Third Quarter 2024 Groundwater Monitoring Report

416 Miller Place-Yaphank Road
Miller Place, New York

December 11, 2024

Prepared for:

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1. Introduction

On behalf of Coram Materials Corp. (Coram Materials), Roux Environmental Engineering and Geology, D.P.C. (Roux) has prepared this Quarterly Groundwater Monitoring Report (Report) to summarize the groundwater monitoring activities completed during the third quarter of 2024 at the Coram Materials site, located at 416 Miller Place-Yaphank Road, Miller Place, New York (Site). The Site is currently owned and operated by Coram Materials, and the groundwater monitoring activities described in this Report were completed in accordance with the Groundwater Study at Long Island Mines Work Plan, prepared by the New York State Department of Environmental Conservation (NYSDEC), dated June 2022 (Work Plan), and in accordance with the Site-Specific Work Plan, Prepared by Roux, dated July 3, 2023, for the Site. The Groundwater Study is a three-year program monitored by the NYSDEC providing for quarterly groundwater sampling of select parameters at volunteer mine sites across Long Island. Coram Materials has agreed to voluntarily participate in this program.

This Report summarizes the monitoring that occurred during the third quarter of 2024 and provides a brief description of Site background information, a description of the field activities and methodologies, and a discussion of the groundwater analytical results and conclusions. The Report is organized as follows:

- Section 1: Introduction;
- Section 2: Site Overview;
- Section 3: Quarterly Groundwater Sampling Methods and Results; and
- Section 4: Conclusions and Schedule for Future Monitoring Activities.

As required by the NYSDEC Guidance, Roux has submitted the latest analytical results Electronic Data Deliverable (EDD) for this sampling event to NYSDEC using the Environmental Information Management System (EIMS).

Per NYSDEC requirements and as specified in the Work Plan, this quarterly groundwater monitoring event included submitting groundwater samples for analysis for an expanded list of parameters. Details on the analytical parameters included in this monitoring event are provided below in Section 3.2.2.

2. Site Overview

This section includes a brief description of the Site and its history.

2.1 Site Description

The Site is located at 416 Miller Place-Yaphank Road, Miller Place, New York (see Site Location Map provided as Figure 1). It is bordered to the west by residential properties and the Washington Memorial Park cemetery, to the south by Whiskey Road, to the east by Miller Place-Yaphank Road, and to the north by a vacant wooded property.

The Site is approximately 392 acres and currently operates as a sand and gravel mine in accordance with the existing MLRL Permit (NYSDEC Permit ID No. 1-4722-00795/00005). Two wet dredging setups are utilized for mining operations. A Site Plan is provided as Figure 2.

2.2 Groundwater Study at Long Island Mines Work Plan

The groundwater monitoring activities described in this Report were completed in accordance with the Groundwater Study at Long Island Mines Work Plan, prepared by the New York State Department of Environmental Conservation (NYSDEC), dated June 2022 (Work Plan), and in accordance with the Site-Specific Work Plan, Prepared by Roux, dated July 3, 2023, for the Site. Starting in the 3rd Quarter of 2023, Coram Materials entered into the three-year Groundwater Study as a volunteer. NYSDEC, in consultation with the New York State Department of Health (NYSDOH), prepared the Work Plan to study the potential impact, if any, to groundwater quality from sand and gravel mining on Long Island.

In accordance with the Work Plan, a Site-Specific Work Plan was prepared by Roux, to supplement the NYSDEC Work Plan. The Site-Specific Work Plan provides a comprehensive scope and methodology to be followed throughout the Groundwater Study period.

3. Quarterly Groundwater Sampling Methods and Results

This section details the groundwater gauging and sampling activities implemented at the Site as part of the monitoring events that took place in the third quarter of 2024.

3.1 Groundwater Gauging

In accordance with the Work Plan, Roux conducted a complete water level gauging round on September 16, 2024, to determine the depth to water (DTW) and the current depth to bottom (DTB) in each well within the Site's monitoring well network prior to the sampling event. All measurements were collected from a consistent measuring point elevation on the well casing. The DTW and DTB in each well was measured using an electronic water level meter with an accuracy of +/- 0.01 feet.

All monitoring wells within the monitoring well network were previously surveyed on June 9, 2021, by Mega Engineering and Land Surveying, P.C. (Mega), a New York State licensed surveyor, to obtain horizontal and vertical coordinates. Horizontal coordinates were based upon New York State Plane Coordinates System North American Datum of 1983 (NAD 83) in US Survey Feet. Vertical elevations were measured for grade and top-of-casing (measuring point) elevations at all monitoring well locations referenced to North American Vertical Datum of 1988 (NAVD 88). The DTW, DTB, and calculated water table elevations from the September 16, 2024, gauging round are included as Table 2, and all groundwater elevations were calculated relative to mean sea level (MSL).

3.1.1 Shallow Zone

On September 16, 2024, shallow groundwater elevations ranged from 49.21 feet above mean sea level (ft amsl) in monitoring well MW-11S to 51.89 ft amsl in monitoring well PZ-5. Shallow groundwater flow direction is generally to the north, as shown on Figure 3.

3.1.2 Deep Zone

On September 16, 2024, deep groundwater elevations ranged from 45.90 ft amsl in monitoring well MW-6D to 50.85 ft amsl in monitoring well MW-12D. Deep groundwater flow is generally to the east, as shown on Figure 4.

3.2 Groundwater Sampling

Following the completion of the comprehensive groundwater gauging round, Roux collected groundwater samples from all 21 groundwater monitoring wells required in the Work Plan from September 16 – 20, 2024. Each monitoring well was purged and sampled with new dedicated tubing that was disposed of following sample collection. Monitoring wells were purged and sampled using a Grundfos Rediflo2 variable speed submersible pump, in accordance with USEPA low-flow sampling requirements. Field instrument calibration information is included in Appendix A. Field parameters (i.e., pH, temperature, dissolved oxygen, oxidation-reduction potential, and turbidity) were collected while purging each well using a water quality meter with a flow-through cell until parameters stabilized. The purge logs detailing flow rates, field parameter measurements, field observations, and sample information for each quarterly event are included as Appendix B. Once the groundwater parameters stabilized, one groundwater sample was collected from

each of the available monitoring wells. Groundwater samples were collected directly into laboratory-supplied sample bottles (that contained the proper preservative, if required) that were then sealed, labeled with all relevant information, and immediately placed in an ice-filled cooler. The samples to be submitted for analysis for dissolved iron and manganese were filtered in the field prior to being collected in preserved bottleware. All samples were then sent via courier under chain-of-custody procedures to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program-certified laboratory located at 8 Walkup Drive Westborough, Massachusetts (Alpha Analytical).

Following sample collection at each available monitoring well, all non-dedicated sampling equipment was properly decontaminated using Alconox® Powdered Precision Cleaner diluted as per manufacturing specifications. Decontamination procedures were documented in the Site-specific field logbook. As per the NYSDEC Guidance, purged water from the sampling activities was discharged back to the ground surface as light non-aqueous phase liquids (LNAPL)/dense non-aqueous phase liquids (DNAPL) impacted groundwater was not encountered.

3.2.1 Quality Assurance/Quality Control (QA/QC)

Field and laboratory QA/QC procedures were used to ensure field sampling and analytical procedures were consistent and to evaluate the usability of the data. In accordance with the Work Plan, five trip blanks, two equipment blanks, two field duplicates, and two matrix spike/matrix spike duplicates (MS/MSD) were collected and analyzed.

3.2.2 Laboratory Analysis

In general accordance with the Work Plan, groundwater samples were analyzed for the following list of compounds:

- Target Compound List (TCL) Volatile Organic Compounds (VOCs) via USEPA Method 8260B
- TCL semi-volatile organic compounds (SVOCs) via USEPA Method 8270E
- Target Analyte List (TAL) Metals, Total and Dissolved via USEPA Method 200.7
- Cations/Anions
- Ammonium via Method 9056A
- Chloride via Method SM4500
- Bromide via Method 300.1
- Nitrate/Nitrite via Method SM4500
- Total Nitrogen via USEPA Method TKN EPA 351.2
- Sulfide via Method SM3500
- Sulfate via Method 375.2
- Phosphate via SM4500
- Iodide via Method 9056A
- Carbonate via Method 2320B
- Bi-Carbonate via Method 2320B
- Fluoride via Method SM4500

- Total Dissolved Solids via Method SM2540C
- Pesticides
- Herbicides
- PCBs
- Emerging Contaminants[1]

The samples analyzed for dissolved metals were filtered in the field using in-line, 0.45 micrometer field filters.

Pursuant to the Study, NYSDEC is also requiring two consecutive quarters of radionuclide analysis from two upgradient and two downgradient wells selected by NYSDEC. During the first round of analysis for radionuclides this quarter, contrary to instructions from Roux, the laboratory utilized the incorrect methods, which deviated from the Work Plan and yielded unreliable results. At the direction of NYSDEC, these samples will be re-collected during the 4th Quarter 2024 and 1st Quarter 2025 sampling events. The samples will be analyzed by the correct methods, as specified in the Work Plan, and data will be presented in subsequent monitoring reports.

3.3 Groundwater Analytical Results

Groundwater sample results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). Analytical results are presented in Tables 3 through 9. Category B analytical data packages provided by Alpha Analytical are included as Appendix C.

3.3.1 Volatile Organic Compounds

VOCs were largely undetected in groundwater samples. One VOC, 1,1,1-trichloroethane (TCA) was detected slightly above the AWQSGV (5 micrograms per liter [µg/L]) at a concentration of 6.4 µg/L in MW-12D, a slight decrease from 7.0 µg/L which was observed during the second quarter 2024 sampling event.

3.3.2 Semivolatile Organic Compounds

SVOCs were detected in nine samples at concentrations exceeding AWQSGVs. A summary of the detections is provided below:

Compound	NYSDEC AWQSGV (ug/L)	Detections above AWQSGV	Range in Concentrations above AWQSGV (ug/L)	Sample with Maximum Concentration
Hexachlorobenzene	0.04	1	0.05 J	MW-1SR
Indeno(1,2,3-C,D) Pryene	0.002	1	0.02 J	MW-1DR2
Phenol	1	8	1.2 J – 3.7 J	MW-6D

Detections above AWQGVs include duplicate results.

[1] Per NYSDEC requirements, emerging contaminant samples were collected from two upgradient and two downgradient wells only. Wells were selected by NYSDEC prior to the sampling event.

Detections of SVOCs observed across the Site are consistent with the results observed during the 2nd Quarter 2024 sampling event. All detections of SVOCs are low-level concentrations, and estimated values. SVOCs in groundwater will continue to be monitored in future sampling events.

3.3.3 Metals

A summary of detections of metals with concentrations exceeding AWQSGVs is provided below:

Compound		AWQSGV (ug/L)	Detections above AWQSGV	Range in Concentrations above AWQSGV (ug/L)	Sample with Maximum Concentration
Iron	Total	300	4	1,530 - 3,430	MW-11D
	Dissolved	300	3	2,550 – 2,900	MW-11D
Mercury	Total	0.7	1	0.85	MP-1D
Sodium	Total	20000	4	20,700 – 80,800	MW-4S
	Dissolved	20000	3	21,400 – 69,000	MW-4S

Detections above AWQGVs include duplicate results.

Total mercury was detected in one well MP-1D at a concentration of 0.85 µg/L, exceeding the AWQSGV (0.7 µg/L). Dissolved mercury was detected in MP-1, at a concentration of 0.15 J µg/L, far below the AWQSGV. Total mercury has historically been detected at MP-1D, at similar, low, concentrations.

All other metals detected above AWQSGVs are naturally occurring and not indicative of a source of contamination.

3.3.4 PCBs

There were no detections of PCBs in any of the samples.

3.3.5 Pesticides and Herbicides

There were no detections of pesticides or herbicides exceeding AWQSGVs in any of the samples.

3.3.6 General Chemistry

There were detections of multiple general chemistry compounds across samples. There was one detection of sulfide at a concentration of 0.32 J mg/L exceeding the AWQSGV (0.05 mg/L) at MW-1SR. Sulfur occurs naturally in soil and can occur as sulfide when in contact with groundwater. The concentrations of sulfide are attributed with background conditions.

3.3.7 Emerging Contaminants

Per– and poly-fluoroalkyl substances (PFAS) and 1,4-dioxane (collectively, Emerging Contaminants) samples were collected from two upgradient and two downgradient wells. The wells were selected by NYSDEC prior to the sampling event. A summary of detections of emerging contaminants with concentrations exceeding AWQSGVs is provided below:

Analyte	NYSDEC AWQSGVs (ng/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (ng/L)	Sample with Maximum Concentration
Perfluorooctanesulfonic acid (PFOS)	0.0027	3	0.00278 – 0.0395	PZ-6
Perfluorooctanoic acid (PFOA)	0.0067	3	0.00824 – 0.0177	PZ-6

There were no detections of 1,4-dioxane exceeding AWQSGVs. There is no documented use of PFAS at the Site. Accordingly, the low-level detections of PFAS are believed to be attributed to background conditions.

4. Conclusions and Schedule for Future Monitoring Activities

The following sections present conclusions from the monitoring activities that occurred in the third quarter of 2024 and a description of the work that is scheduled to occur in the fourth quarter of 2024.

4.1 Conclusions

The VOC results of this quarterly sampling event identified the exceedance of one VOCs, 1,1,1-TCA detected in monitoring well MW-12D, which is consistent with historical results.

The SVOC results showed detections of SVOCs in several groundwater samples, at concentrations exceeding AWQSGVs, which is consistent with 2nd Quarter 2024 results. Phenols were detected above the AWQSGV in multiple samples, at low concentrations, or low estimated concentrations, such that they do not pose toxicity concerns. Based on historic and current site operations, and historic groundwater quality results, we do not believe these phenol detections are representative of groundwater quality at the Site.

The presence of phenol in groundwater will continue to be monitored in future quarterly sampling events.

The metal results identified the exceedance of total mercury detected in monitoring well MP-1D, which is consistent with historical results. Metal concentrations detected are generally lower or consistent with those concentrations detected in historical groundwater sampling events. The presence of metals in groundwater will continue to be monitored in future quarterly sampling events.

The general chemistry results showed one detection of sulfide exceeding the AWQSGV in one well, MW-1S. Sulfide is naturally occurring when sulfur in soil comes in contact with groundwater and the presence of sulfide is likely consistent with background conditions.

The emerging contaminants results showed three detections of PFAS exceeding the AWQSGVs. The low level detections are believed to be attributed to background conditions.

Pesticides, herbicides, and PCBs were not detected at concentrations exceeding AWQSGVs. As per the Work Plan, no further analysis for pesticides, herbicides, or PCBs will be conducted for the duration of the Groundwater Study.

4.2 Schedule

The next quarterly groundwater sampling event will occur in December 2024, and will be performed in accordance with the Work Plan. A summary report and data deliverable will be submitted to the NYSDEC within 45 days of sample collection.

Respectfully submitted,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

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TABLES

Table 1. Summary of Groundwater Study at Long Island Mines Work Plan Sample Requirements
Coram Materials, 416 Miller Place-Yaphank Road, Miller Place, NY

Required Monitoring	Compound of Interest	Frequency of Sampling
MP-1	VOCs, SVOCs, TAL Metals Total and Dissolved, Cations/Anions, Total Dissolved Solids	Quarterly for 3 Years
MP-1D		
MW-1SR		
MW-1DR2		
MW-4S		
MW-4D2		
PZ-5		
MW-5D		
PZ-6		
MW-6D		
MW-8S		
MW-8D		
MW-10S		
MW-10D		
MW-11S		
MW-11D		
MW-12S		
MW-12D		
MW-13S		
MW-13D		
SCDOH-DR		
MP-1	PBCs, Pesticides, Herbicides	First two quarters of sampling as part of baseline evaluation[1]
MP-1D		
MW-1SR		
MW-1DR2		
MW-4S		
MW-4D2		
PZ-5		
MW-5D		
PZ-6		
MW-6D		
MW-8S		
MW-8D		
MW-10S		
MW-10D		
MW-11S		
MW-11D		
MW-12S		
MW-12D		
MW-13S		
MW-13D		
SCDOH-DR		
Two hydraulically upgradient and two hydraulically downgradient monitoring wells.	Isotopic Uranium and Thorium, Radium 226/228, Per- and Polyflouroalkyn Substances (PFAS), 1,4-Dioxane	Two consecutive quarters as directed by NYSDEC.

Notes:
VOC - Volatile organic compounds
SVOC - semi-volatile organic compounds
TAL - target analyte list
PCB - polychlorinated biphenyls
1- At the direction of NYSDEC, baseline sampling was not conducted in the first quarter of sampling.

Table 2. Summary of Groundwater Elevation Data, September 16, 2024
Coram Materials, 416 Miller Place-Yaphank Road, Miller Place, NY

Well ID	MPE (ft)	Top of Screen (depth bls)	Bottom of Screen (depth bls)	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	September 16, 2024		
						DTB (ft)	DTW (ft)	GWE(ft)
MP-1	97.02	-	-	-	-	59.25	47.46	49.56
MP-1D	98	-	-	-	-	216.29	48.94	49.06
MW-1SR	73.59	-	-	-	-	30.86	23.93	49.66
MW-1DR2	73.51	-	-	-	-	190.44	26.26	47.25
MW-4S	120.17	-	-	-	-	76.10	68.95	51.22
MW-4D2	120	-	-	-	-	234.79	70.22	49.78
MW-5D	79.88	-	-	-	-	195.66	31.42	48.46
PZ-5	81.58	17	32	64.58	49.58	34.81	29.69	51.89
MW-6D	86.97	-	-	-	-	200.12	41.07	45.90
PZ-6	87.33	31	46	56.33	41.33	49.37	37.80	49.53
MW-8S	85.83	-	-	-	-	51.94	34.31	51.52
MW-8D	85.49	-	-	-	-	196.90	37.03	48.46
MW-10S	70.45	17	27	53.45	43.45	28.31	19.94	50.51
MW-10D	70.79	150	160	-79.21	-89.21	196.55	20.48	50.31
MW-11S	109.42	58	68	51.42	41.42	67.28	60.21	49.21
MW-11D	111.04	155	165	-43.96	-53.96	156.47	61.89	49.15
MW-12S	109.26	55	75	54.26	34.26	77.28	58.68	50.58
MW-12D	109.37	210	230	-100.63	-120.63	228.00	58.52	50.85
MW-13S	83.94	-	-	-	-	44.52	34.32	49.62
MW-13D	83.89	-	-	-	-	128.70	34.23	49.66
SCDOH-DR	95.4	-	-	-	-	136.76	45.08	50.32

Notes:

MPE - measuring point elevation (top of well casing)

DTB - depth to bottom

DTW - depth to water

GWE - groundwater elevation

ft - feet

Notes Utilized Throughout Tables	
Groundwater Tables	
J -	Estimated Value
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
FD -	Duplicate
µg/L -	Micrograms per liter
MG CACO3/L -	Milligrams per liter of Calcium Carbonate
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
--	No NYSDEC AWQSGV
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	

Table 3. Summary of Volatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	MP-1	MP-1D	MW-1DR2	MW-1DR2	MW-1SR	MW-4D2	MW-4S	MW-5D
Sample Designation:			MP-1	MP-1D	MW-1DR2	MW-1DR2	MW-1SR	MW-4D2	MW-4S	MW-5D
Sample Date:			09/17/2024	09/17/2024	09/16/2024	09/16/2024	09/16/2024	09/19/2024	09/19/2024	09/18/2024
Normal Sample or Field Duplicate:			N	N	N	FD	N	N	N	N
1,1,1-Trichloroethane (TCA)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.46 J
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.85 J
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

		Sample Designation:	MP-1	MP-1D	MW-1DR2	MW-1DR2	MW-1SR	MW-4D2	MW-4S	MW-5D
		Sample Date:	09/17/2024	09/17/2024	09/16/2024	09/16/2024	09/16/2024	09/19/2024	09/19/2024	09/18/2024
		Normal Sample or Field Duplicate:	N	N	N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.85
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 J
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

		Sample Designation:	MW-6D	MW-8D	MW-8S	MW-8S	MW-10D	MW-10S	MW-11D	MW-11S
		Sample Date:	09/17/2024	09/18/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/16/2024	09/16/2024
		Normal Sample or Field Duplicate:	N	N	N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
1,1,1-Trichloroethane (TCA)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

		Sample Designation:	MW-6D	MW-8D	MW-8S	MW-8S	MW-10D	MW-10S	MW-11D	MW-11S
		Sample Date:	09/17/2024	09/18/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/16/2024	09/16/2024
		Normal Sample or Field Duplicate:	N	N	N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	Sample Designation:	MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6	SCDOH-DR	TRIP BLANK
			Sample Date:	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/18/2024	09/17/2024	09/20/2024	09/16/2024
			Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	TB
1,1,1-Trichloroethane (TCA)	**5**	UG/L		**6.4**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-Trichloroethane	1	UG/L		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L		3.7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L		4.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	UG/L		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	UG/L		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6	SCDOH-DR	TRIP BLANK
Sample Designation:			MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6	SCDOH-DR	TRIP BLANK
Sample Date:			09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/18/2024	09/17/2024	09/20/2024	09/16/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	TB
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.31 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	Sample Designation: TRIP BLANK	EQUIPMENT BLANK	TRIP BLANK	EQUIPMENT BLANK	TRIP BLANK	TRIP BLANK
			Sample Date: 09/17/2024	09/17/2024	09/18/2024	09/18/2024	09/19/2024	09/20/2024
			Normal Sample or Field Duplicate: TB	EB	TB	EB	TB	TB
1,1,1-Trichloroethane (TCA)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

	Sample Designation:		TRIP BLANK	EQUIPMENT BLANK	TRIP BLANK	EQUIPMENT BLANK	TRIP BLANK	TRIP BLANK
	Sample Date:		09/17/2024	09/17/2024	09/18/2024	09/18/2024	09/19/2024	09/20/2024
	Normal Sample or Field Duplicate:		TB	EB	TB	EB	TB	TB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units						
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MP-1	MP-1D	MW-1DR2	MW-1DR2	MW-1SR	MW-4D2	MW-4S	MW-5D
Sample Date:			09/17/2024	09/17/2024	09/16/2024	09/16/2024	09/16/2024	09/19/2024	09/19/2024	09/18/2024
Normal Sample or Field Duplicate:			N	N	N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	NA	NA	NA	0.144 U	NA
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Methylphenol (O-Cresol)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acenaphthylene	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.05 J	0.1 U	0.1 U	0.1 U
Atrazine	7.5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(A)Anthracene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(A)Pyrene	0	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(B)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(G,H,I)Perylene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MP-1	MP-1D	MW-1DR2	MW-1DR2	MW-1SR	MW-4D2	MW-4S	MW-5D
Sample Date:			09/17/2024	09/17/2024	09/16/2024	09/16/2024	09/16/2024	09/19/2024	09/19/2024	09/18/2024
Normal Sample or Field Duplicate:			N	N	N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Benzo(K)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	2.7 J	2.9 J	3 U	3 U	3 U	3 U	3 U	3 U
Caprolactam	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chrysene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	0.1 U	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Diethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.04 J	0.1 U	0.1 U	0.1 U
Fluorene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.04 J	0.1 U	0.1 U	0.1 U
Hexachlorobenzene	**0.04**	UG/L	0.02 J	0.01 J	0.8 U	0.8 U	**0.05 J**	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	**0.002**	UG/L	0.1 U	0.1 U	**0.02 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Isophorone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
M+P MethylPhenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	UG/L	0.1 U	0.1 U	0.1 U	0.04 JB	0.04 JB	0.1 U	0.1 U	0.1 U
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.06 J	0.1 U	0.1 U	0.1 U
Phenol	**1**	UG/L	5 U	5 U	**1.5 J**	5 U	5 U	5 U	5 U	0.65 J
Pyrene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MW-6D	MW-8D	MW-8S	MW-8S	MW-10D	MW-10S	MW-11D	MW-11S
Sample Date:			09/17/2024	09/18/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/16/2024	09/16/2024
Normal Sample or Field Duplicate:			N	N	N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	0.139 U	NA	NA	0.15 U	NA	NA
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Methylphenol (O-Cresol)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acenaphthylene	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Atrazine	7.5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(A)Anthracene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(A)Pyrene	0	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(B)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(G,H,I)Perylene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MW-6D	MW-8D	MW-8S	MW-8S	MW-10D	MW-10S	MW-11D	MW-11S
Sample Date:			09/17/2024	09/18/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/16/2024	09/16/2024
Normal Sample or Field Duplicate:			N	N	N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Benzo(K)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	2.5 J	3 U	3 U	3 U	3	2.6 J	3 U	3 U
Caprolactam	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chrysene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Diethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Fluorene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J
Hexachlorobenzene	**0.04**	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.02 J	0.8 U	0.02 J
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	**0.002**	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Isophorone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
M+P MethylPhenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.1 U	0.04 JB	0.03 JB
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Phenol	**1**	UG/L	**3.7 J**	**3 J**	5 U	5 U	5 U	5 U	0.57 J	5 U
Pyrene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6	PZ-6	SCDOH-DR
Sample Designation:			MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6	PZ-6	SCDOH-DR
Sample Date:			09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/18/2024	09/17/2024	09/17/2024	09/20/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	FD	N
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	NA	NA	NA	NA	NA	0.144 U	0.144 U	NA
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	NA	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
2-Methylnaphthalene	--	UG/L	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.04 J	NA	0.1 U
2-Methylphenol (O-Cresol)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Acenaphthene	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Acenaphthylene	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Anthracene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Atrazine	7.5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Benzaldehyde	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Benzo(A)Anthracene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Benzo(A)Pyrene	0	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Benzo(B)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Benzo(G,H,I)Perylene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6	PZ-6	SCDOH-DR
Sample Date:			09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/18/2024	09/17/2024	09/17/2024	09/20/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Benzo(K)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	3 U	3 U	3 U	3 U	3 U	3.2	NA	3 U
Caprolactam	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	NA	10 U
Carbazole	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Chrysene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Diethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Fluoranthene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Fluorene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Hexachlorobenzene	**0.04**	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.02 J	NA	0.8 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	NA	20 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	NA	0.8 U
Indeno(1,2,3-C,D)Pyrene	**0.002**	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Isophorone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
M+P MethylPhenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
Naphthalene	10	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.85	NA	0.1 U
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	NA	5 U
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	NA	2 U
Phenanthrene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U
Phenol	**1**	UG/L	**2.4 J**	5 U	**1.2 J**	5 U	**1.6 J**	**2.8 J**	NA	5 U
Pyrene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	0.1 U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	Sample Designation: EQUIPMENT BLANK Sample Date: 09/17/2024 Normal Sample or Field Duplicate: EB	Sample Designation: EQUIPMENT BLANK Sample Date: 09/18/2024 Normal Sample or Field Duplicate: EB
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	0.163 U	NA
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U
2-Methylnaphthalene	--	UG/L	0.1 U	0.1 U
2-Methylphenol (O-Cresol)	--	UG/L	5 U	5 U
2-Nitroaniline	5	UG/L	5 U	5 U
2-Nitrophenol	--	UG/L	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U
3-Nitroaniline	5	UG/L	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U
Acenaphthene	20	UG/L	0.1 U	0.1 U
Acenaphthylene	20	UG/L	0.1 U	0.1 U
Acetophenone	--	UG/L	5 U	5 U
Anthracene	50	UG/L	0.1 U	0.1 U
Atrazine	7.5	UG/L	10 U	10 U
Benzaldehyde	--	UG/L	5 U	5 U
Benzo(A)Anthracene	0.002	UG/L	0.1 U	0.1 U
Benzo(A)Pyrene	0	UG/L	0.1 U	0.1 U
Benzo(B)Fluoranthene	0.002	UG/L	0.1 U	0.1 U
Benzo(G,H,I)Perylene	--	UG/L	0.1 U	0.1 U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

	Sample Designation:		EQUIPMENT BLANK	EQUIPMENT BLANK
	Sample Date:		09/17/2024	09/18/2024
	Normal Sample or Field Duplicate:		EB	EB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units		
Benzo(K)Fluoranthene	0.002	UG/L	0.1 U	0.1 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	0.1 U	0.1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	2.3 J	3 U
Caprolactam	--	UG/L	10 U	10 U
Carbazole	--	UG/L	2 U	2 U
Chrysene	0.002	UG/L	0.1 U	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	0.1 U	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U
Diethyl Phthalate	50	UG/L	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U
Fluoranthene	50	UG/L	0.1 U	0.1 U
Fluorene	50	UG/L	0.1 U	0.1 U
Hexachlorobenzene	**0.04**	UG/L	0.8 U	0.8 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	**0.002**	UG/L	0.1 U	0.1 U
Isophorone	50	UG/L	5 U	5 U
M+P MethylPhenol	--	UG/L	5 U	5 U
Naphthalene	10	UG/L	0.04 J	0.03 J
Nitrobenzene	0.4	UG/L	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U
Phenanthrene	50	UG/L	0.1 U	0.1 U
Phenol	**1**	UG/L	**4.5 J**	5 U
Pyrene	50	UG/L	0.1 U	0.1 U

Table 5. Summary of Metals in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MP-1	MP-1	MP-1D	MP-1D	MW-1DR2	MW-1DR2	MW-1DR2	MW-1DR2	MW-1SR	MW-1SR
Sample Date:			09/17/2024	09/17/2024	09/17/2024	09/17/2024	09/16/2024	09/16/2024	09/16/2024	09/16/2024	09/16/2024	09/16/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	FD	FD	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	100 U	100 U	1120	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Antimony	3	UG/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	UG/L	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U
Barium	1000	UG/L	18.9	19.8	19.2	12.7	23.8	23.5	24.2	23.3	22.2	21
Beryllium	3	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium	--	UG/L	21600	19600	17900	16700	10500	10200	10600	10200	18000	17000
Chromium, Hexav	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	50	UG/L	10 U	10 U	2.4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt	--	UG/L	20 U	20 U	20 U	20 U	7.6 J	6.8 J	7.1 J	6.8 J	20 U	20 U
Copper	200	UG/L	10 U	2.6 J	2.4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyanide	200	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	**300**	UG/L	22.7 J	50 U	**1530**	21.8 J	**2800**	**2620**	**2840**	**2550**	70.6	69.1
Lead	25	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000	UG/L	6050	6270	8860	8930	4480	4450	4520	4520	3200	3020
Manganese	**300**	UG/L	1.7 J	10 U	14.5	2.5 J	108	105	109	104	48.7	49.2
Mercury	**0.7**	UG/L	0.2 U	0.2 U	**0.85**	0.15 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium	--	UG/L	1860 J	1720 J	1530 J	1270 J	964 J	969 J	971 J	945 J	1900 J	1700 J
Selenium	10	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	UG/L	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	**20000**	UG/L	12500	11500	13400	12600	8020	8110	8130	7970	2410	2270
Thallium	0.5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	--	UG/L	10 U	10 U	5.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	UG/L	5 U	5 U	4 J	5 U	8.1	7.2	8.3	7	5 U	5 U

Table 5. Summary of Metals in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MW-4D2	MW-4D2	MW-4S	MW-4S	MW-5D	MW-5D	MW-6D	MW-6D	MW-8D	MW-8D
Sample Date:			09/19/2024	09/19/2024	09/19/2024	09/19/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/18/2024	09/18/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	100 U	100 U	100 U	100 U	85.7 J	100 U	100 U	100 U	100 U	100 U
Antimony	3	UG/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	UG/L	5 U	5 U	5 U	5 U	2.6 J	5 U	5 U	5 U	5 U	5 U
Barium	1000	UG/L	15.2	14.6	113	98.6	44.2	48.2	11	9.5 J	27.7	30.6
Beryllium	3	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium	--	UG/L	10900	11200	16000	14800	14400	15800	11800	10400	11300	12500
Chromium, Hexav	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	50	UG/L	2.5 J	2.7 J	10 U	10 U	2.3 J	10 U	10 U	10 U	2.1 J	10 U
Cobalt	--	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	UG/L	10 U	10 U	3.1 J	2.6 J	10 U	10 U	10 U	10 U	10 U	10 U
Cyanide	200	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	**300**	UG/L	50 U	50 U	19.1 J	12.2 J	188	50 U	44.5 J	50 U	58.9	13.3 J
Lead	25	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000	UG/L	5610	5470	4650	4230	6970	7620	5610	5570	5570	6110
Manganese	**300**	UG/L	10 U	10 U	39.8	32.2	5.2 J	10 U	11.4	9.5 J	10 U	10 U
Mercury	**0.7**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22	0.2 U
Nickel	100	UG/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium	--	UG/L	991 J	971 J	3120	2620	1240 J	1310 J	1060 J	972 J	1100 J	1170 J
Selenium	10	UG/L	10 U	4.7 J	10 U	4.4 J	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	UG/L	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	**20000**	UG/L	8940	8320	**84600**	**69000**	**20700**	19400	15200	13700	18000	16900
Thallium	0.5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	UG/L	5 U	5 U	3 J	3.4 J	5 U	5 U	5 U	5 U	2.6 J	2.1 J

Table 5. Summary of Metals in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

	Sample Designation:		MW-8S	MW-8S	MW-8S	MW-8S	MW-10D	MW-10D	MW-10S	MW-10S	MW-11D	MW-11D
	Sample Date:		09/18/2024	09/18/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/17/2024	09/17/2024	09/16/2024	09/16/2024
	Normal Sample or Field Duplicate:		N	N	FD	FD	N	N	N	N	N	N
	Total or Dissolved:		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	140	46.1 J	135	40.3 J	100 U	100 U	100 U	100 U	67.2 J	100 U
Antimony	3	UG/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Barium	1000	UG/L	67.6	76.2	66.2	75.5	5.5 J	4.5 J	20.3	19.6	27.6	25.2
Beryllium	3	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium	--	UG/L	7480	8450	7320	8350	19800	17200	3850	3820	16000	14800
Chromium, Hexav	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt	--	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2.5 J	1.8 J
Copper	200	UG/L	10 U	2.5 J	10 U	2.3 J	10 U	10 U	3.1 J	10 U	10 U	10 U
Cyanide	200	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	**300**	UG/L	119	50 U	120	50 U	125	62.5	17.6 J	50 U	**3430**	**2900**
Lead	25	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000	UG/L	2460	2600	2410	2560	2540	2490	1430	1540	5670	5440
Manganese	**300**	UG/L	106	112	104	111	37	33.1	2 J	10 U	215	206
Mercury	**0.7**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium	--	UG/L	1020 J	1060 J	1000 J	1060 J	791 J	714 J	905 J	890 J	915 J	840 J
Selenium	10	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	UG/L	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	**20000**	UG/L	8030	7500	7700	7440	5930	5380	1540 J	1540 J	7460	7180
Thallium	0.5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	UG/L	5 U	2.7 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 5. Summary of Metals in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MW-11S	MW-11S	MW-12D	MW-12D	MW-12S	MW-12S	MW-13D	MW-13D	MW-13S	MW-13S
Sample Date:			09/16/2024	09/16/2024	09/18/2024	09/18/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/17/2024	09/17/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	100 U	100 U	35.7 J	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Antimony	3	UG/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.2 J	5 U
Barium	1000	UG/L	27.5	25.5	33.6	37.8	54.5	62.2	24.4	22	97.2	86.3
Beryllium	3	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium	--	UG/L	31600	29300	12200	13800	7500	8580	10700	9600	101000	93100
Chromium, Hexav	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	50	UG/L	10 U	10 U	4.5 J	2.9 J	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt	--	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	UG/L	10 U	10 U	10 U	10 U	10 U	2.6 J	10 U	10 U	10 U	10 U
Cyanide	200	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	**300**	UG/L	77.3	9 J	48.6 J	50 U	45 J	50 U	48.6 J	50 U	30 J	50 U
Lead	25	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000	UG/L	8990	8540	5620	5840	2490	2720	4860	4890	15200	15600
Manganese	**300**	UG/L	10	10 U	10 U	10 U	25.9	23.5	10 U	10 U	1.6 J	10 U
Mercury	**0.7**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	25 U	25 U	3.9 J	4.3 J	25 U	25 U	25 U	25 U	25 U	25 U
Potassium	--	UG/L	1220 J	1190 J	974 J	1130 J	1160 J	1320 J	1060 J	929 J	3020	2830
Selenium	10	UG/L	6.1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	UG/L	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	**20000**	UG/L	3550	3730	15200	14300	**51100**	**48200**	13500	12300	4280	3990
Thallium	0.5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	UG/L	3.5 J	3.7 J	9.9	11.4	5 U	2.5 J	5 U	5 U	5 U	2.1 J

Table 5. Summary of Metals in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			PZ-5	PZ-5	PZ-6	PZ-6	SCDOH-DR	SCDOH-DR	EQUIPMENT BLANK	EQUIPMENT BLANK
Sample Date:			09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/20/2024	09/20/2024	09/17/2024	09/17/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	EB	EB
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Aluminum	--	UG/L	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Antimony	3	UG/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Barium	1000	UG/L	14.1	15.7	46.8	41.7	16.2	16	10 U	10 U
Beryllium	3	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium	--	UG/L	18800	21000	62700	57300	14200	13600	100 U	44.4 J
Chromium, Hexav	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt	--	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	UG/L	10 U	2.6 J	2.3 J	2.8 J	10 U	10 U	10 U	10 U
Cyanide	200	UG/L	NA	NA	NA	NA	NA	NA	NA	NA
Iron	**300**	UG/L	41.5 J	50 U	34.1 J	50 U	75.6	50 U	50 U	50 U
Lead	25	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000	UG/L	3990	4190	11000	11200	6440	6220	100 U	100 U
Manganese	**300**	UG/L	3.3 J	10 U	83.7	72.9	22.5	10 U	10 U	10 U
Mercury	**0.7**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium	--	UG/L	715 J	814 J	4710	4280	1530 J	1500 J	2500 U	2500 U
Selenium	10	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	UG/L	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	**20000**	UG/L	3140	2940	8930	8150	**21300**	**21400**	2000 U	2000 U
Thallium	0.5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	UG/L	2.1 J	2.6 J	5 U	5 U	5 U	5 U	5 U	5 U

Table 5. Summary of Metals in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			EQUIPMENT BLANK	EQUIPMENT BLANK	EQUIPMENT BLANK
Sample Date:			09/18/2024	09/18/2024	09/19/2024
Normal Sample or Field Duplicate:			EB	EB	EB
Total or Dissolved:			Total	Dissolved	Total
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units			
Aluminum	--	UG/L	100 U	100 U	4.16 J
Antimony	3	UG/L	50 U	50 U	4 U
Arsenic	25	UG/L	5 U	5 U	0.5 U
Barium	1000	UG/L	10 U	10 U	0.26 J
Beryllium	3	UG/L	5 U	5 U	0.5 U
Cadmium	5	UG/L	5 U	5 U	0.2 U
Calcium	--	UG/L	100 U	100 U	100 U
Chromium, Hexav	50	UG/L	NA	NA	10 U
Chromium, Total	50	UG/L	10 U	10 U	1 U
Cobalt	--	UG/L	20 U	20 U	0.5 U
Copper	200	UG/L	10 U	10 U	0.48 J
Cyanide	200	UG/L	NA	NA	5 U
Iron	**300**	UG/L	50 U	50 U	50 U
Lead	25	UG/L	10 U	10 U	1 U
Magnesium	35000	UG/L	100 U	100 U	100 U
Manganese	**300**	UG/L	10 U	10 U	1.1
Mercury	**0.7**	UG/L	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	25 U	25 U	2 U
Potassium	--	UG/L	2500 U	2500 U	100 U
Selenium	10	UG/L	10 U	10 U	5 U
Silver	50	UG/L	7 U	7 U	0.4 U
Sodium	**20000**	UG/L	2000 U	2000 U	100 U
Thallium	0.5	UG/L	20 U	20 U	1 U
Vanadium	--	UG/L	10 U	10 U	5 U
Zinc	2000	UG/L	5 U	5 U	10 U

Table 6. Summary of Polychlorinated Biphenyls in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MP-1	MP-1D	MW-1DR2	MW-1DR2	MW-1SR	MW-4D2	MW-4S	MW-5D	MW-6D
Sample Date:			09/17/2024	09/17/2024	09/16/2024	09/16/2024	09/16/2024	09/19/2024	09/19/2024	09/18/2024	09/17/2024
Normal Sample or Field Duplicate:			N	N	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units									
PCB-1016 (Aroclor 1016)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U

Table 6. Summary of Polychlorinated Biphenyls in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MW-8D	MW-8S	MW-8S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S
Sample Date:			09/18/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/16/2024	09/16/2024	09/18/2024	09/18/2024
Normal Sample or Field Duplicate:			N	N	FD	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units									
PCB-1016 (Aroclor 1016)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U

Table 6. Summary of Polychlorinated Biphenyls in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MW-13D	MW-13S	PZ-5	PZ-6	SCDOH-DR	EQUIPMENT BLANK	EQUIPMENT BLANK
Sample Date:			09/17/2024	09/17/2024	09/18/2024	09/17/2024	09/20/2024	09/17/2024	09/18/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	EB	EB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units							
PCB-1016 (Aroclor 1016)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U

Table 7. Summary of Pesticides and Herbicides in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MP-1	MP-1D	MW-1DR2	MW-1DR2	MW-1SR	MW-4D2	MW-4S	MW-5D	MW-6D	MW-8D
Sample Date:			09/17/2024	09/17/2024	09/16/2024	09/16/2024	09/16/2024	09/19/2024	09/19/2024	09/18/2024	09/17/2024	09/18/2024
Normal Sample or Field Duplicate:			N	N	N	FD	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
2,4-(Dichlorophenoxy)butyric acid	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-D (Dichlorophenoxyacetic Acid)	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetic acid, (2,4,5-trichlorophenoxy)-	35	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Aldrin	0	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Endosulfan	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Endosulfan	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
cis-Chlordane	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Dalapon	50	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Dicamba	44	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroprop	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dieldrin	0.004	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Dinoseb	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Endosulfan Sulfate	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin	0	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Aldehyde	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Ketone	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Gamma Bhc (Lindane)	0.05	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor Epoxide	0.03	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
MCPA	0.44	UG/L	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Methoxychlor	35	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
P,P'-DDD	0.3	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDE	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDT	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.005 J	0.029 U	0.007 J	0.029 U	0.029 U	0.029 U
Silvex (2,4,5-TP)	0.26	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Toxaphene	0.06	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
trans-Chlordane	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U

Table 7. Summary of Pesticides and Herbicides in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MW-8S	MW-8S	MW-10D	MW-10S	MW-11D	MW-11S
Sample Date:			09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/16/2024	09/16/2024
Normal Sample or Field Duplicate:			N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units						
2,4-(Dichlorophenoxy)butyric acid	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
2,4-D (Dichlorophenoxyacetic Acid)	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetic acid, (2,4,5-trichlorophenoxy)-	35	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Aldrin	0	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Endosulfan	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Endosulfan	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
cis-Chlordane	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Dalapon	50	UG/L	20 U	20 U	20 U	20 U	20 U	20 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Dicamba	44	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroprop	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Dieldrin	0.004	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Dinoseb	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Endosulfan Sulfate	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin	0	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Aldehyde	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Ketone	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Gamma Bhc (Lindane)	0.05	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor Epoxide	0.03	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
MCPA	0.44	UG/L	500 U	500 U	500 U	500 U	500 U	500 U
Methoxychlor	35	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
P,P'-DDD	0.3	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDE	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDT	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.007 J
Silvex (2,4,5-TP)	0.26	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Toxaphene	0.06	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
trans-Chlordane	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U

Table 7. Summary of Pesticides and Herbicides in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Sample Designation:			MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6	SCDOH-DR	EQUIPMENT BLANK	EQUIPMENT BLANK
Sample Date:			09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/18/2024	09/17/2024	09/20/2024	09/17/2024	09/18/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	EB	EB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units									
2,4-(Dichlorophenoxy)butyric acid	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-D (Dichlorophenoxyacetic Acid)	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetic acid, (2,4,5-trichlorophenoxy)-	35	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Aldrin	0	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Endosulfan	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Endosulfan	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
cis-Chlordane	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Dalapon	50	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Dicamba	44	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloroprop	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dieldrin	0.004	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Dinoseb	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Endosulfan Sulfate	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin	0	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Aldehyde	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Ketone	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Gamma Bhc (Lindane)	0.05	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor Epoxide	0.03	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
MCPA	0.44	UG/L	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Methoxychlor	35	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
P,P'-DDD	0.3	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDE	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDT	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Silvex (2,4,5-TP)	0.26	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Toxaphene	0.06	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
trans-Chlordane	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U

Table 8. Summary of General Chemistry in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	MP-1	MP-1D	MW-1DR2	MW-1DR2	MW-1SR	MW-4D2	MW-4S
Sample Designation:			MP-1	MP-1D	MW-1DR2	MW-1DR2	MW-1SR	MW-4D2	MW-4S
Sample Date:			09/17/2024	09/17/2024	09/16/2024	09/16/2024	09/16/2024	09/19/2024	09/19/2024
Normal Sample or Field Duplicate:			N	N	N	FD	N	N	N
Alkalinity, Bicarbonate (As CaCO3)	--	MGCACO3/L	63.2	49	35.6	35.1	60	24.2	18.1
Alkalinity, Carbonate (As CaCO3)	--	MGCACO3/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Alkalinity, Total (As CaCO3)	--	MGCACO3/L	NA	NA	NA	NA	NA	NA	NA
Biologic Oxygen Demand, Five Day	--	MG/L	NA	NA	NA	NA	NA	NA	NA
Bromide	--	MG/L	0.044 J	0.065	0.066	0.066	0.05 U	0.051	0.045 J
Chloride (As Cl)	250	MG/L	20	14	9	8.9	1.4	13	120
COD - Chemical Oxygen Demand	--	MG/L	NA	NA	NA	NA	NA	NA	NA
Fluoride	--	MG/L	0.05 J	0.03 J	0.03 J	0.03 J	0.09 J	0.04 J	0.02 J
Iodide (As I)	--	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrogen, Ammonia (As N)	2	MG/L	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Kjeldahl, Total	--	MG/L	0.3 U	0.128 J	0.138 J	0.113 J	0.277 J	0.084 J	0.3 U
Nitrogen, Nitrate (As N)	10	MG/L	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate-Nitrite	10	MG/L	0.51	0.84	1.2	1.2	0.93	2.2	5
Phosphorus	--	MG/L	0.092	0.15	0.018 J	0.025 J	0.031	0.058	0.022 J
Sulfate (As SO4)	250	MG/L	15	40	16	14	3.8 J	19	9.7 J
Sulfide	**0.05**	MG/L	2 U	2 U	2 U	2 U	**0.32 J**	2 U	2 U
Total Dissolved Solids (Residue, Filterable)	--	MG/L	120	160	78	79	31	52	280
Total Nitrogen, All Forms, Calculated	--	MG/L	0.51	0.84	1.2	1.2	0.93	2.2	5
Total Organic Carbon	--	MG/L	NA	NA	NA	NA	NA	NA	NA

Table 8. Summary of General Chemistry in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

		Sample Designation:	MW-5D	MW-6D	MW-8D	MW-8S	MW-8S	MW-10D	MW-10S
		Sample Date:	09/18/2024	09/17/2024	09/18/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024
		Normal Sample or Field Duplicate:	N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units							
Alkalinity, Bicarbonate (As CaCO3)	--	MGCACO3/L	30	44.3	20.2	13.6	9.66	44.1	17.1
Alkalinity, Carbonate (As CaCO3)	--	MGCACO3/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Alkalinity, Total (As CaCO3)	--	MGCACO3/L	NA	NA	NA	NA	NA	NA	NA
Biologic Oxygen Demand, Five Day	--	MG/L	NA	NA	NA	NA	NA	NA	NA
Bromide	--	MG/L	0.064	0.045 J	0.05 U	0.064	0.063	0.048 J	0.05 U
Chloride (As Cl)	250	MG/L	28	16	30	12	12	7	1.1
COD - Chemical Oxygen Demand	--	MG/L	NA	NA	NA	NA	NA	NA	NA
Fluoride	--	MG/L	0.03 J	0.04 J	0.03 J	0.04 J	0.04 J	0.04 J	0.2 U
Iodide (As I)	--	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrogen, Ammonia (As N)	2	MG/L	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Kjeldahl, Total	--	MG/L	0.3 U	0.086 J	0.3 U	0.3 U	0.248 J	0.092 J	0.3 U
Nitrogen, Nitrate (As N)	10	MG/L	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate-Nitrite	10	MG/L	6.6	1.9	3.8	1.2	1.2	0.1 U	0.24
Phosphorus	--	MG/L	0.037	0.04	0.022 J	0.052	0.052	0.071	0.031
Sulfate (As SO4)	250	MG/L	16	17	14	12	12	22	2.4 J
Sulfide	**0.05**	MG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total Dissolved Solids (Residue, Filterable)	--	MG/L	170	100	170	64	100	89	13 U
Total Nitrogen, All Forms, Calculated	--	MG/L	6.6	1.9	3.8	1.2	1.2	0.3 U	0.3 U
Total Organic Carbon	--	MG/L	NA	NA	NA	NA	NA	NA	NA

Table 8. Summary of General Chemistry in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6
Sample Designation:			MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6
Sample Date:			09/16/2024	09/16/2024	09/18/2024	09/18/2024	09/17/2024	09/17/2024	09/18/2024	09/17/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N
Alkalinity, Bicarbonate (As CaCO3)	--	MGCACO3/L	39.1	106	27.7	17.9	19.2	265	60.9	186
Alkalinity, Carbonate (As CaCO3)	--	MGCACO3/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Alkalinity, Total (As CaCO3)	--	MGCACO3/L	NA	NA	NA	NA	NA	NA	NA	NA
Biologic Oxygen Demand, Five Day	--	MG/L	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	--	MG/L	0.05 U	0.043 J	0.066	0.043 J	0.041 J	0.05 U	0.05 U	0.04 J
Chloride (As Cl)	250	MG/L	14	5.3	17	65	27	2.8	1.4	9.8
COD - Chemical Oxygen Demand	--	MG/L	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride	--	MG/L	0.04 J	0.03 J	0.03 J	0.02 J	0.02 J	0.03 J	0.02 J	0.07 J
Iodide (As I)	--	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Nitrogen, Ammonia (As N)	2	MG/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Kjeldahl, Total	--	MG/L	0.141 J	0.092 J	0.3 U	0.075 J	0.3 U	0.3 U	0.513	0.102 J
Nitrogen, Nitrate (As N)	10	MG/L	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate-Nitrite	10	MG/L	0.36	0.8	5	2.1	2.5	4.2	0.88	0.9
Phosphorus	--	MG/L	0.172	0.04	0.015 J	0.025 J	0.018 J	0.086	0.031	0.15
Sulfate (As SO4)	250	MG/L	25	5.8 J	14	13	13	32	11	31
Sulfide	**0.05**	MG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total Dissolved Solids (Residue, Filterable)	--	MG/L	92	79	180	180	110	320	100	240
Total Nitrogen, All Forms, Calculated	--	MG/L	0.36	0.8	5	2.1	2.5	4.2	1.4	0.9
Total Organic Carbon	--	MG/L	NA	NA	NA	NA	NA	NA	NA	NA

Table 8. Summary of General Chemistry in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	Sample Designation: PZ-6	SCDOH-DR	EQUIPMENT BLANK	EQUIPMENT BLANK
			Sample Date: 09/17/2024	09/20/2024	09/17/2024	09/18/2024
			Normal Sample or Field Duplicate: FD	N	EB	EB
Alkalinity, Bicarbonate (As CaCO3)	--	MGCACO3/L	NA	29	2 U	2 U
Alkalinity, Carbonate (As CaCO3)	--	MGCACO3/L	NA	2 U	2 U	2 U
Alkalinity, Total (As CaCO3)	--	MGCACO3/L	NA	NA	NA	NA
Biologic Oxygen Demand, Five Day	--	MG/L	NA	NA	NA	NA
Bromide	--	MG/L	NA	0.05 U	0.05 U	0.05 U
Chloride (As Cl)	250	MG/L	NA	42	1 U	1 U
COD - Chemical Oxygen Demand	--	MG/L	NA	NA	NA	NA
Fluoride	--	MG/L	NA	0.03 J	0.2 U	0.2 U
Iodide (As I)	--	MG/L	NA	0.5 U	0.5 U	0.5 U
Nitrogen, Ammonia (As N)	2	MG/L	NA	NA	NA	NA
Nitrogen, Kjeldahl, Total	--	MG/L	NA	0.263 J	0.219 J	0.3 U
Nitrogen, Nitrate (As N)	10	MG/L	NA	NA	NA	NA
Nitrogen, Nitrate-Nitrite	10	MG/L	NA	3.4	0.1 U	0.1 U
Phosphorus	--	MG/L	NA	0.012 J	0.031 U	0.031 U
Sulfate (As SO4)	250	MG/L	NA	14	2.1 J	2 J
Sulfide	**0.05**	MG/L	NA	2 U	2 U	2 U
Total Dissolved Solids (Residue, Filterable)	--	MG/L	NA	140	10 U	5 J
Total Nitrogen, All Forms, Calculated	--	MG/L	NA	3.4	0.3 U	0.3 U
Total Organic Carbon	--	MG/L	NA	NA	NA	NA

Table 9. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Guidance	Units	Sample Designation: MW-10S	MW-4S	MW-8S	PZ-6	PZ-6	EQUIPMENT BLANK_P
			Sample Date: 09/17/2024	09/19/2024	09/19/2024	09/17/2024	09/17/2024	09/17/2024
			Normal Sample or Field Duplicate: N	N	N	N	FD	EB
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	--	UG/L	0.0065 U	0.0064 U	0.00636 U	0.00621 U	0.00584 U	0.00692 U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2Fts)	--	UG/L	0.0065 U	0.0064 U	0.00636 U	0.00621 U	0.00584 U	0.00692 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	--	UG/L	0.0162 U	0.016 U	0.0159 U	0.0155 U	0.0146 U	0.0173 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	--	UG/L	0.0162 U	0.016 U	0.0159 U	0.0155 U	0.0146 U	0.0173 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	UG/L	0.0406 U	0.04 U	0.0398 U	0.0388 U	0.0365 U	0.0432 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	UG/L	0.0406 U	0.04 U	0.0398 U	0.0388 U	0.0365 U	0.0432 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	--	UG/L	0.00812 U	0.008 U	0.00795 U	0.00776 U	0.0073 U	0.00865 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	UG/L	0.0065 U	0.0064 U	0.000723 J	0.00621 U	0.00584 U	0.00692 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	--	UG/L	0.0065 U	0.0064 U	0.00636 U	0.00621 U	0.00584 U	0.00692 U
N-ethyl perfluoro-1-octanesulfonamide	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
N-methyl perfluoro-1-octanesulfonamide	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	UG/L	0.00325 U	0.0032 U	0.00318 U	0.0031 U	0.00292 U	0.00346 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	--	UG/L	0.00325 U	0.0032 U	0.000342 J	0.0031 U	0.00292 U	0.00346 U
Perfluoro(2-Propoxypropanoic) Acid	--	UG/L	0.0065 U	0.0064 U	0.00636 U	0.00621 U	0.00584 U	0.00692 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	--	UG/L	0.00325 U	0.0032 U	0.00318 U	0.0031 U	0.00292 U	0.00346 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	--	UG/L	0.00325 U	0.0032 U	0.00318 U	0.0031 U	0.00292 U	0.00346 U
Perfluorobutanesulfonic acid (PFBS)	--	UG/L	0.00056 J	0.00376	0.000533 J	0.00158	0.00188	0.00173 U
Perfluorobutanoic Acid	--	UG/L	0.00368 J	0.00496 J	0.00456 J	0.0166	0.0179	0.00692 U
Perfluorodecane Sulfonic Acid	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
Perfluorodecanoic acid (PFDA)	--	UG/L	0.000804 J	0.0016 U	0.00159 U	0.000698 J	0.000686 J	0.00173 U
Perfluorododecane sulfonate (PFDoDS)	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
Perfluorododecanoic acid (PFDoA)	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
Perfluoroheptane Sulfonate (PFHPS)	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00123 J	0.00112 J	0.00173 U
Perfluoroheptanoic acid (PFHpA)	--	UG/L	0.00149 J	0.00255	0.000874 J	0.00203	0.00219	0.00173 U
Perfluorohexanesulfonic acid (PFHxS)	--	UG/L	0.00162 U	0.00191	0.000596 J	0.0069	0.00738	0.00173 U
Perfluorohexanoic acid (PFHxA)	--	UG/L	0.00204	0.00393	0.00097 J	0.00278	0.00242	0.00173 U
Perfluorononanesulfonic Acid (PFNS)	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
Perfluorononanoic acid (PFNA)	--	UG/L	0.00238	0.0016 U	0.00031 JF	0.00931	0.00902	0.00173 U
Perfluorooctane Sulfonamide (FOSA)	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
Perfluorooctanesulfonic acid (PFOS)	**0.0027**	UG/L	0.00227	**0.00278**	0.000962 J	**0.0395**	**0.0386**	0.00173 U
Perfluorooctanoic acid (PFOA)	**0.0067**	UG/L	0.00183	**0.00824**	0.00149 J	**0.0177**	**0.0164**	0.00173 U
Perfluoropentanesulfonic Acid (PFPeS)	--	UG/L	0.00162 U	0.000248 J	0.000254 J	0.000365 J	0.000401 J	0.00173 U
Perfluoropentanoic Acid (PFPeA)	--	UG/L	0.00134 J	0.00422	0.00105 J	0.00232 J	0.0026 J	0.00346 U

Table 9. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

		Sample Designation:	MW-10S	MW-4S	MW-8S	PZ-6	PZ-6	EQUIPMENT BLANK_P
		Sample Date:	09/17/2024	09/19/2024	09/19/2024	09/17/2024	09/17/2024	09/17/2024
		Normal Sample or Field Duplicate:	N	N	N	N	FD	EB
Parameter	NYSDEC Ambient Water Quality Guidance	Units						
Perfluorotetradecanoic acid (PFTA)	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
Perfluorotridecanoic Acid (PFTriA)	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
Perfluoroundecanoic Acid (PFUnA)	--	UG/L	0.00162 U	0.0016 U	0.00159 U	0.00155 U	0.00146 U	0.00173 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	UG/L	0.0065 U	0.0064 U	0.00636 U	0.00621 U	0.00584 U	0.00692 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	UG/L	0.0065 U	0.0064 U	0.00636 U	0.00621 U	0.00584 U	0.00692 U

Table 9. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

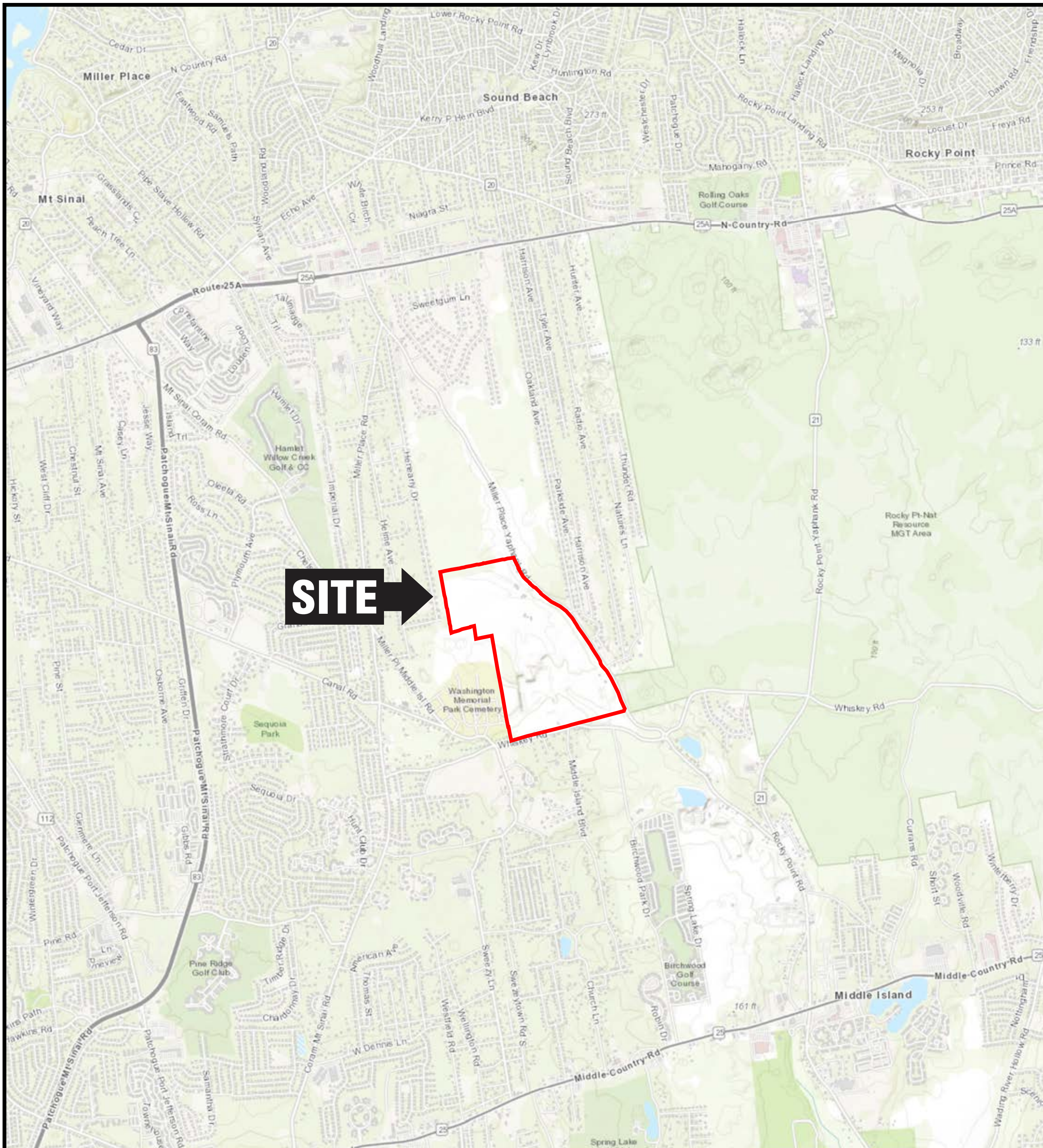
	Sample Designation:		EQUIPMENT BLANK
	Sample Date:		09/19/2024
	Normal Sample or Field Duplicate:		EB
Parameter	NYSDEC Ambient Water Quality Guidance	Units	
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	--	UG/L	0.00616 U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2Fts)	--	UG/L	0.00616 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	--	UG/L	0.0154 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	--	UG/L	0.0154 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	UG/L	0.00154 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	UG/L	0.0385 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	UG/L	0.0385 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	--	UG/L	0.00771 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	UG/L	0.00616 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	--	UG/L	0.00616 U
N-ethyl perfluoro-1-octanesulfonamide	--	UG/L	0.00154 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	UG/L	0.00154 U
N-methyl perfluoro-1-octanesulfonamide	--	UG/L	0.00154 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	UG/L	0.00308 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	--	UG/L	0.00308 U
Perfluoro(2-Propoxypropanoic) Acid	--	UG/L	0.00616 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	--	UG/L	0.00308 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	--	UG/L	0.00308 U
Perfluorobutanesulfonic acid (PFBS)	--	UG/L	0.00154 U
Perfluorobutanoic Acid	--	UG/L	0.00616 U
Perfluorodecane Sulfonic Acid	--	UG/L	0.00154 U
Perfluorodecanoic acid (PFDA)	--	UG/L	0.00154 U
Perfluorododecane sulfonate (PFDoDS)	--	UG/L	0.00154 U
Perfluorododecanoic acid (PFDoA)	--	UG/L	0.00154 U
Perfluoroheptane Sulfonate (PFHPS)	--	UG/L	0.00154 U
Perfluoroheptanoic acid (PFHpA)	--	UG/L	0.00154 U
Perfluorohexanesulfonic acid (PFHxS)	--	UG/L	0.00154 U
Perfluorohexanoic acid (PFHxA)	--	UG/L	0.00154 U
Perfluorononanesulfonic Acid (PFNS)	--	UG/L	0.00154 U
Perfluorononanoic acid (PFNA)	--	UG/L	0.00154 U
Perfluorooctane Sulfonamide (FOSA)	--	UG/L	0.00154 U
Perfluorooctanesulfonic acid (PFOS)	**0.0027**	UG/L	0.00154 U
Perfluorooctanoic acid (PFOA)	**0.0067**	UG/L	0.00154 U
Perfluoropentanesulfonic Acid (PFPeS)	--	UG/L	0.00154 U
Perfluoropentanoic Acid (PFPeA)	--	UG/L	0.00308 U

Table 9. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

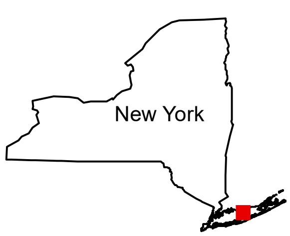
		Sample Designation:	EQUIPMENT BLANK
		Sample Date:	09/19/2024
		Normal Sample or Field Duplicate:	EB
Parameter	NYSDEC Ambient Water Quality Guidance	Units	
Perfluorotetradecanoic acid (PFTA)	--	UG/L	0.00154 U
Perfluorotridecanoic Acid (PFTriA)	--	UG/L	0.00154 U
Perfluoroundecanoic Acid (PFUnA)	--	UG/L	0.00154 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	UG/L	0.00616 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	UG/L	0.00616 U

FIGURES

1. Site Location Map
2. Site Plan
3. Groundwater Elevation Contour Map; Shallow Wells
4. Groundwater Elevation Contour Map; Deep Wells
5.



QUADRANGLE LOCATION



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2,000 0 2,000'

Title:

SITE LOCATION MAP

416 MILLER PLACE-YAPHANK ROAD
MILLER PLACE, NEW YORK

Prepared for:

K&L GATES LLP

ROUX

Compiled by: V.S.	Date: 11/07/24	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	1
Project Mgr: V.S.	Project: 2232.0006Y000	
File: 2232.0006Y128.1.mxd		

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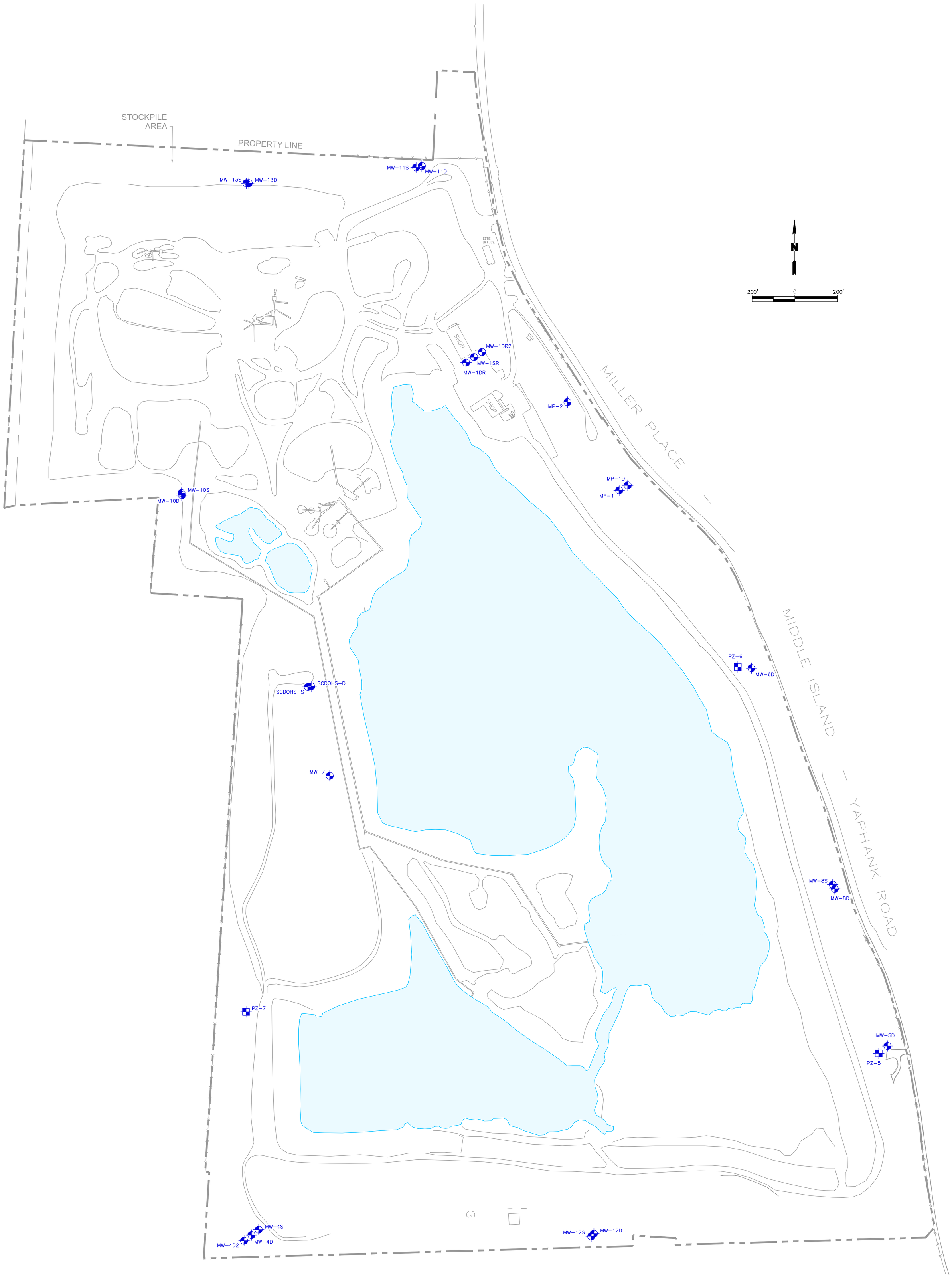

LEGEND

- MW-1DR — MONITORING WELL LOCATION AND DESIGNATION
- P-7 — PIEZOMETER LOCATION AND DESIGNATION
- CURRENT LAKES AND PONDS

NOTES

1. PROPERTY LINE SURVEY BY: FRANCIS X. KARL, BLUE POINT, NY. LAST REVISED OCT. 23, 2015
2. CONVEYOR BELT LAYOUT SCHEMATIC AS SHOWN.
3. CURRENT EXTENT OF SURFACE WATER ONSITE BASED ON GOOGLE AERIAL IMAGE AS OF 2019.

Title:

SITE PLAN

416 MILLER PLACE-YAPHANK ROAD
MILLER PLACE, NEW YORK

Prepared for:

CORAM MATERIALS CORP.

ROUX

Compiled by: J.M.	Date: 07NOV24	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr: J.M.	Project: 2232.0006Y003	
File: 2232.0006Y128.02.DWG		

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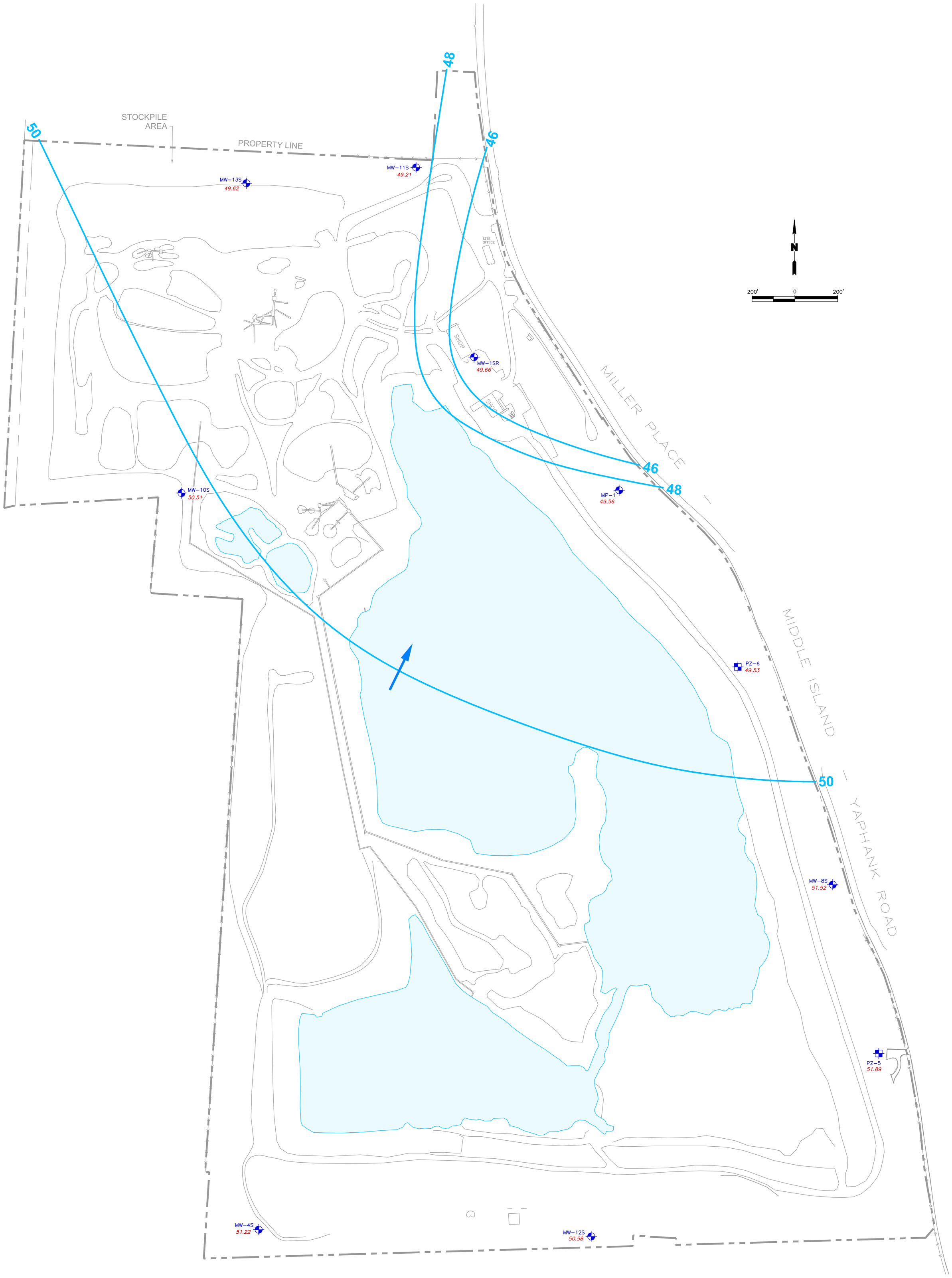

LEGEND

MW-13S	SHALLOW MONITORING WELL LOCATION AND DESIGNATION
P-7	PIEZOMETER LOCATION AND DESIGNATION
49.62	GROUNDWATER ELEVATION, IN FEET RELATIVE TO NAVD88
	SURFACE WATER
46	LINE OF EQUAL WATER-LEVEL ELEVATION, IN FEET RELATIVE TO NAVD88 (DASHED WHERE ESTIMATED)
	GROUNDWATER FLOW DIRECTION

NOTES

1. PROPERTY LINE SURVEY BY: FRANCIS X. KARL, BLUE POINT, NY. LAST REVISED OCT. 23, 2015
2. CONVEYOR BELT LAYOUT SCHEMATIC AS SHOWN.
3. CURRENT EXTENT OF SURFACE WATER ONSITE BASED ON GOOGLE AERIAL IMAGE AS OF 2019.

Title:

GROUNDWATER ELEVATIONS AND CONTOUR MAP - SHALLOW WELLS SEPTEMBER 16, 2024

416 MILLER PLACE-YAPHANK ROAD
MILLER PLACE, NEW YORK

Prepared for:

CORAM MATERIALS CORP.

ROUX

Compiled by: J.M.	Date: 15NOV24	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	3
Project Mgr: J.M.	Project: 2232.0006Y003	
File: 2232.0006Y128.03.DWG		

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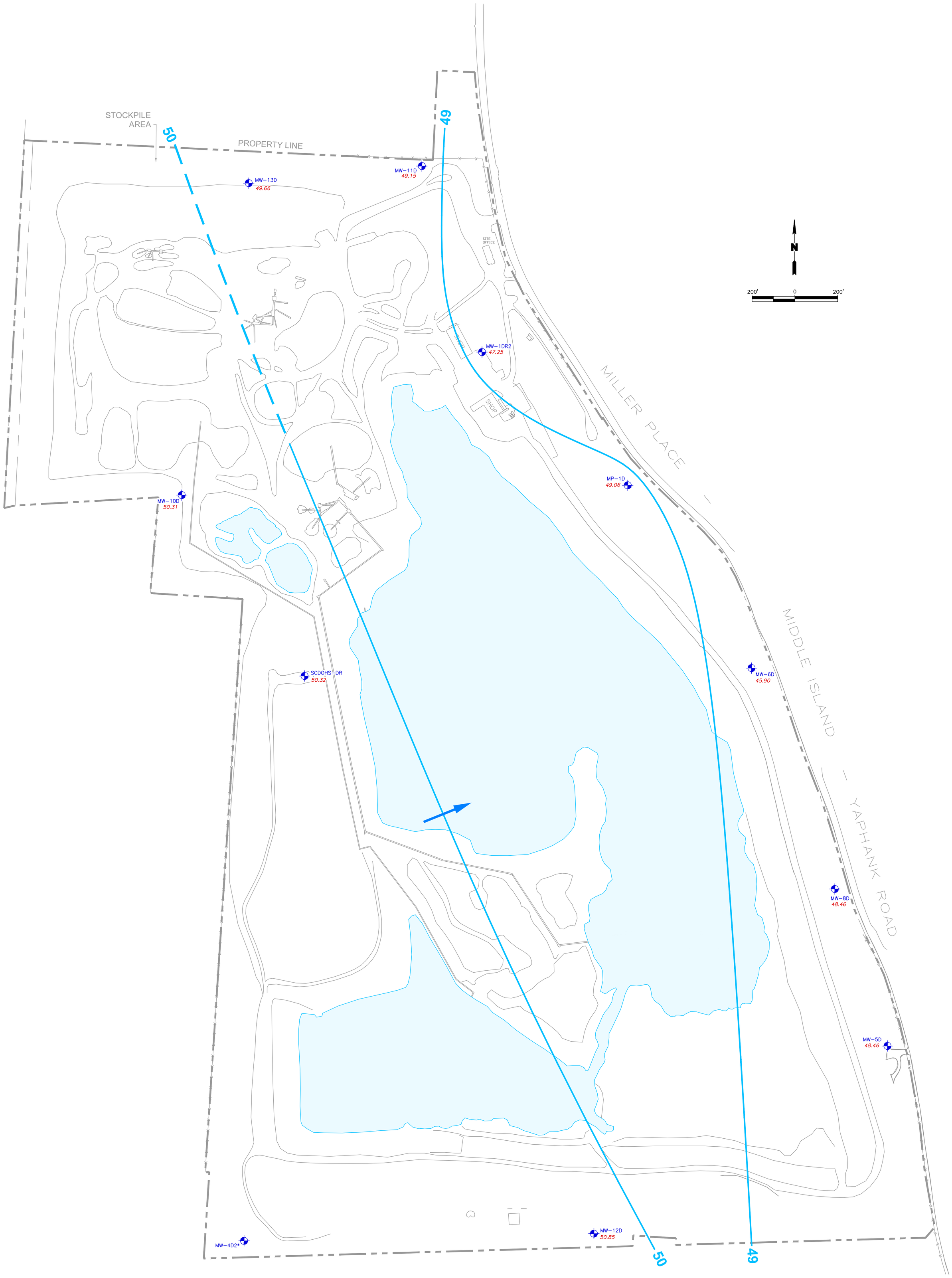

LEGEND

MW-13D	SHALLOW MONITORING WELL LOCATION AND DESIGNATION
49.66	GROUNDWATER ELEVATION, IN FEET RELATIVE TO NAVD88
*	DENOTES GROUNDWATER ELEVATION NOT USED DURING CONTOURING DUE TO ANOMALOUS READING
	SURFACE WATER
49	LINE OF EQUAL WATER-LEVEL ELEVATION, IN FEET RELATIVE TO NAVD88 (DASHED WHERE ESTIMATED)
	GROUNDWATER FLOW DIRECTION

NOTES

1. PROPERTY LINE SURVEY BY: FRANCIS X. KARL, BLUE POINT, NY. LAST REVISED OCT. 23, 2015
2. CONVEYOR BELT LAYOUT SCHEMATIC AS SHOWN.
3. CURRENT EXTENT OF SURFACE WATER ONSITE BASED ON GOOGLE AERIAL IMAGE AS OF 2019.

Title:

GROUNDWATER ELEVATION AND CONTOUR MAP - DEEP WELLS SEPTEMBER 16, 2024

416 MILLER PLACE-YAPHANK ROAD
MILLER PLACE, NEW YORK

Prepared for:

CORAM MATERIALS CORP.

ROUX

Compiled by: J.M.	Date: 15NOV24	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	4
Project Mgr: J.M.	Project: 2232.0006Y003	
File: 2232.0006Y128.04.DWG		

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APPENDICES

A. Field Instrument Calibration Log
B. Groundwater Low-Flow Purge Logs
C. Laboratory Analytical Reports
D. Field Notes
E. Chains of Custody

APPENDIX A

Field Instrument Calibration

Appendix A. 3rd Quarter 2024 Calibration Log
Coram Materials, 416 Miller Place-Yaphank Road, Miller Place, New York,

Calibration Log

Client: **Coram Materials Corp./USC Atlantic, Inc.** **Project Number** 2232.0006Y005

Site Location: **416 Miller Place-Yaphank Road, Miller Place, NY**

Date	Serial No.	Cal Soln. Lot #	Cal Soln. Exp.	pH	Conductivity	Turbidity	D.O.
9/16/2024	POPSSSK5	24007124	2/28/2025	4.01	4.49	0.2	9.68
9/16/2024	NPADYHH2	24009059	3/1/2025	4.02	4.45	0.0	9.47
9/17/2024	POPSSSK5	24009059	3/1/2025	4.00	4.50	0.2	11.38
9/17/2024	NPADYHH2	24009059	3/1/2025	4.00	4.24	0.4	11.35
9/18/2024	POPSSSK5	24007124	2/28/2025	4.02	4.24	0.0	10.58
9/18/2024	NPADYHH2	24007124	2/28/2025	4.00	4.49	0.0	10.84
9/19/2024	POPSSSK5	24009059	3/1/2025	4.00	4.49	0.2	10.29
9/19/2024	NPADYHH2	24007124	2/28/2025	4.00	4.49	0.2	10.35
9/20/2024	POPSSSK5	24009059	3/1/2025	4.00	4.51	0	9.8
9/20/2024	NPADYHH2	24007124	2/28/2025	4.00	4.49	0.2	9.85

APPENDIX B

Groundwater Low-Flow Purge Logs

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: SCDOH-DR Weather: 65F, Sunny

Date: 9/20/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 137.76 Water Column (ft): 92.75

Depth to Water(ft): 45.01 Volume of Water in Well (gal) 15.14

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:30 Purge Rate: 200 mL/min

End Purging: 9:09 Volume of Water Removed (gal): 50

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 9:00 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
8:35	45.25	300	280	0.260	110.0	5.34	13.53	13.56
8:40	45.3	300	272	0.247	39.2	5.33	13.26	10.29
8:45	45.25	300	272	0.246	0.0	5.32	13.23	10.17
8:50	45.25	300	271	0.246	0.0	5.39	13.21	10.00
8:55	45.25	300	268	0.245	0.0	5.51	13.21	9.79
9:00	45.25	300	266	0.245	0.0	5.59	13.2	9.68

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MP-1 Weather: 65 F, Cloudy

Date: 9/17/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 59.37 Water Column (ft): 11.91

Depth to Water(ft): 47.46 Volume of Water in Well (gal) 1.94

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:18 Purge Rate: 200 mL/min

End Purging: 11:06 Volume of Water Removed (gal): 15

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: light brown/clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 10:51 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
10:26	47.42	200	195	0.237	11.900	6.78	18.13	1.55
10:31	47.46	200	146	0.237	0.000	7.01	18.59	1.42
10:36	47.46	200	141	0.237	0.000	7.02	18.59	1.36
10:41	47.47	200	138	0.237	0.000	7.03	18.59	1.34
10:46	47.47	200	137	0.237	0.000	7.03	18.63	1.33
10:51	47.47	200	137	0.237	0.000	7.04	18.64	1.31

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MP-1D Weather: 65 F, Cloudy

Date: 9/17/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 215.30 Water Column (ft): 166.40

Depth to Water(ft): 48.90 Volume of Water in Well (gal) 27.16

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:20 Purge Rate: 200 mL/min

End Purging: 11:32 Volume of Water Removed (gal): 50

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 11:30 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
10:45	48.98	200	121	0.230	476.0	6.49	14.05	0.00
10:50	48.98	200	122	0.230	352.0	6.46	14.04	0.00
10:55	48.98	200	130	0.231	259.0	6.46	14.00	0.00
11:00	48.98	200	132	0.231	168.0	6.44	14.00	0.00
11:05	48.98	200	136	0.231	123.0	6.43	14.00	0.00
11:10	48.98	200	141	0.231	61.5	6.43	14.00	0.00
11:15	48.98	200	147	0.231	18.5	6.43	14.00	0.00
11:20	48.98	200	148	0.231	16.9	6.44	13.99	0.00
11:25	48.98	200	148	0.231	7.5	6.44	13.99	0.00

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-1SR Weather: 65 F, Sunny

Date: 9/16/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 30.86 Water Column (ft): 6.93

Depth to Water(ft): 23.93 Volume of Water in Well (gal) 1.13

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:30 Purge Rate: 300 mL/min

End Purging: 1200 Volume of Water Removed (gal): 5

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 11:10 (GW STUDY MS/MSD) Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
10:45	23.95	300	193	0.132	0.0	6.30	18.42	5.36
10:50	23.95	300	144	0.124	0.0	6.65	19.26	5.17
10:55	23.95	300	144	0.123	0.0	6.71	19.84	5.11
11:00	23.95	300	142	0.123	0.0	6.76	20.27	4.90
11:05	23.95	300	138	0.121	0.0	6.79	20.90	4.78
11:10	23.95	300	136	0.12	0.0	6.82	21.64	4.63

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-1DR2 Weather: 75 F, Sunny

Date: 9/16/2024 Purge Water Disposal: N/A

Sampled By: JM Well Diameter / Type: 2" stick-up

Depth of Well (ft): 190.44 Water Column (ft): 164.18

Depth to Water(ft): 26.26 Volume of Water in Well (gal) 26.80

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:25 Purge Rate: 200 mL/min

End Purging: 12:05 Volume of Water Removed (gal): 75

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 11:50, DUP @ 12:00 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
11:05	29.94	200	135	0.146	0.0	6.10	12.59	6.41
11:10	29.92	200	143	0.145	0.0	6.08	12.75	6.33
11:15	29.92	200	166	0.132	0.0	5.98	12.89	8.50
11:20	29.92	200	200	0.136	0.0	5.85	12.69	5.96
11:25	29.92	200	179	0.139	0.0	5.90	12.64	5.53
11:30	29.92	200	162	0.144	0.0	5.95	12.62	5.44
11:35	29.92	200	153	0.145	0.0	6.05	12.61	5.37
11:40	29.92	200	151	0.145	0.0	6.10	12.61	5.36
11:45	29.92	200	150	0.145	0.0	6.12	12.61	5.35

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-4S Weather: 65 F, Cloudy

Date: 9/19/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 76.10 Water Column (ft): 7.16

Depth to Water(ft): 68.94 Volume of Water in Well (gal) 1.17

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 9:48 Purge Rate: 250 mL/min

End Purging: 10:55 Volume of Water Removed (gal): 10

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study, up/downgradient extra analyses

Time: 10:25 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
9:55	69.0	250	258	0.497	0.0	5.85	14.41	10.20
10:00	69.0	250	264	0.510	0.0	5.78	14.25	9.43
10:05	69.0	250	260	0.519	0.0	5.78	14.25	9.17
10:10	69.0	250	263	0.520	0.0	5.76	14.22	8.80
10:15	69.0	250	264	0.522	0.0	5.76	14.21	8.84
10:20	69.0	250	265	0.520	0.0	5.75	14.19	8.72
10:25	69.0	250	266	0.519	0.0	5.76	14.2	8.67

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-4D2 Weather: 65 F, Cloudy

Date: 9/19/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 234.79 Water Column (ft): 164.69

Depth to Water(ft): 70.10 Volume of Water in Well (gal) 26.88

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:20 Purge Rate: 300 mL/min

End Purging: 9:45 Volume of Water Removed (gal): 75

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 9:30 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
9:00	70.2	300	252	0.158	0.0	5.92	12.45	9.44
9:05	70.2	300	251	0.158	0.0	5.80	12.34	8.00
9:10	70.2	300	256	0.158	0.0	5.48	12.26	7.21
9:15	70.2	300	256	0.158	0.0	5.47	12.26	7.16
9:20	70.2	300	253	0.158	0.0	5.50	12.26	7.00
9:25	70.2	300	250	0.159	0.0	5.59	12.23	6.91

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: PZ-5 Weather: 65 F, Cloudy

Date: 9/18/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 34.81 Water Column (ft): 5.11

Depth to Water(ft): 29.70 Volume of Water in Well (gal) 0.83

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:50 Purge Rate: 200 mL/min

End Purging: 11:37 Volume of Water Removed (gal): 3

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 11:25 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
10:55	29.69	200	235	0.151	410.0	6.46	16.51	14.05
11:00	29.69	200	215	0.150	203.0	6.49	17.4	7.93
11:05	29.69	200	249	0.151	222.0	6.45	20.13	7.34
11:15	29.69	200	215	0.149	0.0	6.44	16.80	7.15
11:20	29.69	200	216	0.146	0.0	6.42	16.64	6.87
11:25	29.69	200	218	0.146	0.0	6.41	16.61	6.74

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-5D Weather: 65 F, Cloudy

Date: 9/18/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 195.66 Water Column (ft): 164.20

Depth to Water(ft): 31.46 Volume of Water in Well (gal) 26.80

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:45 Purge Rate: 200 mL/min

End Purging: 11:50 Volume of Water Removed (gal): 75

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 11:45 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
11:05	31.65	200	253	0.253	176.0	5.81	12.5	9.44
11:10	31.65	200	251	0.253	148.0	5.80	12.42	7.83
11:15	31.65	200	252	0.254	86.7	5.69	12.36	6.65
11:20	31.65	200	253	0.253	53.8	5.63	12.33	6.37
11:25	31.65	200	251	0.253	23.3	5.63	12.32	6.30
11:30	31.65	200	243	0.253	9.5	5.70	12.28	6.17
11:35	31.65	200	239	0.253	2.6	5.74	12.26	6.05
11:40	31.65	200	239	0.253	0.0	5.77	12.26	6.00

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: PZ-6 Weather: 75 F, Partly Cloudy

Date: 9/17/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 49.37 Water Column (ft): 11.58

Depth to Water(ft): 37.79 Volume of Water in Well (gal) 1.89

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 12:20 Purge Rate: 250 mL/min

End Purging: 13:30 Volume of Water Removed (gal): 6

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 12:55 and DUP for up/downgradient extra analyses at 1200 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
12:30	37.79	250	155	0.409	61.1	7.14	16.41	2.73
12:35	37.79	250	149	0.409	50.6	7.16	16.39	2.30
12:40	37.79	250	147	0.416	22.4	7.18	16.32	1.97
12:45	37.79	250	147	0.410	2.0	7.19	16.33	2.00
12:50	37.79	250	146	0.418	0.0	7.19	16.31	1.77
12:55	37.79	250	146	0.415	0.0	7.20	16.32	1.69

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-6D Weather: 75 F, Partly Cloudy

Date: 9/17/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 200.12 Water Column (ft): 159.02

Depth to Water(ft): 41.10 Volume of Water in Well (gal) 25.95

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 12:15 Purge Rate: 200 mL/min

End Purging: 13:10 Volume of Water Removed (gal): 85

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW study

Time: 1300 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
12:25	41.14	200	175	0.196	85.4	6.17	13.54	5.30
12:30	41.14	200	175	0.196	58.9	6.11	13.55	4.91
12:35	41.14	200	192	0.196	7.7	5.88	13.5	4.69
12:40	41.14	200	200	0.196	0.0	5.82	13.44	4.58
12:45	41.14	200	205	0.196	0.0	5.84	13.41	4.50
12:50	41.14	200	206	0.196	0.0	5.86	13.42	4.45
12:55	41.14	200	206	0.196	0.0	5.87	13.41	4.44

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-8S Weather: 60 F, Cloudy

Date: 9/18/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 52.02 Water Column (ft): 17.68

Depth to Water(ft): 34.34 Volume of Water in Well (gal) 2.89

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:28 Purge Rate: 200 mL/min

End Purging: 9:35 Volume of Water Removed (gal): 9

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Light brown/clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 9:10 and DUP @ 1200 (GW Study and up/downgradient extra analyses Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
8:40	35.05	200	305	0.121	74.2	5.29	14.5	5.69
8:45	35.05	200	319	0.118	7.2	5.26	14.45	5.40
8:50	35.05	200	323	0.117	0.0	5.23	14.45	5.34
8:55	35.05	200	329	0.117	0.0	5.20	14.45	5.37
9:00	35.05	200	334	0.117	0.0	5.16	14.44	5.30
9:05	35.05	200	342	0.117	0.0	5.14	14.46	5.34
9:10	35.05	200	342	0.117	0.0	5.12	14.45	5.36

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-8D Weather: 60 F, Cloudy

Date: 9/18/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 200.61 Water Column (ft): 162.67

Depth to Water(ft): 37.94 Volume of Water in Well (gal) 26.55

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:30 Purge Rate: 200 mL/min

End Purging: 9:40 Volume of Water Removed (gal): 75

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 9:05, MS/MSD for GW study Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
8:35	37.18	200	210	0.211	102.0	6.00	13.00	13.53
8:40	37.18	200	222	0.206	55.7	5.99	12.94	12.15
8:45	37.18	200	233	0.205	15.7	5.97	12.92	11.44
8:50	37.18	200	238	0.205	3.0	5.95	12.88	11.06
8:55	37.18	200	240	0.205	0.0	5.96	12.87	10.95
9:00	37.18	200	243	0.205	0.0	5.96	12.86	10.70

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-10S Weather: 65 F, Cloudy

Date: 9/17/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 28.31 Water Column (ft): 8.35

Depth to Water(ft): 19.96 Volume of Water in Well (gal) 1.36

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:52 Purge Rate: 250 mL/min

End Purging: 9:44 Volume of Water Removed (gal): 5

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Light brown/ clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 9:21, MS/MSD for up&downgradient extra analyses Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
8:56	19.96	250	235	0.046	200.0	5.76	15.90	10.30
9:01	19.96	250	243	0.046	33.7	5.74	16.08	9.35
9:06	19.97	250	254	0.045	16.4	5.60	16.31	9.09
9:11	19.97	250	255	0.046	0.0	5.73	16.13	8.83
9:16	19.97	250	258	0.046	0.0	5.77	16.16	8.86
9:21	19.97	250	260	0.046	0.0	5.78	16.18	8.96

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-10D Weather: 65 F, Cloudy

Date: 9/17/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 196.55 Water Column (ft): 176.05

Depth to Water(ft): 20.50 Volume of Water in Well (gal) 28.73

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:50 Purge Rate: 250 mL/min

End Purging: 9:30 Volume of Water Removed (gal): 75

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 9:25 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
8:55	20.5	250	18	0.163	70.3	7.50	11.94	1.70
9:00	21.1	250	24	0.157	29.9	7.33	12.07	0.00
9:05	21.1	250	29	0.154	0.0	7.28	11.98	0.00
9:10	21.1	250	31	0.152	0.0	7.23	11.93	0.00
9:15	21.1	250	32	0.151	0.0	7.22	11.91	0.00
9:20	21.1	250	31	0.151	0.0	7.22	11.92	0.00

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-11S Weather: 75 F, Partly Cloudy

Date: 9/16/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 67.28 Water Column (ft): 7.07

Depth to Water(ft): 60.21 Volume of Water in Well (gal) 1.15

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 13:40 Purge Rate: 200 mL/min

End Purging: 14:30 Volume of Water Removed (gal): 15

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 14:20 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
13:50	60.32	200	242	0.235	0.0	6.31	14.59	13.08
13:55	60.32	200	244	0.235	0.0	6.29	14.61	9.74
14:00	60.32	200	244	0.234	0.0	6.28	14.57	9.35
14:05	60.32	200	245	0.234	0.0	6.27	14.60	8.98
14:10	60.32	200	245	0.235	0.0	6.26	14.62	8.93
14:15	60.32	200	245	0.235	0.0	6.26	14.63	8.88

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-11D Weather: 75 F ,Sunny

Date: 9/16/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 156.47 Water Column (ft): 94.58

Depth to Water(ft): 61.89 Volume of Water in Well (gal) 15.44

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 13:22 Purge Rate: 300 mL/min

End Purging: 14:20 Volume of Water Removed (gal): 50

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Light brown/ clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 14:15 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
13:50	62.43	300	1	0.185	5.8	5.98	13.29	0.95
13:55	62.8	300	18	0.185	0.0	5.87	13.21	0.02
14:00	62.82	300	25	0.186	0.0	5.86	13.19	0.00
14:05	63.25	300	27	0.186	0.0	5.88	13.16	0.00
14:10	63.31	300	27	0.187	0.0	5.94	13.16	0.00
14:15	63.31	300	27	0.187	0.0	5.97	13.18	0.00

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-12S Weather: 65 F, Cloudy

Date: 9/18/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 75.64 Water Column (ft): 16.94

Depth to Water(ft): 58.70 Volume of Water in Well (gal) 2.76

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 12:20 Purge Rate: 200 mL/min

End Purging: 13:05 Volume of Water Removed (gal): 10

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 12:55 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
12:30	58.75	200	273	0.326	187.0	6.15	13.90	13.42
12:35	58.7	200	269	0.335	62.4	5.78	14	11.75
12:40	58.7	200	270	0.343	27.1	5.74	13.99	11.51
12:45	58.7	200	271	0.329	0.0	5.72	13.81	10.64
12:50	58.7	200	272	0.320	0.0	5.71	13.80	10.64
12:55	58.7	200	275	0.317	0.0	5.68	13.76	10.62

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-12D Weather: 65 F, Cloudy

Date: 9/18/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 229.49 Water Column (ft): 170.64

Depth to Water(ft): 58.85 Volume of Water in Well (gal) 27.85

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 12:15 Purge Rate: 200 mL/min

End Purging: 13:10 Volume of Water Removed (gal): 75

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 13:00 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
12:30	59.16	200	244	0.199	39.8	5.70	12.6	4.52
12:35	59.16	200	255	0.198	12.7	5.54	12.44	2.72
12:40	59.16	200	261	0.198	0.7	5.48	12.44	2.32
12:45	59.16	200	263	0.198	0.0	5.48	12.40	2.17
12:50	59.16	200	268	0.198	0.0	5.46	12.40	2.02
12:55	59.16	200	270	0.198	0.0	5.46	12.39	1.99

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MP-1 Weather: 63 F, Cloudy

Date: 9/17/2024 Purge Water Disposal: N/A

Sampled By: AI Well Diameter / Type: 2" stick-up

Depth of Well (ft): 44.52 Water Column (ft): 10.21

Depth to Water(ft): 34.31 Volume of Water in Well (gal) 1.67

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 7:46 Purge Rate: 200 mL/min

End Purging: 8:26 Volume of Water Removed (gal): 20

Method of Purge: GeoSub Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 8:23 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
7:58	34.36	300	206	0.850	3.6	6.55	13.82	9.58
8:03	34.36	300	202	0.569	0.0	6.55	13.73	7.12
8:08	34.36	300	202	0.571	0.0	6.55	13.71	5.82
8:13	34.36	300	203	0.572	0.0	6.54	13.69	4.97
8:18	34.36	300	204	0.573	0.0	6.53	13.68	4.01
8:23	34.36	300	204	0.576	0.0	6.53	13.67	3.96

ROUX

Well Sampling Data Form

Client: US Concrete/ Coram Materials **Project Number:** 2232.0006Y004

Site Location: 416 Miller Place-Yaphank Road, Miller Place, NY

Well No: MW-13D Weather: 63 F, Cloudy

Date: 9/17/2024 Purge Water Disposal: N/A

Sampled By: PP Well Diameter / Type: 2" stick-up

Depth of Well (ft): 128.70 Water Column (ft): 94.52

Depth to Water(ft): 34.18 Volume of Water in Well (gal) 15.43

Depth to Product (ft): N/A

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 7:44 Purge Rate: 200 mL/min

End Purging: 8:29 Volume of Water Removed (gal): 50

Method of Purge: Grundfos Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) GW Study

Time: 8:25 Laboratory : Alpha Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C^o - F^o (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
7:50	34.42	200	258	0.000	176.0	5.91	15.37	10.68
7:55	34.42	200	252	0.000	176.0	5.83	15.99	10.20
8:00	34.42	200	260	0.191	11.8	5.75	12.46	9.73
8:05	34.42	200	264	0.191	0.0	5.64	12.43	9.29
8:10	34.42	200	267	0.190	0.0	5.60	12.42	8.93
8:15	34.42	200	266	0.190	0.0	5.64	12.41	8.64
8:20	34.42	200	264	0.190	0.0	5.69	12.41	8.57

ROUX

APPENDIX C

Laboratory Analytical Reports

APPENDIX D

Field Notes

7/16/2024 2232.0006Y005 AI

0700 A. Iervolino, J. Michaels, P. Perry on site (ROW)

Weather: 54-76°, sunny. wind ENE @ 4mph. RH: 99%, P: 30.33"

Scope: GWS - ML RL; Landfill Sampling, Gauging

0715 Pace courier onsite w/ coolers.

0730 Talk w/ Dave (Vulcan) re: schedule

0735 Conduct H+S Tailgate. Sign in w/ office.

0745 Begin round of gauging - see pg. 129

1000 Complete round of gauging. Mob to office to prep for sampling

1030 Mob to MW-1SR/MW-1DR/MW-1DR2

1200 MW-1SR sampled @ 11:10 + MS/MSD
MW-1SR (LandFill) @ 11:15 + MS/MSD
MW-1DR2 sampled @ 11:50 + DUP @ 1200
MW-1DR Sampled (Lab FB) @ 1245

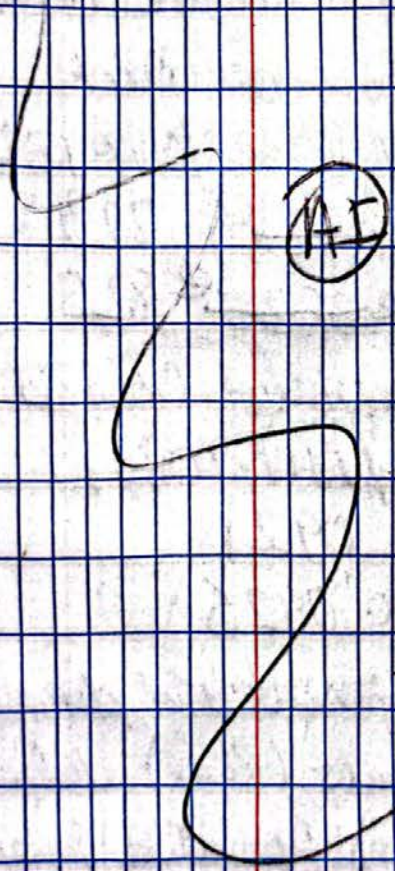
9/16/24 2232.00067005

Well ID	DTW(ft)	DTB(ft)
MP-1	47.46	59.25
MP-1D	48.94	216.29
MW-1SR	23.93	30.86
MW-1DR	23.83	85.92
MW-1DR2	26.26	190.44
MW-4S	68.95	76.10
MW-4D	68.49	132.70
MW-4D2	70.22	234.79
MW-5D	31.42	195.66
PZ-5	29.69	34.81
MW-6D	41.07	200.12
PZ-6	37.80	49.37
MW-7	28.87	39.82
MW-8S	34.31	51.94
MW-8D	37.03	196.90
MW-10S	19.94	28.31
MW-10D	20.48	196.55
MW-11S	60.21	67.28
MW-11D	61.89	156.47
MW-12S	58.68	77.28
MW-12D	58.52	228.00
MW-13S	34.32	44.52
MW-13D	34.23	128.70
SCDOH-5	Broken	
SCDOH-5R	45.08	136.76

(120)

9/16/24 2232.0006 Yann AI

14:15	MW-11D @	14:15	By	AI
14:20	MW-11S @	14:20	By	PP
15:15	Courier pickup			
1535	ROUX offsite			



9/17/24 2232.0006 YOOS AI

0635 AIenolino + P. Perry (ROUX) on site
head to gas station for ice + gas for GWS generator

0700 J. Michaels on site (ROUX)

Weather: 62-76°, cloudy. wind ENE @ 4 mph. RH: 98%, P: 30.24"

scope: continue GWS; landfill sampling, GW Study Sampling

0710 Conduct H+S Tailgate. Calibrate horibas - see cal sheet

0730 Mob to MW-13S/MW-13D

★ MW-13S @ ~~0921~~ @ 823

★ MW-13D @ ~~0925~~ @ 825

Decon equipment. Demob to cluster MW-10S/MW-10D

★ MW-10S @ 0921

★ MW-10D @ 0925

Decon equipment and demob to office.

* 0950 Robert Kovacs (Roux); Julia McGowan (K+L Gates); Aphrodite, Saken + 3rd (DEC) onsite,

1005 All mob to MP-1/MP-1D

★ MP-1 @ 1051

★ MP-1D @ 1130

* 1110 - DEC, K+L, Kovacs offsite.

9/17/24 2232.0006.Y005 JH

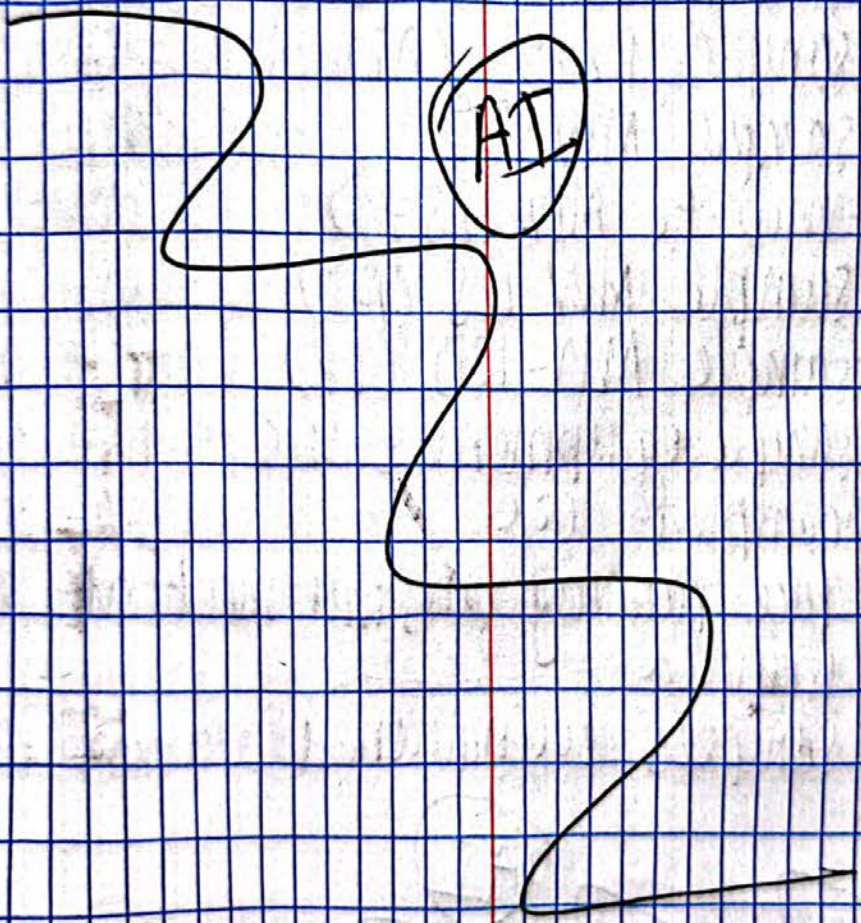
1130 J. Michaels offsite, Roux mobes to PZ-6 & MW-6D

PZ-6 @ 1295

MW-6D @ 1300

1400 sample equipment blank

1515 samples relinquished by Pace courier Roux offsite



9/18/24 2232.0006Y005 AI

0700 A. Iervolino + P. Perry (Roux) on site

weather 65-70° cloudy, wind NE @ 5-10 mph
RH: 79%, P: 29.86"

Scope: continue GW sampling

0715 calibrate horibas

0730 site walk with Dave to find SCDOH
~~mob to MW-8S+D~~

0905 sample MW-8D (PP)

0910 sample MW-8S (AI)

- mob to PZ-5 / MW-5D

1125 sample PZ-5 (AI)

1145 sample MW-5D

- mob to MW-12S+D

1255 sample MW-12S (AI)

1300 sample MW-12D (PP)

1400 sample equipment blank

1450 complete COC

1515 Pace running late, will meet at Islandia

1600 samples relinquished

AI

9/19/2024 2232.0006Y005

0715 A. Iervuno + P. Perry (ROUX) on site
weather: 67-79° cloudy, wind N@ 9mph, RH: 87%, P: 29.92"
scope: continue GW study + landfill sampling
0730 Calibrate Horiba's
0750 Mob to MW-4S, MW-4D, MW-4D2
MW-4S + MW-4S-P @ 911
MW-4D @ 1025
MW-4D2 @ 930
Decon equipment, mob to dumpster to throw out tubing, mob to pack coolers
1100 Lunch break
1145 Mob to MW-7
1217 Begin purging MW-7
1230 G. Tyree on site (ROUX), mob to MW-7
1245 G. Tyree performing field audit
1330 Wrapping up chain + samples
1400 ROUX offsite, AL heading to office to drop off samples
1500 samples picked up by Pace.

AL

9/20/2021 2232.0006V005 AI

0710 A. Iemolino + P. Perry on site crew
weather 60-74°, cloudy, wind NNE@10-
RH=81%, P=29.91"
scope: GW sampling
0715 calibrate horibas
0745 Waiting for horiba NTU's to go down on 1 horiba... slow calibration
0755 both horibas calibrated, mob to SCDOH-S + SCDOH-DR
0830 Begin purging SCDOH-DR
-SCDOH-S well PVC cracked in ha
- & inaccessible, may need to repair well.
0900 sample SCDOH-S
0945 clean out truck - head back to office.
1015 Emptying equipment + coolers
1105 Head to enterprise to drop off truck
1130 drop off truck

AI

APPENDIX E

Chains of Custody

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd In Lab: 9/17/24

L2453053 23SEP24
ROUX – NY

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	8081/8151/8082	NO3/NO2-4500-PPB	TOTALNITROGEN	CI-4500/BR-300	SO4-4500/TPO4-4500	Sample Specific Comments	Total Bottles
53053-01	MW-1SR	9/16/24	11:10	AQ	AI	X	X	X	X	X	X	X	X	MS/MSD	60
02	MW-1DR2	9/16/24	11:50	AQ	JM	X	X	X	X	X	X	X	X		20
03	MW-11S	9/16/24	14:20	AQ	BPP	X	X	X	X	X	X	X	X		20
04	MW-11D	9/16/24	1415	AQ	AI	X	X	X	X	X	X	X	X		20
05	DUP_091624	9/16/24	12:00	AQ	JM	X	X	X	X	X	X	X	X		20
06	TRIP BLANK	9/16/24	LAB	AQ	B	X									

Sample Filtration
☑ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/16/24 1515		9/16/24 15:15
	9/17/24 12:10		9/17/24 2:20
	9/17/24 12:10		9/17/24 2:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 9/17/24

ALPHA Job #: L2453053

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name:	CORAM MATERIALS
Project Location:	416 Miller Place-Yaphank Road
Project #	
(Use Project name as Project #)	☐
Project Manager:	Julia Michaels
ALPHAQuote #:	28577

Client Information

Client:	ROUX Env.Eng.&Geology, DPC
Address:	209 Shafter Street
	Islandia, NY 11749-5074
Phone:	631-232-2600
Fax:	
Email:	jmichaels@rouxinc.com

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Alk-CO3-2320	Alk-HCO3-2320	F-4500	TDS-2540		Sub-Iodide	Sub-sulfide	Sub-Ammonium	Sample Specific Comments	Total Bottles
53053-01	MW-1SR	9/16/24	11:10	AQ	AT	X	X	X	X		X	X	X	MS/MSD	60
02	MW-1DR2	9/16/24	11:50	AQ	JM	X	X	X	X		X	X	X		20
03	MW-11S	9/16/24	1420	AQ	PP	X	X	X	X		X	X	X		20
04	MW-11D	9/16/24	1415	AQ	AT	X	X	X	X		X	X	X		20
05	DUP-091624	9/16/24	1200	AQ	JM	X	X	X	X		X	X	X		20

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/16/24 1515	[illegible]	9/16/24 15:15
[illegible]	9/16/24 16:30	[illegible]	9/16/24 16:31
[illegible]	9/16/24 19:10	[illegible] PACE	9/16/24 1921
[illegible] PACE	9/16/24	[illegible] PACE	9/16/24 2315
[illegible] PACE	9/17/24 0255	Julie	9/17/24 2:55

(W) 3.4

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

L2453342 24SEP24
ROUX – NY

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
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Page 1 of 4

Date Rec'd in Lab: 9/18/24

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NYTCL-8260 | NYTCL-8270/SIM-RVT | TAL600/TAL-2007S | 8081/8151/8082 | NO3/NO2-4500-PPB | TOTALNITROGEN | CI-4500/BR-300 | SO4-4500/TPO4-4500

Sample Filtration
☑ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	8081/8151/8082	NO3/NO2-4500-PPB	TOTALNITROGEN	CI-4500/BR-300	SO4-4500/TPO4-4500	Sample Specific Comments	Total Bottle
53342-01	MP-1	9/17	1051	AQ	AI	X	X	X	X	X	X	X	X		10
-02	MP-1D	9/17	1130	AQ	PP	X	X	X	X	X	X	X	X		10
-03	MW-13D	9/17	825	AQ	PP	X	X	X	X	X	X	X	X		10
-04	MW-13S	9/17	823	AQ	AI	X	X	X	X	X	X	X	X		10
-05	MW-10S	9/17	9:21	AQ	AI	X	X	X	X	X	X	X	X	MS MSD	30
-06	MW-10D	9/17	9:25	AQ	PP	X	X	X	X	X	X	X	X		10
-07	MW-6D	9/17	1300	AQ	PP	X	X	X	X	X	X	X	X		10
-08	P2-6	9/17	1255	AQ	AI	X	X	X	X	X	X	X	X		10
-09	DUP_091724	9/17	1200	AQ	AI	X	X	(AI)							6
-10	Equipment blank	9/17	LAB	AQ	(AI) AI	X	X	X	X	X	X	X	X		6

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	9/17 1515		9/17/24 15:17
	9/17/24 2020		SEP 17 2024 2351
Anthony Green	9/18/24 0100	Anthony Green	9/18/24 0100
	9/18/24 0255		09/18/24-0255

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 14

Date Rec'd in Lab: 9/18/24

ALPHA Job #: L2453342

Client Information
Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information
Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Alk-CO3-2320	Alk-HCO3-2320	F-4500	TDS-2540		Sub-Iodide	Sub-sulfide	Sub-Ammonium	Sample Specific Comments	Total Bottle
53342-01	MP-1	9/17	1051	AQ	AI	X	X	X	X		X	X	X		26
-02	MP-1D	9/17	1130	AQ	PP	X	X	X	X		X	X	X		26
-03	MW-13D	9/17	835	AQ	PP	X	X	X	X		X	X	X		26
-04	MW-13S	9/17	823	AQ	AI	X	X	X	X		X	X	X		26
-05	MW-10D	9/17	925	AQ	PP	X	X	X	X		X	X	X	MSMSD	36
-06	MW-10S	9/17	921	AQ	AI	X	X	X	X		X	X	X		26
-07	MW-6D	9/17	1300	AQ	PP	X	X	X	X		X	X	X		26
-08	P7-6	9/17	1755	AQ	AI	X	X	X	X		X	X	X		26
-09	DUP_091724	9/17	1200	AQ	AI	X	X	X	X		X	X	X		6
-10	Equipment Blank	9/17	1400	AQ	AI	X	X	X	X		X	X	X		26

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/17 15:15		
	9/17/24 18:40	ASE FACE LS	9/17/24 18:40
	9/17/24 2020	Anthony Green	SEP 17 2024 2237
Anthony Green	9/18/24 0100		9/18/24 0100

9/18/24 0255

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T. 5.9

Form No: 01-25 (rev. 30-Sept-2013)

09182 4-0255

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Date Rec'd in Lab: 9/18/24

ALPHA Job #: L2453342

Project Information

Project Name:	CORAM MATERIALS
Project Location:	416 Miller Place-Yaphank Road
Project #	
(Use Project name as Project #)	☐
Project Manager:	Julia Michaels
ALPHAQuote #:	28577

Client Information

Client:	ROUX Env.Eng.&Geology, DPC
Address:	209 Shafter Street
	Islandia, NY 11749-5074
Phone:	631-232-2600
Fax:	
Email:	jmichaels@rouxinc.com

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	A2-14-DIOXANESIM-PPB	Sub-Uranium	Sub-Thorium	Sub-Ra228	Sub-RA226				Sample Specific Comments	Total Bottles
53342-01	MP-1	9/17	1051	AQ	AI										20
-02	MP-1D	9/17	1130	AQ	PP										20
-03	MW-13D	9/17	825	AQ	PP										20
-04	MW-13S	9/17	823	AQ	AI										20
-05	MW-10D	9/17	925	AQ	PP										20
-06	MW-10S	9/17	921	AQ	AI	X	X	X	X	X				MS/MSD	36
-07	MW-6D	9/17	1300	AQ	PP										20
-08	PZ-6	9/17	1255	AQ	AI	X	X	X	X	X					26
-09	DUP-091724	9/17	1200	AQ	AI	X	X	X	X	X					36
-10	Equipment blank	9/17	1400	AQ	AI	X	X	X	X	X					26

Preservative Code:	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/17 1515	[signature]	9/17/24 1515
[signature]	9/17/24 2100	Anthony Green	SEP 17 2024 2200
Anthony Green	9/18/24 0100	[signature]	9/18/24 0100
	9/18/24 0255		

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Form No: 01-25 (rev. 30-Sept-2013)

[signature] 09/18/24-0255

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page # 4 of 4

Date Rec'd in Lab: 9118124

ALPHA Job #: L2453342

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	8081/8151/8082	NO3/NO2-4500-PPB	TOTALNITROGEN	CI-4500/BR-300	SO4-4500/TPO4-4500	Total Bottle
53342 -11	TRIP BLANK	9/17	LAB	AQ	B	X								2

Sample Filtration
☑ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	9/17 1514		9/17/24 15:16
	9/17/24 2000	Anthony Green	SEP 17 2024 2007
Anthony Green	9/18/24 0100		9/18/24 0100
	9/18/24 0255		

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09118124-0255

Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

L2453720 25SEP24
ROUX – NY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 13

Date Rec'd in Lab 9/19/24

Client Information
Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information
Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☑ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	8081/8151/8082	NO3/NO2-4500-PPB	TOTALNITROGEN	CI-4500/BR-300	SO4-4500/TPO4-4500	Sample Specific Comments	Total Bottles
53720-01	MW-8S	9/18/24	9:10	AQ	AI	X	X	X	X	X	X	X	X		26
-02	MW-8D	9/18/24	9:05	AQ	PP	X	X	X	X	X	X	X	X	MS/MSD	60
-03	DUP-091824	9/18/24	1200	AQ	AI	X	X	X	X	X	X	X	X		20
-04	Equipment blank	9/18/24	1400	AQ	AI	X	X	X	X	X	X	X	X		26
-05	TRIP BLANK	9/18/24	LAB	AQ	B	X									2
-06	MW-5D	9/18/24	1145	AQ	PP	X	X	X	X	X	X	X	X		20
-07	PZ-5	9/18/24	11:25	AQ	AI	X	X	X	X	X	X	X	X		20
-08	MW-12S	9/18/24	12:55	AQ	AI	X	X	X	X	X	X	X	X		20
-09	MW-12D	9/18/24	1300	AQ	AQ	X	X	X	X	X	X	X	X		20

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
	9/18 1600		1612
	9/18 1720		
	9/18 1952	Anthony Green	SEP 18 2024 0034
Anthony Green	9/19/24 0105		9/19/24 0105
	9/19/24 0305		

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Form No: 01-25 (rev. 30-Sept-2013)

09/19/24-0305

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

NEW YORK CHAIN OF CUSTODY

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 3

Date Rec'd in Lab: 9/19/24

ALPHA Job #: L2453720

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Alk-CO3-2320	Alk-HCO3-2320	F-4500	TDS-2540		Sub-Iodide	Sub-sulfide	Sub-Ammonium	Sample Specific Comments	Total Bottles
53720 -01	MW-8S	9/18	9:10	AQ	AI	X	X		X	X	X	X	X		26
-02	MW-8D	9/18	9:05	AQ	PP	X	X		X	X	X	X	X	MS/MSD	60
-03	DUP_091824	9/18	1200	AQ	AI	X	X		X	X	X	X	X		20
-04	Equipment Blank	9/18	1400	AQ	AI	X	X		X	X	X	X	X		20
-05	TRIP BLANK	9/18	LAB	AQ	B										2
-06	MW-5D	9/18	1145	AQ	PP	X	X		X	X	X	X	X		20
-07	PZ-5	9/18	11:25	AQ	AI	X	X		X	X	X	X	X		20
-08	MW-12S	9/18	1255	AQ	AI	X	X		X	X	X	X	X		20
-09	MW-12D	9/18	1300	AQ	AI	X	X		X	X	X	X	X		24

Preservative Code	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/18/24 1610	[signature]	1610
[signature]	9/18/24 1724	Anthony Green	SEP 18 2024 2009
Anthony Green	9/19/24 0105	[signature]	9/19/24 0105
	9/19/24 0305	[signature]	09/19/24-0305

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab: 9/19/24

ALPHA Job #: L2453720

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	A2-14-DIOXANESIM-PPB	Sub-Uranium	Sub-Thorium	Sub-Ra228	Sub-RA226				Sample Specific Comments	Total Bottle
55720 -01	MW-8S	9/18	9:10	AQ	AI	X	X	X	X	X					26
-02	MW-8D	9/18	9:05	AQ	PP										6
-03	DUP-091824	9/18	12:00	AQ	AI										2
-04	EQUIPMENT BLANK	9/18	14:00	AQ	PI										2
-05	TRIP BLANK	9/18	LAB	AQ	B										2
-06	MW-5D	9/18	11:45	AQ	PP										2
-07(A2)	~~MW~~ PZ-5	9/18	11:25	AQ	AI										2
-08	MW-12S	9/18	12:55	AQ	AI										2
-09	MW-12D	9/18	13:20	AQ	PP										2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/18 1610	[illegible]	9/18 16 20
[illegible]	9/18 1730	[illegible]	
Anthony Green	9/19/24 0105	Anthony Green	SEP 18 2024 2009 9/19/24 0105
9/19/24 0305			

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

09/19/24-0305

NEW YORK CHAIN OF CUSTODY

L2454059 26SEP24
ROUX – NY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3

Date Rec'd in Lab 9/20/24

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #)
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	8081/8151/8082	NO3/NO2-4500-PPB	TOTALNITROGEN	CI-4500/BR-300	SO4-4500/TPO4-4500	Sample Specific Comments	Total Bottles
54059-01	MW-4S	9/19	1025	AQ	AI	X	X	X	X	X	X	X	X		20
-02	MW-4DR2	9/19	930	AQ	PP	X	X	X	X	X	X	X	X		20
-03	TRIP BLANK	9/19	LAB	AQ	B	X	X	X	X	X	X	X	X	(AI)	2

Sample Filtration
☑ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	9/19 1430	WIFI Pace	9/19 1501
WIFI Pace	9/19 1916	Anthony Green	SEP 19 2024 2023
Anthony Green	9/20/24 0145		9/20/24 0145
	9/20/24 0345		9/20/24 0345

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Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of X3

Date Rec'd in Lab: 9/20/24

ALPHA Job #: L2454059

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Alk-CO3-2320	Alk-HCO3-2320	F-4500	TDS-2540		Sub-Iodide	Sub-sulfide	Sub-Ammonium	Sample Specific Comments	Total Bottles
54059-01	MW-4S	9/19	1025	AQ	AL	X	X	X	X		X	X	X		20
-02	MW-4D	9/19	930	AQ	PP	X	X	X	X		X	X	X		20
-03	TRIP BLANK	9/19	LAB	AQ	B	X	X	X	X		X	X	X		2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type										
Preservative										

Relinquished By:	Date/Time	Received By:	Date/Time
	9/19 1630	WIFI Pace	9/19 1501
WIFI Pace	9/19 1910	Anthony Green	SEP 19 2024 2025
Anthony Green	9/20/24 0145		9/20/24 0145
	9/20/24 0345		9/20/24 0345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL — Answers You Can Depend On

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of X3

Date Rec'd in Lab 9/20/24

ALPHA Job # L2454059

Client Information
Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information
Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	A2-14-DIOXANESIM-PPB	Sub-Uranium	Sub-Thorium	Sub-Ra228	Sub-RA226	Total Bottles	Sample Specific Comments
54059-4	MW-45	9/19	1025	AQ	AI	X	X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	9/19 1430	WIH Pace	9/19 1501
WIH Pace	9/19 1916	Anthony Green	SEP 19 2024 2028
Anthony Green	9/20/24 0745		9/20/24 0745
	9/20/24 0845		9/20/24 0845

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Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

L2454352 27SEP24
ROUX – NY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab 9/21/24

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #)
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time

Standard [✓] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [✓] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information

[ ] Same as Client Info
PO #

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NYTCL-8260
NYTCL-8270/SIM-RVT
TAL600/TAL-2007S
8081/8151/8082
NO3/NO2-4500-PPB
TOTALNITROGEN
CI-4500/BR-300
SO4-4500/TPO4-4500

Sample Filtration
[✓] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	8081/8151/8082	NO3/NO2-4500-PPB	TOTALNITROGEN	CI-4500/BR-300	SO4-4500/TPO4-4500	Sample Specific Comments	Total Bottle
54352 -01	SCDOH-DR	9/20	900	AQ	PP	X	X	X	X	X	X	X	X		20
02	TRIP BLANK	9/20	LAB	AQ	B	X									1

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type															
Preservative															

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/17/24 1100	[signature] 1-1°C	16:25 9/20/24
[signature] NJSC	9/20/24 2044	[signature] NJSC	9/20/24 2044
[signature] NJSC	9/20/24	[signature] Anthony Green SEP 20 2024 2042	9/21/24 0100
[signature]	9/22/24 16:35	[signature]	9/22/24 1635

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

Rec 9/21/24 0300 Rec 9/21/24 0300 Rec 9/21/24 0100

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of X2

Date Rec'd In Lab: 9/21/24

ALPHA Job #: L2454352

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #
(Use Project name as Project #) ☐
Project Manager: Julia Michaels
ALPHAQuote #: 28577

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Alk-CO3-2320	Alk-HCO3-2320	F-4500	TDS-2540		Sub-Iodide	Sub-sulfide	Sub-Ammonium	Sample Specific Comments	Total # Bottles
54352 -01	SCIOTO-DR	9/20	900	AQ	PP	X	X	X	X		X	X	X		10
-02	TRIP BLANK	9/20	LAB	AQ	B										

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type										
Preservative										

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Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/20/24 1:08	[signature] 1.1°C	16:25 9/20/24
[signature] NJSC Anthony Green	9/20/24 16:35 9/20/24 2000 9/20/24 9/21/24 0100	[signature] NJSC Anthony Green	9/20/24 1635 9/20/24 2000 SEP 20 2024 2042 9/21/24 0100

Form No: 01-25 (rev. 30-Sept-2013)

9/21/24 0300 Rec'd 9/21/24 0300