87.6	84	75-125	

SAMPLE DUPLICATE: 1395271

Parameter	Units	70230411006 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(631)694-3040

QUALIFIERS

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

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

B	Analyte was detected in the associated method blank.
H1	Analysis conducted outside the EPA method holding time.
H2	Extraction or preparation conducted outside EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70230444001	**MW-22S**	RSK-175	275424	RSK-175	276094
70230444002	**MW-25S**	RSK-175	275424	RSK-175	276094
70230444003	**MW-33S**	RSK-175	275424	RSK-175	276094
70230444004	**MW-46S**	RSK-175	275424	RSK-175	276094
70230444005	**MW-47S**	RSK-175	275424	RSK-175	276094
70230444006	**MW-48S**	RSK-175	275424	RSK-175	276094
70230444001	**MW-22S**	EPA 3005A	276202	EPA 6010C	276283
70230444002	**MW-25S**	EPA 3005A	276202	EPA 6010C	276283
70230444003	**MW-33S**	EPA 3005A	276202	EPA 6010C	276283
70230444004	**MW-46S**	EPA 3005A	276587	EPA 6010C	276675
70230444005	**MW-47S**	EPA 3005A	276587	EPA 6010C	276675
70230444006	**MW-48S**	EPA 3005A	276587	EPA 6010C	276675
70230444001	**MW-22S**	EPA 3510C	275175	EPA 8270E SIM	275289
70230444001	**MW-22S**	EPA 3510C	275819	EPA 8270E SIM	275934
70230444002	**MW-25S**	EPA 3510C	275175	EPA 8270E SIM	275289
70230444002	**MW-25S**	EPA 3510C	275819	EPA 8270E SIM	275934
70230444003	**MW-33S**	EPA 3510C	275175	EPA 8270E SIM	275289
70230444003	**MW-33S**	EPA 3510C	275819	EPA 8270E SIM	275934
70230444004	**MW-46S**	EPA 3510C	275175	EPA 8270E SIM	275289
70230444004	**MW-46S**	EPA 3510C	275819	EPA 8270E SIM	275934
70230444005	**MW-47S**	EPA 3510C	275175	EPA 8270E SIM	275289
70230444005	**MW-47S**	EPA 3510C	275819	EPA 8270E SIM	275934
70230444006	**MW-48S**	EPA 3510C	275175	EPA 8270E SIM	275289
70230444006	**MW-48S**	EPA 3510C	275819	EPA 8270E SIM	275934
70230444001	**MW-22S**	EPA 8260C/5030C	275744		
70230444002	**MW-25S**	EPA 8260C/5030C	275744		
70230444003	**MW-33S**	EPA 8260C/5030C	275744		
70230444004	**MW-46S**	EPA 8260C/5030C	275744		
70230444005	**MW-47S**	EPA 8260C/5030C	275744		
70230444006	**MW-48S**	EPA 8260C/5030C	275744		
70230444001	**MW-22S**	SM22 2320B	275174		
70230444002	**MW-25S**	SM22 2320B	275174		
70230444003	**MW-33S**	SM22 2320B	275174		
70230444004	**MW-46S**	SM22 2320B	275174		
70230444005	**MW-47S**	SM22 2320B	275174		
70230444006	**MW-48S**	SM22 2320B	275294		
70230444001	**MW-22S**	EPA 300.0	275536		
70230444002	**MW-25S**	EPA 300.0	275536		
70230444003	**MW-33S**	EPA 300.0	275536		
70230444004	**MW-46S**	EPA 300.0	275536		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NYSEG ITHACA COURT STREET 9/21
Pace Project No.: 70230444

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70230444005	**MW-47S**	EPA 300.0	275536		
70230444006	**MW-48S**	EPA 300.0	275536		
70230444001	**MW-22S**	EPA 353.2	274805		
70230444002	**MW-25S**	EPA 353.2	274805		
70230444003	**MW-33S**	EPA 353.2	274805		
70230444004	**MW-46S**	EPA 353.2	274805		
70230444005	**MW-47S**	EPA 353.2	274805		
70230444006	**MW-48S**	EPA 353.2	274805		
70230444001	**MW-22S**	EPA 353.2	274801		
70230444002	**MW-25S**	EPA 353.2	274801		
70230444003	**MW-33S**	EPA 353.2	274801		
70230444004	**MW-46S**	EPA 353.2	274802		
70230444005	**MW-47S**	EPA 353.2	274801		
70230444006	**MW-48S**	EPA 353.2	274802		
70230444001	**MW-22S**	SM22 4500 NH3 H	275045		
70230444002	**MW-25S**	SM22 4500 NH3 H	275045		
70230444003	**MW-33S**	SM22 4500 NH3 H	275045		
70230444004	**MW-46S**	SM22 4500 NH3 H	275045		
70230444005	**MW-47S**	SM22 4500 NH3 H	275045		
70230444006	**MW-48S**	SM22 4500 NH3 H	275045		
70230444001	**MW-22S**	EPA 9010C	276218	EPA 9014 Total Cyanide	276342
70230444002	**MW-25S**	EPA 9010C	276218	EPA 9014 Total Cyanide	276342
70230444003	**MW-33S**	EPA 9010C	276218	EPA 9014 Total Cyanide	276342
70230444004	**MW-46S**	EPA 9010C	276218	EPA 9014 Total Cyanide	276342
70230444005	**MW-47S**	EPA 9010C	276218	EPA 9014 Total Cyanide	276342
70230444006	**MW-48S**	EPA 9010C	276218	EPA 9014 Total Cyanide	276342

WO# : 70230444

70230444

Pace

CHAIN-OF-CUSTODY / Analytical Reques

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://inf

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	GEI Consultants	Report To:	Breana Pabst	Attention:	
Address:	1301 Trumansburg Rd	Copy To:		Company Name:	
Suite N. Ithaca, NY 14850				Address:	
Email:	bpabst@geiconsultants.com	Purchase Order #:		Pace Quote:	
Phone:	607-216-8955 Fax	Project Name:	NYSEG- ITHACA COURT STREET PROJECT	Pace Project Manager:	latoya.sobratie@pacelabs.com,
Requested Due Date:		Project #:	220259	Pace Profile #:	9816

Regulatory Agency

State / Location: NY

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N)	Analyses Test: BTEX 8260	8270 SIM PAH list	Cyanide	Sulfate, Alkalinity, Nitrite	Nitrate, Ammonia	RSK Methane	Total Iron by 6010	Ferrous Iron	Residual Chlorine (Y/N)
~~13~~ 1	MW-22S	WT		9/21	855	9/21	855		11	3	1	2	4	1					x	x	x	x	x	x	x	x	
~~14~~ 2	MW-25S	WT		9/21	755	9/21	755		11	3	1	2	4	1					x	x	x	x	x	x	x	x	
~~15~~ 3	MW-33S	WT		9/21	930	9/21	930		11	3	1	2	4	1					x	x	x	x	x	x	x	x	
~~16~~ 4	MW-46S	WT		9/21	1050	9/21	1050		11	3	1	2	4	1					x	x	x	x	x	x	x	x	
~~17~~ 5	MW-47S	WT		9/21	800	9/21	800		11	3	1	2	4	1					x	x	x	x	x	x	x	x	
~~18~~ 6	MW-48S	WT		9/21	1055	9/21	1055		11	3	1	2	4	1					x	x	x	x	x	x	x	x	
19																			x	x	x	x	x	x	x	x	
20																			x	x	x	x	x	x	x	x	
21																			x	x	x	x	x	x	x	x	
22																			x	x	x	x	x	x	x	x	
23																			x	x	x	x	x	x	x	x	
24																			x	x	x	x	x	x	x	x	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Ferrous iron subbed	Breana Pabst /GEI	9/21/22	12:00		9.21	12:00				
to Pace NE		9-21	17:00	Pace LI	9/22	10:15	0.2	W	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Breana Pabst

SIGNATURE of SAMPLER: Breana Pabst DATE Signed: 9/21/22

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical®

Sample Condition Upon Re[illegible]

WO# : 70230444

PM: HBL **Due Date: 10/06/22**

CLIENT: GEI-I

Client Name: Pr[illegible]

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

Tracking #: 777994865578

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☑ Ziploc ☐ None ☐ Other

Thermometer Used: ~~TH091~~ TH148 Correction Factor: + 0.1

Cooler Temperature(°C): 0.2 Cooler Temperature Corrected(°C): 0.3

Temp should be above freezing to 6.0°C

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

Temperature Blank Present: ☐ Yes ☑ No

Type of Ice: (Wet) Blue None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: SAR 9/22

Oid 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 ☐ No

Oid samples orignate 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 SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☐ No		6.
Rush Turn Around Time Requested:	☐ Yes	☐ No		7.
Sufficient Volume: (Triple volume provided for I	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Oissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # 205522				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑ Yes	☐ No	☐ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☑ Yes	☐ No	☐ N/A	15.
Lead Acetate Strips Lot # 14-862				Positive for Sulfide? Y (N)
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present:	☐ Yes	☑ No	☐ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.