First Quarter 2025 Groundwater Monitoring Report

416 Miller Place-Yaphank Road
Miller Place, New York

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Prepared for:

Coram Materials Corp.
416 Miller Place-Yaphank Road
Miller Place, New York 11764

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
209 Shafter Street
Islandia, New York 11749

2232.0006Y131/CV

Environmental Consulting
& Management
+1.800.322.ROUX
rouxinc.com

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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 first quarter of 2025 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 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 first quarter of 2025 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 first quarter of 2025.

3.1 Groundwater Gauging

In accordance with the Work Plan, Roux conducted a complete water level gauging round on March 3, 2025, 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 March 3, 2025, 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 March 3, 2025, shallow groundwater elevations ranged from 48.04 feet above mean sea level (ft amsl) in monitoring well MW-11S to 50.88 ft amsl in monitoring well PZ-5. Shallow groundwater flow direction is generally to the northeast, as shown on Figure 3.

3.1.2 Deep Zone

On March 3, 2025, deep groundwater elevations ranged from 45.87 ft amsl in monitoring well MW-6D to 49.98 ft amsl in monitoring well MW-4D2. 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 March 3 – 6, 2025. 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 or a Geotech Geosub 2 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 Pace Analytical Services, LLC, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program-certified laboratory located at 8 Walkup Drive Westborough, Massachusetts (Pace Analytical).

Following sample collection at each 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, four 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
- PFAS[1]
- Radionuclides[2]

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

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 8. Category B analytical data packages provided by Pace Analytical are included as Appendix C.

3.3.1 Volatile Organic Compounds

There were no detections of VOCs exceeding AWQSGVs in any of the samples.

3.3.2 Semivolatile Organic Compounds

A summary of the detections is provided below:

Compound	NYSDEC AWQSGV (µg/L)	Detections above AWQSGV	Range in Concentrations above AWQSGV (µg/L)	Sample with Maximum Concentration
Benzo(a)anthracene	0.002	2	0.03 J – 0.07 J	MW-13S
Chrysene	0.002	1	0.06 J	MW-13S
Hexachlorobenzene	0.04	1	0.06 J	MW-11D
Phenol	1	1	1.3 J	PZ-6

Detections above AWQGVs include duplicate results.

There were four SVOCs detected at concentrations above their AWQSGVs. Benzo(a)anthracene was detected in 2 wells, MW-12 and MW-13S at low-level concentrations. Chrysene, hexachlorobenzene, and phenol were all detected in only one well at concentrations above their AWQSGVs. Note, all detections are below reporting limits, and flagged with a "J" qualifier. These four SVOCs have historically been detected on Site, and are not believed to be a resulting of mining operations. 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 (µg/L)	Detections above AWQSGV	Range in Concentrations above AWQSGV (µg/L)	Sample with Maximum Concentration
Iron	Total	300	9	377 – 4,950	MW-11D

[1] Per NYSDEC requirements, PFAS samples were collected from one upgradient and one downgradient well only. Wells were selected by NYSDEC prior to the sampling event.

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

Compound		AWQSGV (µg/L)	Detections above AWQSGV	Range in Concentrations above AWQSGV (µg/L)	Sample with Maximum Concentration
	Dissolved	300	2	1,930 – 3,180	MW-11D
Mercury	Total	0.7	2	1.04	MP-1D and DUP of MP-1D
	Dissolved	0.7	1	0.74	DUP of MP-1D
Sodium	Total	20000	3	22,000 – 73,300	MW-12S
	Dissolved	20000	3	20,400 – 69,200	MW-12S
Thallium	Total	0.5	1	3.4 J	PZ-6

Detections above AWQGVs include duplicate results.

Total mercury was detected in one monitoring well, MP-1D, and its duplicate sample at a concentration of 1.04 µg/L, exceeding the AWQSGV (0.7 µg/L). Total mercury has historically been detected at MP-1D, at similar, low concentrations. Dissolved mercury was detected in the duplicate sample of the same well, MP-1D, at a concentration of 0.74 µg/L, slightly exceeding the AWQSGV (0.7 µg/L). Dissolved mercury has historically been detected at MP-1D below the AWQSGV. Total and dissolved mercury will continue to be monitored in future sampling events.

Total thallium was detected in one well, PZ-6, at a concentration of 3.4 J µg/L, exceeding its AWQSGV of 0.5 µg/L. Thallium has historically been detected at the site, and was last observed in the 1st Quarter of 2024. Thallium will continue to be monitored in future sampling events.

Iron and Sodium detections above AWQSGVs are naturally occurring and not indicative of a source of contamination, and the detections are consistent with historical detections on Site.

3.3.4 General Chemistry

A summary of general chemistry detections exceeding AWQSGVs is provided below:

Compound	NYSDEC AWQSGV (mg/L)	Detections above AWQSGV	Range in Concentrations above AWQSGV (mg/L)	Sample with Maximum Concentration
Sulfide	0.05	1	2.0	MP-1

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

Sulfide in groundwater will continue to be monitored in future sampling events.

3.3.5 Emerging Contaminants

Per– and poly-fluoroalkyl substances (PFAS) samples were collected from one upgradient and one downgradient well. 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 (µg /L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Concentration
Perfluorooctanesulfonic acid (PFOS)	0.0027	3	0.00401 – 0.0306	PZ-6
Perfluorooctanoic acid (PFOA)	0.0067	2	0.0206 – 0.0221	MW-4S DUP

The low-level detections of PFAS were observed in both wells sampled, one upgradient (MW-4S) and one downgradient/cross gradient (PZ-6), with two detections observed in the field duplicate collected from the upgradient well, MW-4S. Similar to the 4th Quarter 2024 monitoring event, elevated PFOS and PFOA were identified in well MW-4S, located on the extreme upgradient edge of the Site, confirming that PFAS compounds are migrating on-site from an unidentified off-site source. PFOA was not detected above AWQSGVs in the downgradient/cross gradient PZ-6. There is no documented use of PFAS at the Site, and results are consistent with the results observed during the 4th Quarter 2024 sampling event. Therefore, the low-level detections of PFAS at the Site are likely attributed to a combination of background conditions and an off-site source.

3.3.6 Radionuclides

The following radionuclides were analyzed from samples collected from two upgradient wells, MW-4S and MW-10s, and two downgradient wells, PZ-6 and MW-8S:

- Isotopic Uranium
- Isotopic Thorium
- Radium-226
- Radium-228

The monitoring wells were selected by NYSDEC prior to the sampling event. There were no detections of radionuclides above their AWQSGVs during this sampling event.

A summary of radionuclide results is shown on Table 8.

4. Conclusions and Schedule for Future Monitoring Activities

The following sections present conclusions from the monitoring activities that occurred in the first quarter of 2025 and a description of the work that is scheduled to occur in the second quarter of 2025.

4.1 Conclusions

The SVOC results showed detections of four SVOCs, benzo(a)anthracene, chrysene, hexachlorobenzene, and phenol at concentrations exceeding AWQSGVs. These four SVOCs are consistent with historic results at the Site, as they have been detected at low concentrations (flagged with a "J" qualifier), such that they do not pose toxicity concerns. The presence of these SVOCs 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. Dissolved mercury was also detected in monitoring well MP-1D, slightly above the AWQSGV. Total thallium was detected above its AWQSGV in one well, PZ-6, and has historically been detected at the site.

Iron and Sodium detections above AWQSGVs are naturally occurring and not indicative of a source of contamination, and the detections are consistent with historical detections on Site. Metal concentrations detected during this sampling event are 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 monitoring well MP-1 only. 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 presence of sulfide in groundwater will continue to be monitored in future quarterly sampling events.

There were no detections of Radionuclides above AWQSGCs. The low-level detections of Radionuclides are likely naturally occurring and are likely not related to mining operations.

VOCs were not detected at concentrations exceeding AWQSGVs.

The emerging contaminants results showed detections of PFAS exceeding the AWQSGVs in two monitoring wells, which is consistent with the 4th Quarter 2024 results. The low-level PFAS detections in the upgradient well MW-4S, are indicative of an offsite source migrating on-site.

4.2 Schedule

The next quarterly groundwater sampling event will occur in June 2025 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.



Ashley Iervolino
Staff Scientist II



Robert Kovacs, P.G.
Principal Environmental Scientist

TABLES

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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, March 3, 2025
Coram Materials, 416 Miller Place-Yaphank Road, Miller Place, NY

Well ID	March 3, 2025		
	DTB (ft)	DTW (ft)	GWE(ft)
MP-1	59.40	48.91	48.11
MP-1D	215.52	49.56	48.44
MW-1SR	39.50	25.16	48.43
MW-1DR2	188.75	26.70	46.81
MW-4S	76.21	70.02	50.15
MW-4D2	134.39	70.02	49.98
MW-5D	194.27	32.18	47.70
PZ-5	34.87	30.70	50.88
MW-6D	203.29	41.10	45.87
PZ-6	48.74	39.10	48.23
MW-8S	51.57	35.55	50.28
MW-8D	199.89	37.32	48.17
MW-10S	28.48	21.05	49.40
MW-10D	167.31	21.50	49.29
MW-11S	68.60	61.38	48.04
MW-11D	157.76	63.03	48.01
MW-12S	76.29	59.65	49.61
MW-12D	230.62	59.80	49.57
MW-13S	44.57	35.46	48.48
MW-13D	128.84	35.33	48.56
SCDOH-DR	136.76	46.04	49.36

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 available
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

		Sample Designation:	MP-1	MP-1D	MP-1D	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D
		Sample Date:	03/05/2025	03/05/2025	03/05/2025	03/04/2025	03/04/2025	03/03/2025	03/04/2025	03/06/2025
		Normal Sample or Field Duplicate:	N	N	FD	N	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	4.6
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	3.3
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	3.2
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	3.3 J	5 U	7.9	1.9 J	1.9 J	2.2 J
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	MP-1D	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D
		Sample Date:	03/05/2025	03/05/2025	03/05/2025	03/04/2025	03/04/2025	03/03/2025	03/04/2025	03/06/2025
		Normal Sample or Field Duplicate:	N	N	FD	N	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	0.4 J
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	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

		Sample Designation:	MW-12S	MW-13D	MW-13S	MW-1DR2	MW-1SR	MW-1SR	MW-4D2	MW-4S
		Sample Date:	03/06/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/06/2025	03/06/2025
		Normal Sample or Field Duplicate:	N	N	N	N	N	FD	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	1.7 J	5 U	3.4 J	5 U	5.7	3.4 J	8	2.5 J
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-12S	MW-13D	MW-13S	MW-1DR2	MW-1SR	MW-1SR	MW-4D2	MW-4S
		Sample Date:	03/06/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/06/2025	03/06/2025
		Normal Sample or Field Duplicate:	N	N	N	N	N	FD	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

	Sample Designation:		MW-5D	MW-6D	MW-8D	MW-8S	PZ-5	PZ-6	SCDOH-DR	TRIP BLANK
	Sample Date:		03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/06/2025	03/04/2025
	Normal Sample or Field Duplicate:		N	N	N	N	N	N	N	TB
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	0.39 J	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	0.84 J	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	1.7 J
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-5D	MW-6D	MW-8D	MW-8S	PZ-5	PZ-6	SCDOH-DR	TRIP BLANK
		Sample Date:	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/06/2025	03/04/2025
		Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	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	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	0.86	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: EQUIPMENT BLANK	TRIP BLANK	TRIP BLANK	EQUIPMENT BLANK
			Sample Date: 03/04/2025	03/05/2025	03/06/2025	03/06/2025
			Normal Sample or Field Duplicate: EB	TB	TB	EB
1,1,1-Trichloroethane (TCA)	5	UG/L	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
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L	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
1,1-Dichloroethane	5	UG/L	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
1,2,3-Trichlorobenzene	5	UG/L	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
1,2-Dibromo-3-Chloropropane	0.04	UG/L	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
1,2-Dichlorobenzene	3	UG/L	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
1,2-Dichloropropane	1	UG/L	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
1,4-Dichlorobenzene	3	UG/L	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
Acetone	50	UG/L	5 U	5 U	5 U	5 U
Benzene	1	UG/L	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
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	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
Carbon Tetrachloride	5	UG/L	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
Chloroethane	5	UG/L	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
Chloromethane	5	UG/L	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
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	--	UG/L	10 U	10 U	10 U	10 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U
Ethylbenzene	5	UG/L	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: EQUIPMENT BLANK	TRIP BLANK	TRIP BLANK	EQUIPMENT BLANK
			Sample Date: 03/04/2025	03/05/2025	03/06/2025	03/06/2025
			Normal Sample or Field Duplicate: EB	TB	TB	EB
Isopropylbenzene (Cumene)	5	UG/L	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
Methyl Acetate	--	UG/L	2 U	2 U	2 U	2 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	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
Methylcyclohexane	--	UG/L	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
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	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
Tert-Butyl Methyl Ether	10	UG/L	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
Toluene	5	UG/L	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
Trans-1,3-Dichloropropene	--	UG/L	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
Trichlorofluoromethane	5	UG/L	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
Xylenes	5	UG/L	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

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	MP-1	MP-1D	MP-1D	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D
Sample Designation:			MP-1	MP-1D	MP-1D	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D
Sample Date:			03/05/2025	03/05/2025	03/05/2025	03/04/2025	03/04/2025	03/03/2025	03/04/2025	03/06/2025
Normal Sample or Field Duplicate:			N	N	FD	N	N	N	N	N
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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	0.11	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	0.03 J	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	**0.03 J**
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
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

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	MP-1	MP-1D	MP-1D	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D
Sample Designation:			MP-1	MP-1D	MP-1D	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D
Sample Date:			03/05/2025	03/05/2025	03/05/2025	03/04/2025	03/04/2025	03/03/2025	03/04/2025	03/06/2025
Normal Sample or Field Duplicate:			N	N	FD	N	N	N	N	N
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	3 U	3 U	3 U	3 U	3 U	3 U	3.9	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	0.04 J
Fluorene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J	0.1 U	0.1 U
Hexachlorobenzene	**0.04**	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	**0.06 J**	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	0.1 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	0.03 J	0.06 J	0.04 J	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
Pentachlorophenol	1	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
Phenanthrene	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 J	0.1 U	0.1 U
Phenol	**1**	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	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-12S	MW-13D	MW-13S	MW-1DR2	MW-1SR	MW-1SR	MW-4D2	MW-4S
Sample Designation:			MW-12S	MW-13D	MW-13S	MW-1DR2	MW-1SR	MW-1SR	MW-4D2	MW-4S
Sample Date:			03/06/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/06/2025	03/06/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	FD	N	N
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
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	0.03 J	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	0.09 J	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	0.05 J	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	**0.07 J**	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
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

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

Sample Designation:			MW-12S	MW-13D	MW-13S	MW-1DR2	MW-1SR	MW-1SR	MW-4D2	MW-4S
Sample Date:			03/06/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/06/2025	03/06/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
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	3 U	1.7 J	1.4 J	3.2	2.6 J	2.9 J	3.6	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	**0.06 J**	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	0.56	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	0.11	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Hexachlorobenzene	**0.04**	UG/L	0.02 J	0.8 U	0.8 U	0.8 U	0.8 U	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	0.1 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	0.04 J	0.05 J	0.1 U	0.1 U	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
Pentachlorophenol	1	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
Phenanthrene	50	UG/L	0.1 U	0.1 U	0.52	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Phenol	**1**	UG/L	5 U	5 U	5 U	0.72 J	5 U	5 U	0.5 J	5 U
Pyrene	50	UG/L	0.1 U	0.1 U	0.38	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-5D	MW-6D	MW-8D	MW-8S	PZ-5	PZ-6	SCDOH-DR
Sample Designation:			MW-5D	MW-6D	MW-8D	MW-8S	PZ-5	PZ-6	SCDOH-DR
Sample Date:			03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/06/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	--	UG/L	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
2,4-Dichlorophenol	5	UG/L	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
2,4-Dinitrophenol	10	UG/L	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
2,6-Dinitrotoluene	5	UG/L	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
2-Chlorophenol	--	UG/L	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	0.03 J	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
2-Nitroaniline	5	UG/L	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
3,3'-Dichlorobenzidine	5	UG/L	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
4,6-Dinitro-2-Methylphenol	--	UG/L	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
4-Chloro-3-Methylphenol	--	UG/L	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
4-Chlorophenyl Phenyl Ether	--	UG/L	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
4-Nitrophenol	--	UG/L	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
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
Acetophenone	--	UG/L	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
Atrazine	7.5	UG/L	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
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
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
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
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
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

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-5D	MW-6D	MW-8D	MW-8S	PZ-5	PZ-6	SCDOH-DR
Sample Designation:			MW-5D	MW-6D	MW-8D	MW-8S	PZ-5	PZ-6	SCDOH-DR
Sample Date:			03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/06/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N
Benzyl Butyl Phthalate	50	UG/L	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
Bis(2-Chloroethoxy) Methane	5	UG/L	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
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	3 U	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
Carbazole	--	UG/L	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
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
Dibenzofuran	--	UG/L	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
Dimethyl Phthalate	50	UG/L	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
Di-N-Octylphthalate	--	UG/L	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
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
Hexachlorobenzene	**0.04**	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	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
Hexachlorocyclopentadiene	5	UG/L	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
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
Isophorone	50	UG/L	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
Naphthalene	10	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.09 J	0.1 U
Nitrobenzene	0.4	UG/L	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
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 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
Phenol	**1**	UG/L	5 U	5 U	5 U	5 U	5 U	**1.3 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

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:		03/04/2025	03/06/2025
	Normal Sample or Field Duplicate:		EB	EB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units		
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U
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
Benzo(K)Fluoranthene	0.002	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:		03/04/2025	03/06/2025
	Normal Sample or Field Duplicate:		EB	EB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units		
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	3 U	3.2
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	0.04 J	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	0.1 U
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
Pentachlorophenol	1	UG/L	0.8 U	0.8 U
Phenanthrene	50	UG/L	0.1 U	0.1 U
Phenol	**1**	UG/L	5 U	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	MP-1D	MP-1D	MW-10D	MW-10D	MW-10S	MW-10S
Sample Date:			03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025
Normal Sample or Field Duplicate:			N	N	N	N	FD	FD	N	N	N	N
Total or Dissolved:			T	D	T	D	T	D	T	D	T	D
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	100 U	100 U	270	100 U	341	100 U	275	100 U	976	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	19.1	19.8	14.3	12.7	14.1	13.2	6.5 J	5.1 J	51	42
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	23800	24500	18300	17300	17700	18000	22800	18700	9480	7990
Chromium, Total	50	UG/L	10 U	10 U	9.1 J	10 U	8.8 J	10 U	2.2 J	10 U	3.1 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	2.2 J	10 U	5.1 J	10 U	5.7 J	10 U	10 U	10 U	4.2 J	10 U
Iron	**300**	UG/L	25 J	50 U	269	12.2 J	**377**	15.4 J	**447**	55.2	**1620**	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	6490	6870	8720	8690	8350	9010	2550	2330	3440	3080
Manganese	300	UG/L	1.6 J	10 U	5.6 J	3 J	6.4 J	3.4 J	42.1	30.6	142	6 J
Mercury	**0.7**	UG/L	0.2 U	0.2 U	**1.04**	0.47	**1.04**	**0.74**	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	25 U	25 U	8.6 J	25 U	9 J	25 U	25 U	25 U	2.4 J	25 U
Potassium	--	UG/L	2000 J	2010 J	1510 J	1300 J	1470 J	1420 J	787 J	861 J	1180 J	1140 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	4.7 J	7 U	6.6 J	7 U	11	7 U	7 U	7 U	7 U	7 U
Sodium	**20000**	UG/L	12400	12000	13900	12600	13700	12800	6550	6010	4770	4420
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	2 J	10 U	10 U	10 U	3 J	10 U
Zinc	2000	UG/L	2.1 J	5 U	7.7	4.2 J	91.1	6.2	5 U	5 U	4.9 J	5 U

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

Sample Designation:			MW-11D	MW-11D	MW-11S	MW-11S	MW-12D	MW-12D	MW-12S	MW-12S	MW-13D	MW-13D
Sample Date:			03/03/2025	03/03/2025	03/04/2025	03/04/2025	03/06/2025	03/06/2025	03/06/2025	03/06/2025	03/04/2025	03/04/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N	N
Total or Dissolved:			T	D	T	D	T	D	T	D	T	D
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	330	100 U	94.2 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	5 U	5 U
Barium	1000	UG/L	32.3	26.7	28.3	26.4	34.4	35.1	58	56.2	25.7	25.6
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	17500	16400	31500	26800	13600	13400	5840	5520	12100	10600
Chromium, Total	50	UG/L	6.2 J	10 U	2.6 J	10 U	4.4 J	3.8 J	10 U	10 U	2.4 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	2.5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	**300**	UG/L	**4950**	**3180**	181	9.2 J	16.3 J	50 U	60.3	50 U	30.7 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	5890	5780	9900	9450	5390	5370	2030	2060	5230	5080
Manganese	300	UG/L	75.6	66.5	17.2	10 U	10 U	10 U	20.6	16.6	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	0.2 U	0.2 U
Nickel	100	UG/L	4.4 J	25 U	25 U	25 U	3.6 J	3.9 J	25 U	25 U	25 U	25 U
Potassium	--	UG/L	1020 J	943 J	1050 J	1130 J	1120 J	1030 J	1250 J	1130 J	944 J	1110 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	8180	7810	4480	4030	13300	13200	**73300**	**69200**	15600	14600
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	3.2 J	5 U	2.7 J	5 U	11.5	11.8	2.5 J	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-13S	MW-13S	MW-1DR2	MW-1DR2	MW-1SR	MW-1SR	MW-1SR	MW-1SR	MW-4D2	MW-4D2
Sample Date:			03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/04/2025	03/06/2025	03/06/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	N	FD	FD	N	N
Total or Dissolved:			T	D	T	D	T	D	T	D	T	D
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	316	100 U	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	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	86.4	79.1	22.1	22.2	24.9	24.2	24.5	24.2	12.2	13.7
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	105000	86800	11300	9900	22800	19200	22400	19000	10300	11400
Chromium, Total	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.5 J	3.1 J
Cobalt	--	UG/L	20 U	20 U	2 J	1.8 J	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	UG/L	2.8 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	**300**	UG/L	**697**	50 U	**2770**	**1930**	13.9 J	50 U	15.4 J	50 U	57	10.3 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	19800	19500	4730	4640	5180	4920	5130	4950	4430	5220
Manganese	300	UG/L	70.4	3.1 J	39.7	33.2	10 U	10 U	10 U	10 U	1.9 J	10 U
Mercury	**0.7**	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.24	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	2720	2740	800 J	972 J	2040 J	2150 J	2010 J	2150 J	854 J	860 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	4140	3850	8990	8500	6720	6200	6680	6430	6410	7470
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	9.1	6.9	4.3 J	4.1 J	5 U	5 U	5 U	5 U	7.3	4.6 J

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

Sample Designation:			MW-4S	MW-4S	MW-5D	MW-5D	MW-6D	MW-6D	MW-8D	MW-8D	MW-8S	MW-8S
Sample Date:			03/06/2025	03/06/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N	N
Total or Dissolved:			T	D	T	D	T	D	T	D	T	D
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	100 U	100 U	100 U	100 U	134	100 U	100 U	100 U	1060	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	48.6	50.2	43.4	44.6	12.1	10.6	28.2	28.6	47	32.4
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	15400	15500	15200	15400	14200	11600	12000	12300	12400	12000
Chromium, Total	50	UG/L	10 U	10 U	10 U	10 U	23.6	2.4 J	5 J	10 U	4.5 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	10 U	10 U	10 U	10 U	10 U	10 U	2.9 J	5.4 J
Iron	**300**	UG/L	50 U	50 U	23.2 J	10.2 J	**838**	50 U	51.3	50 U	**1470**	51.1
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	4880	4930	6730	7180	6790	5530	5370	5770	5700	5760
Manganese	300	UG/L	4.2 J	2.4 J	10 U	10 U	14.8	10 U	2.3 J	10 U	146	90.4
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	3.3 J	25 U	2.7 J	6.5 J
Potassium	--	UG/L	1730 J	1650 J	1340 J	1380 J	1160 J	1130 J	1250 J	1240 J	1440 J	1120 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	4 J	7 U	7 U	7 U
Sodium	**20000**	UG/L	**55900**	**55800**	19800	16400	12100	17100	17300	16000	7570	7150
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	2.7 J	10 U
Zinc	2000	UG/L	5 U	2.1 J	718	5 U	5 U	5 U	2.9 J	2.6 J	6.3	12.1

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:			03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/06/2025	03/06/2025	03/04/2025	03/04/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	N	EB	EB
Total or Dissolved:			T	D	T	D	T	D	T	D
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Aluminum	--	UG/L	518	100 U	69.7 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
Arsenic	25	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Barium	1000	UG/L	23.6	19.5	65	60.6	15	14.6	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	25600	26700	62400	60600	14400	13500	100 U	100 U
Chromium, Total	50	UG/L	4 J	10 U	10 U	10 U	10 U	2.3 J	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	3.6 J	10 U	3.1 J	2.3 J	10 U	10 U	10 U	10 U
Iron	**300**	UG/L	**623**	9.9 J	74.3	50 U	62.6	9.5 J	119	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	8400	8710	10200	10600	6120	6140	100 U	100 U
Manganese	300	UG/L	41.2	10 U	85.2	51.2	16.9	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	1160 J	1000 J	7880	7280	1530 J	1340 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	3.2 J	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	**20000**	UG/L	2650	2560	12000	10900	**22000**	**20400**	2000 U	2000 U
Thallium	**0.5**	UG/L	20 U	20 U	**3.4 J**	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	5	3.4 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

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	Sample Designation: EQUIPMENT BLANK Sample Date: 03/06/2025 Normal Sample or Field Duplicate: EB Total or Dissolved: T	Sample Designation: EQUIPMENT BLANK Sample Date: 03/06/2025 Normal Sample or Field Duplicate: EB Total or Dissolved: D
Aluminum	--	UG/L	217	220
Antimony	3	UG/L	50 U	50 U
Arsenic	25	UG/L	5 U	5 U
Barium	1000	UG/L	2.4 J	2.5 J
Beryllium	3	UG/L	5 U	5 U
Cadmium	5	UG/L	5 U	5 U
Calcium	--	UG/L	115	102
Chromium, Total	50	UG/L	10 U	10 U
Cobalt	--	UG/L	20 U	20 U
Copper	200	UG/L	10 U	4.1 J
Iron	**300**	UG/L	271	274
Lead	25	UG/L	10 U	10 U
Magnesium	35000	UG/L	60 J	64.3 J
Manganese	300	UG/L	13.6	12.6
Mercury	**0.7**	UG/L	0.2 U	0.2 U
Nickel	100	UG/L	25 U	25 U
Potassium	--	UG/L	2500 U	2500 U
Selenium	10	UG/L	10 U	10 U
Silver	50	UG/L	7 U	7 U
Sodium	**20000**	UG/L	2000 U	2000 U
Thallium	**0.5**	UG/L	20 U	20 U
Vanadium	--	UG/L	10 U	10 U
Zinc	2000	UG/L	5 U	4 J

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

		Sample Designation:	MP-1	MP-1D	MP-1D	MW-1DR2	MW-1SR	MW-1SR	MW-4D2	MW-4S
		Sample Date:	03/05/2025	03/05/2025	03/05/2025	03/04/2025	03/04/2025	03/04/2025	03/06/2025	03/06/2025
		Normal Sample or Field Duplicate:	N	N	FD	N	N	FD	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Alkalinity, Bicarbonate (As CaCO3)	--	MGCACO3/L	65.1	52.7	51.6	31.1	57.9	59.4	24.8	39.4
Alkalinity, Carbonate (As CaCO3)	--	MGCACO3/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromide	--	MG/L	0.048 J	0.065	0.065	0.059	0.05 U	0.05 U	0.048 J	0.05
Chloride (As Cl)	250	MG/L	20	13	13	9.9	9	9	9.8	66
Fluoride	--	MG/L	0.08 J	0.05 J	0.05 J	0.04 J	0.08 J	0.08 J	0.05 J	0.03 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, Kjeldahl, Total	--	MG/L	0.162 J	0.108 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Nitrogen, Nitrate (As N)	10	MG/L	1.42	0.628	0.614	1.59	0.86	0.863	1.42	9.41
Nitrogen, Nitrate-Nitrite	10	MG/L	1.4	0.63	0.61	1.6	0.86	0.86	1.4	9.4
Nitrogen, Nitrite	1	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Phosphorus	--	MG/L	0.107	0.132	0.101	0.022 J	0.034	0.037	0.068	0.037
Sulfate (As SO4)	250	MG/L	16	35	40	15	9.1 J	9.5 J	12	8.5 J
Sulfide	**0.05**	MG/L	**2**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total Dissolved Solids (Residue, Filterable)	--	MG/L	130	140	150	75	100	89	94	240
Total Nitrogen, All Forms, Calculated	--	MG/L	1.4	0.63	0.61	1.6	0.86	0.86	1.4	9.4
Total Suspended Solids	--	MG/L	5 U	9.2	17	5 U	5 U	5 U	5 U	5 U

Table 6. 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: MW-5D	MW-6D	MW-8D	MW-8S	MW-8S	MW-10D	MW-10S	MW-11D
			Sample Date: 03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/05/2025	03/04/2025	03/04/2025	03/03/2025
			Normal Sample or Field Duplicate: N	N	N	N	FD	N	N	N
Alkalinity, Bicarbonate (As CaCO3)	--	MGCACO3/L	30.7	40.1	22.2	24.4	NA	42.3	24.3	37.3
Alkalinity, Carbonate (As CaCO3)	--	MGCACO3/L	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U
Bromide	--	MG/L	0.067	0.049 J	0.053	0.066	NA	0.042 J	0.025 J	0.043 J
Chloride (As Cl)	250	MG/L	27	17	29	12	NA	7.2	7.3	13
Fluoride	--	MG/L	0.04 J	0.05 J	0.03 J	0.03 J	NA	0.07 J	0.02 J	0.06 J
Iodide (As I)	--	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U
Nitrogen, Kjeldahl, Total	--	MG/L	0.3 U	0.3 U	0.104 J	0.3 U	NA	0.084 J	0.3 U	0.207 J
Nitrogen, Nitrate (As N)	10	MG/L	6.81	1.86	4.22	2.46	NA	0.048 J	1.22	0.237
Nitrogen, Nitrate-Nitrite	10	MG/L	6.8	1.9	4.2	2.4	NA	0.048 J	1.2	0.24
Nitrogen, Nitrite	1	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	NA	0.05 U	0.05 U	0.05 U
Phosphorus	--	MG/L	0.025 J	0.058	0.028 J	0.242	NA	0.141	0.635	0.408
Sulfate (As SO4)	250	MG/L	15	17	14	21	NA	21	4.5 J	28
Sulfide	**0.05**	MG/L	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U
Total Dissolved Solids (Residue, Filterable)	--	MG/L	160	110	120	92	NA	100	54	160
Total Nitrogen, All Forms, Calculated	--	MG/L	6.8	1.9	4.2	2.4	NA	0.3 U	1.2	0.3 U
Total Suspended Solids	--	MG/L	5 U	8.8	24	160	NA	23	50	53

Table 6. 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-11S	MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6	SCDOH-DR
Sample Designation:			MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	PZ-5	PZ-6	SCDOH-DR
Sample Date:			03/04/2025	03/06/2025	03/06/2025	03/04/2025	03/04/2025	03/05/2025	03/05/2025	03/06/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N
Alkalinity, Bicarbonate (As CaCO3)	--	MGCACO3/L	97.6	25.9	20.5	20.3	251	84.5	180	22
Alkalinity, Carbonate (As CaCO3)	--	MGCACO3/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromide	--	MG/L	0.029 J	0.07	0.047 J	0.035 J	0.028 J	0.04 J	0.05 U	0.052
Chloride (As Cl)	250	MG/L	4.2	19	90	26	3.7	3.2	18	40
Fluoride	--	MG/L	0.03 J	0.04 J	0.03 J	0.03 J	0.05 J	0.04 J	0.12 J	0.03 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, Kjeldahl, Total	--	MG/L	0.131 J	0.3 U	0.09 J	0.069 J	0.3 U	0.082 J	0.449	0.3 U
Nitrogen, Nitrate (As N)	10	MG/L	0.372	4.62	3.66	2.45	5.22	1.2	0.65	3.79
Nitrogen, Nitrate-Nitrite	10	MG/L	0.37	4.6	3.7	2.4	5.2	1.2	0.65	3.8
Nitrogen, Nitrite	1	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Phosphorus	--	MG/L	0.043	0.028 J	0.043	0.025 J	0.175	0.203	0.203	0.031
Sulfate (As SO4)	250	MG/L	7.9 J	17	18	11	40	9.8 J	33	15
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	100	130	250	94	320	120	240	150
Total Nitrogen, All Forms, Calculated	--	MG/L	0.37	4.6	3.7	2.4	5.2	1.2	1.1	3.8
Total Suspended Solids	--	MG/L	160	5 U	5 U	5 U	210	110	5 U	5 U

Table 6. 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: EQUIPMENT BLANK Sample Date: 03/04/2025 Normal Sample or Field Duplicate: EB	Sample Designation: EQUIPMENT BLANK Sample Date: 03/06/2025 Normal Sample or Field Duplicate: EB
Alkalinity, Bicarbonate (As CaCO3)	--	MGCACO3/L	2 U	2 U
Alkalinity, Carbonate (As CaCO3)	--	MGCACO3/L	2 U	2 U
Bromide	--	MG/L	0.05 U	0.05 U
Chloride (As Cl)	250	MG/L	1 U	1 U
Fluoride	--	MG/L	0.2 U	0.2 U
Iodide (As I)	--	MG/L	0.5 U	0.5 U
Nitrogen, Kjeldahl, Total	--	MG/L	0.3 U	0.3 U
Nitrogen, Nitrate (As N)	10	MG/L	0.1 U	0.1 U
Nitrogen, Nitrate-Nitrite	10	MG/L	0.1 U	0.1 U
Nitrogen, Nitrite	1	MG/L	0.05 U	0.05 U
Phosphorus	--	MG/L	0.012 J	0.031 U
Sulfate (As SO4)	250	MG/L	2 J	2.1 J
Sulfide	**0.05**	MG/L	2 U	2 U
Total Dissolved Solids (Residue, Filterable)	--	MG/L	10 U	10 U
Total Nitrogen, All Forms, Calculated	--	MG/L	0.3 U	0.3 U
Total Suspended Solids	--	MG/L	5 U	8.3

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	Sample Designation: MW-4S Sample Date: 03/06/2025 Normal Sample or Field Duplicate: N	Sample Designation: MW-4S Sample Date: 03/06/2025 Normal Sample or Field Duplicate: FD	Sample Designation: PZ-6 Sample Date: 03/05/2025 Normal Sample or Field Duplicate: N	Sample Designation: FIELD BLANK_F Sample Date: 03/05/2025 Normal Sample or Field Duplicate: FB	Sample Designation: FIELD BLANK_P Sample Date: 03/06/2025 Normal Sample or Field Duplicate: FB
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	--	UG/L	0.00628 U	0.00608 U	0.00628 U	0.00632 U	0.00581 U
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2Fts)	--	UG/L	0.00628 U	0.00608 U	0.00628 U	0.00632 U	0.00581 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	--	UG/L	0.0157 U	0.0152 U	0.0157 U	0.0158 U	0.0145 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	--	UG/L	0.0157 U	0.0152 U	0.0157 U	0.0158 U	0.0145 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	UG/L	0.0393 U	0.038 U	0.0393 U	0.0395 U	0.0363 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	UG/L	0.0393 U	0.038 U	0.0393 U	0.0395 U	0.0363 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	--	UG/L	0.00786 U	0.00761 U	0.00786 U	0.00789 U	0.00727 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	UG/L	0.00628 U	0.00608 U	0.00628 U	0.00632 U	0.00581 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	--	UG/L	0.00628 U	0.00608 U	0.00628 U	0.00632 U	0.00581 U
N-ethyl perfluoro-1-octanesulfonamide	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
N-methyl perfluoro-1-octanesulfonamide	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	UG/L	0.00314 U	0.00304 U	0.00314 U	0.00316 U	0.00291 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	--	UG/L	0.00314 U	0.00304 U	0.00314 U	0.00316 U	0.00291 U
Perfluoro(2-Propoxypropanoic) Acid	--	UG/L	0.00628 U	0.00608 U	0.00628 U	0.00632 U	0.00581 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	--	UG/L	0.00314 U	0.00304 U	0.00314 U	0.00316 U	0.00291 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	--	UG/L	0.00314 U	0.00304 U	0.00314 U	0.00316 U	0.00291 U
Perfluorobutanesulfonic acid (PFBS)	--	UG/L	0.00661	0.00699	0.00115 J	0.00158 U	0.00145 U
Perfluorobutanoic Acid	--	UG/L	0.00656	0.00628	0.00376 J	0.00632 U	0.00581 U
Perfluorodecane Sulfonic Acid	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
Perfluorodecanoic acid (PFDA)	--	UG/L	0.00157 U	0.00152 U	0.000605 J	0.00158 U	0.00145 U
Perfluorododecane sulfonate (PFDoDS)	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
Perfluorododecanoic acid (PFDoA)	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
Perfluoroheptane Sulfonate (PFHPS)	--	UG/L	0.000298 J	0.000327 J	0.000495 J	0.00158 U	0.00145 U
Perfluoroheptanoic acid (PFHpA)	--	UG/L	0.00376	0.00356	0.00131 J	0.00158 U	0.00145 U
Perfluorohexanesulfonic acid (PFHxS)	--	UG/L	0.00288	0.00284	0.00364	0.00158 U	0.00145 U
Perfluorohexanoic acid (PFHxA)	--	UG/L	0.00916	0.00938	0.00178	0.00158 U	0.00145 U
Perfluorononanesulfonic Acid (PFNS)	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
Perfluorononanoic acid (PFNA)	--	UG/L	0.000644 J	0.000707 J	0.00782	0.00158 U	0.00145 U
Perfluorooctane Sulfonamide (FOSA)	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
Perfluorooctanesulfonic acid (PFOS)	**0.0027**	UG/L	**0.00401**	**0.0043**	**0.0306**	0.00158 U	0.000334 J
Perfluorooctanoic acid (PFOA)	**0.0067**	UG/L	**0.0206**	**0.0221**	0.00382	0.00158 U	0.00145 U
Perfluoropentanesulfonic Acid (PFPeS)	--	UG/L	0.000236 J	0.00035 J	0.000251 J	0.00158 U	0.00145 U

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 416 Miller Place-Yaphank Road, Miller Place, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	MW-4S	MW-4S	PZ-6	FIELD BLANK_F	FIELD BLANK_P
Sample Designation:			MW-4S	MW-4S	PZ-6	FIELD BLANK_F	FIELD BLANK_P
Sample Date:			03/06/2025	03/06/2025	03/05/2025	03/05/2025	03/06/2025
Normal Sample or Field Duplicate:			N	FD	N	FB	FB
Perfluoropentanoic Acid (PFPeA)	--	UG/L	0.0133	0.013	0.00218 J	0.00316 U	0.00291 U
Perfluorotetradecanoic acid (PFTA)	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
Perfluorotridecanoic Acid (PFTriA)	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
Perfluoroundecanoic Acid (PFUnA)	--	UG/L	0.00157 U	0.00152 U	0.00157 U	0.00158 U	0.00145 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	UG/L	0.00628 U	0.00608 U	0.00628 U	0.00632 U	0.00581 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	UG/L	0.00628 U	0.00608 U	0.00628 U	0.00632 U	0.00581 U

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

Sample Designation:			MW-10S		MW-4S		MW-8S		MW-8S		PZ-6	
Sample Date:			03/04/2025		03/06/2025		03/05/2025		03/05/2025		03/05/2025	
Normal Sample or Field Duplicate:			N		N		N		FD		N	
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	Result	Uncertainty (±)	Result	Uncertainty (±)	Result	Uncertainty (±)	Result	Uncertainty (±)	Result	Uncertainty (±)
Radium-226	3	PCI/L	1.48	0.883	0	0.394	-0.547	0.58	0.177	0.505	-0.38	0.631
Radium-228	5	PCI/L	0.694	0.453	0.634	0.569	0.936	0.372	0.953	0.494	0.699	0.471
Radium-226/228 total	5	PCI/L	2.174	--	0.634	--	0.389	--	1.13	--	0.319	--
Thorium-228	15	PCI/L	0.428	0.56	0.333	0.258	0.178	0.174	0.389	0.253	0.236	0.253
Thorium-230	15	PCI/L	0.196	0.55	0.147	0.131	-0.008	0.115	0.06	0.122	-0.008	0.124
Thorium-232	15	PCI/L	0.269	0.551	0.118	0.117	0.024	0.115	0.102	0.123	-0.008	0.124
Uranium-234	--	PCI/L	0.455	0.342	0.02	0.096	0.11	0.109	0.147	0.13	0.929	0.366
Uranium-235	--	PCI/L	0.142	0.253	0.07	0.125	0.072	0.13	0	0.138	0	0.152
Uranium-238	--	PCI/L	0.418	0.278	0.053	0.096	0	0.099	0.022	0.106	0.832	0.344

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

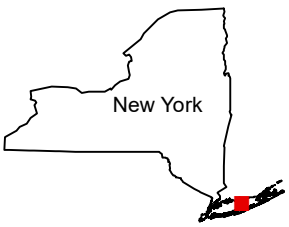
Sample Designation:			EQUIPMENT BLANK	
Sample Date:			03/04/2025	
Normal Sample or Field Duplicate:			EB	
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units	Result	Uncertainty (±)
Radium-226	3	PCI/L	-0.296	0.533
Radium-228	5	PCI/L	0.854	0.468
Radium-226/228 total	5	PCI/L	0.558	--
Thorium-228	15	PCI/L	0.259	0.227
Thorium-230	15	PCI/L	-0.028	0.14
Thorium-232	15	PCI/L	-0.009	0.14
Uranium-234	--	PCI/L	0.075	0.059
Uranium-235	--	PCI/L	0.027	0.056
Uranium-238	--	PCI/L	0.034	0.043

FIGURES

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



QUADRANGLE LOCATION



N

2,000 0 2,000'

Title:

SITE LOCATION MAP

416 MILLER PLACE-YAPHANK ROAD
MILLER PLACE, NEW YORK

Prepared for:

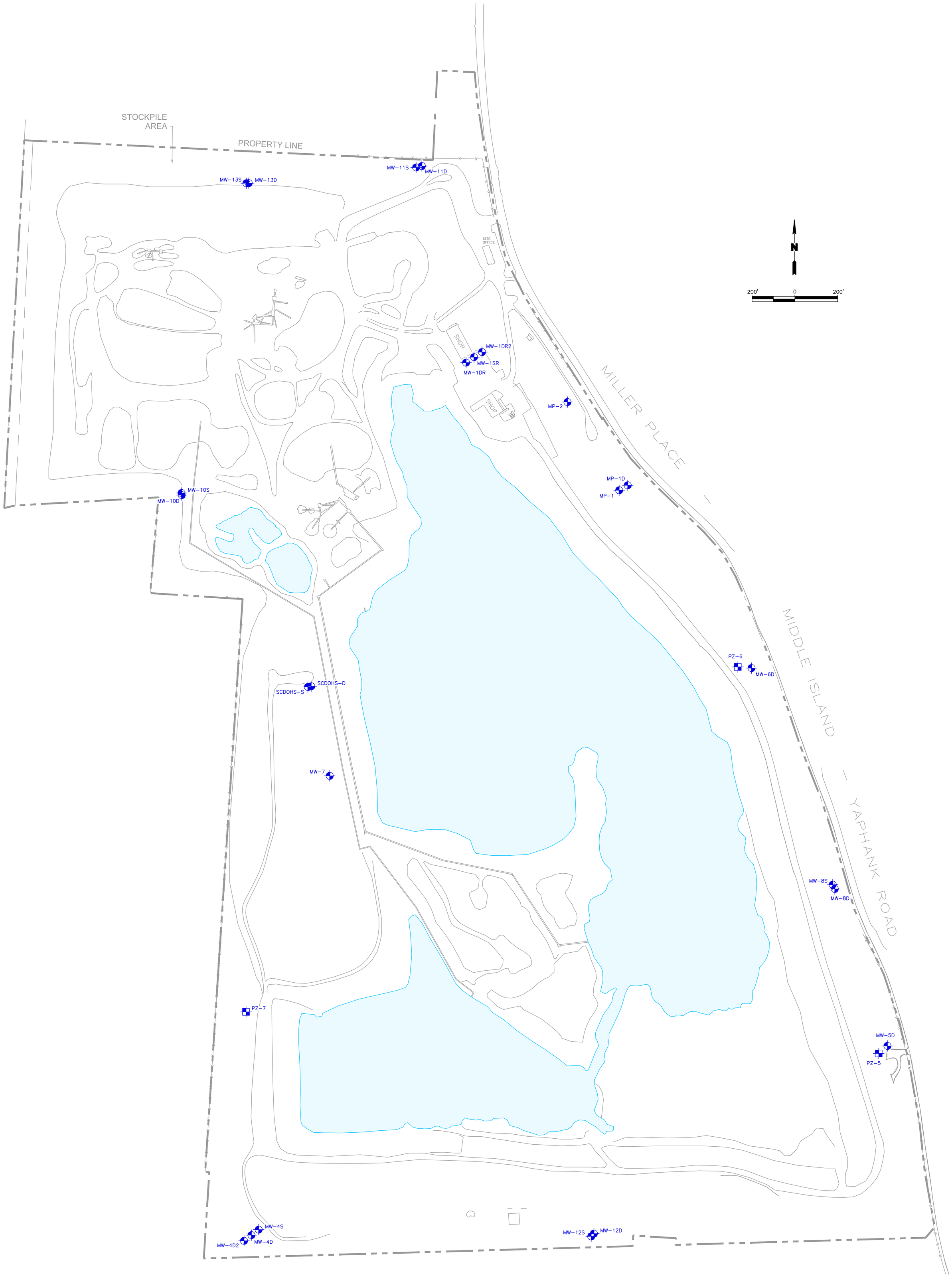
K&L GATES LLP

ROUX

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

FIGURE 1

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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

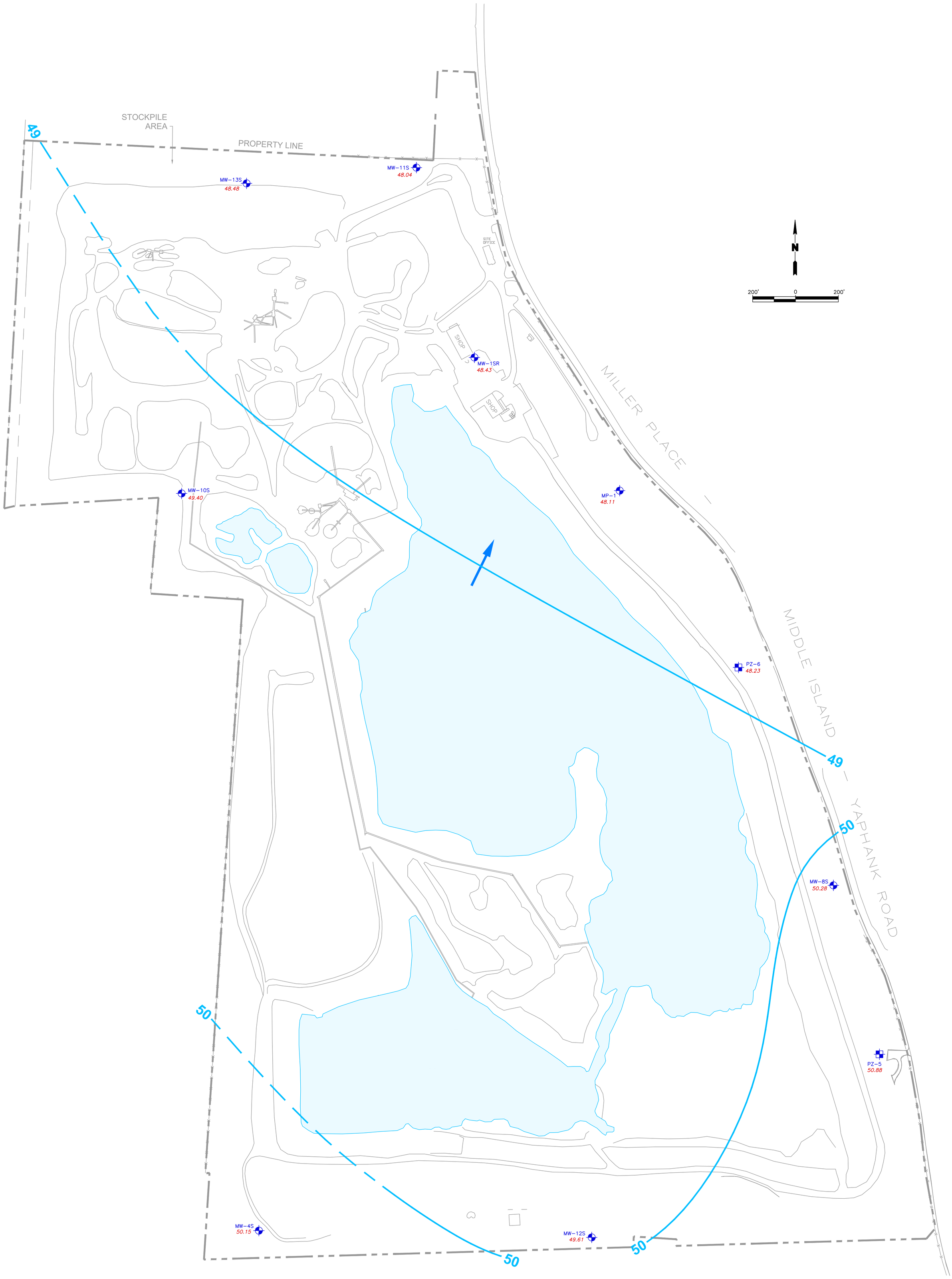
Prepared for:

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
- PZ-5 — PIEZOMETER LOCATION AND DESIGNATION
- 50.88 — GROUNDWATER ELEVATION, IN FEET RELATIVE TO NAVD88
- SURFACE WATER
- 50 — 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 MARCH 3, 2025**

416 MILLER PLACE-YAPHANK ROAD
MILLER PLACE, NEW YORK

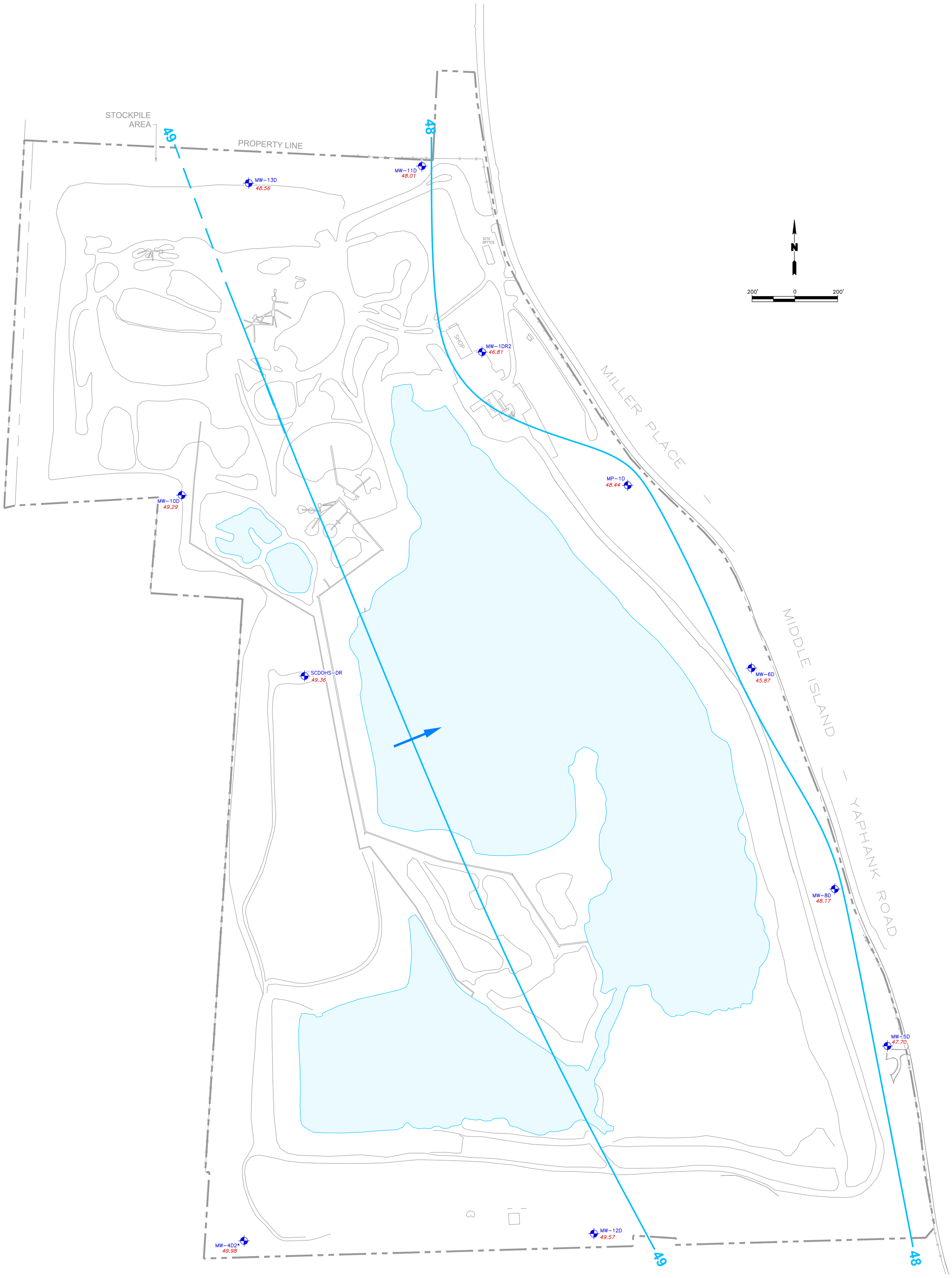
Prepared for:

CORAM MATERIALS CORP.

ROUX

Compiled by: T.J.	Date: 13MAR25	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	3
Project Mgr: A.I.	Project: 2232.0006Y005	
File: 2232.0006Y131.03.DWG		

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LEGEND

MW-13D	SHALLOW MONITORING WELL LOCATION AND DESIGNATION
48.56	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 MARCH 3, 2025

416 MILLER PLACE-YAPHANK ROAD
MILLER PLACE, NEW YORK

Prepared for:

CORAM MATERIALS CORP.

ROUX

Compiled by: A.I.	Date: 13MAR25	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	4
Project Mgr: A.I.	Project: 2232.0006Y003	
File: 2232.0006Y131.04.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.
3/3/2025	224386	4GJ1518	10/31/2025	4.04	4.7	0.1	17.06
3/4/2025	224386	4GJ1518	10/31/2025	3.97	4.49	0.0	13.7
3/4/2025	200C0BBV	4GJ1518	10/31/2025	3.97	4.65	0.0	13.26
3/5/2025	25349	4GJ1518	10/31/2025	3.96	4.53	0.0	11.88
3/5/2025	224386	4GJ1518	10/31/2025	3.96	4.6	0.4	12.87
3/6/2025	25349	4GJ1518	10/31/2025	3.96	4.5	0.0	12.38
3/6/2025	223458	4GJ1518	10/31/2025	4.00	4.52	0.4	12.3

APPENDIX B

Groundwater Low-Flow Purge Logs

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: SCDOH-DR Weather: 55 F, partly Cloudy

Date: 3/6/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 136.76 Water Column (ft): 90.72

Depth to Water(ft): 46.04 Volume of Water in Well (gal) 14.81

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: 11:20 Purge Rate: 200 mL/min

End Purging: 12:05 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 11:51 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%)
11:31	46.48	200	201	0.248	0.0	6.15	12.16	12.14
11:36	46.48	200	232	0.248	0.0	6.08	11.89	10.54
11:41	46.48	200	239	0.249	0.0	6.12	11.88	10.40
11:46	46.48	200	221	0.249	0.0	6.14	12.20	10.90
11:51	46.48	200	231	0.251	0.0	6.11	11.95	10.42

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MP-1 Weather: 51 F, Cloudy and Windy

Date: 3/5/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 59.40 Water Column (ft): 10.49

Depth to Water(ft): 48.91 Volume of Water in Well (gal) 1.71

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: 9:45 Purge Rate: 200ml/min

End Purging: 10:45 Volume of Water Removed (gal): 3

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 10:30 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%)
9:50	48.92	200	183	0.249	5.0	6.99	19.21	1.90
9:55	48.92	200	166	0.248	7.4	7.34	19.27	1.70
10:00	48.92	200	156	0.248	4.5	7.48	19.32	1.60
10:05	48.92	200	150	0.248	5.6	7.54	19.35	1.54
10:10	48.92	200	148	0.248	5.7	7.50	19.36	1.48

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MP-1D Weather: 51 F, Cloudy and Windy

Date: 3/5/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 215.52 Water Column (ft): 165.96

Depth to Water(ft): 49.56 Volume of Water in Well (gal) 27.09

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: 300

End Purging: 9:45 Volume of Water Removed (gal): 7

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

Physical Appearance/ Comments: Cloudy brown to clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 9:15; MS/MS/DUP 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	49.5	300	220	0.248	450.0	6.47	14.91	10.30
8:45	49.5	300	187	0.236	306.0	6.59	15.17	8.86
8:50	49.5	300	170	0.236	136.0	6.66	15.01	6.38
8:55	49.5	300	155	0.236	47.2	6.64	15.24	4.76
9:00	49.5	300	154	0.236	43.9	6.63	15.24	4.30
9:05	49.5	300	150	0.236	40.1	6.63	15.27	4.15

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-1SR Weather: 40 F, Mostly Cloudy

Date: 3/4/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 39.50 Water Column (ft): 14.34

Depth to Water(ft): 25.16 Volume of Water in Well (gal) 2.34

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: 11:40 Volume of Water Removed (gal): 4

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 10:57:00 AM, MS/MSD/DUP 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%)
10:37	26.42	200	261	0.184	47.1	6.42	13.45	8.23
10:42	26.42	200	233	0.181	24.5	6.64	13.83	7.60
10:47	26.42	200	225	0.182	0.0	6.69	13.9	7.50
10:52	26.42	200	220	0.183	0.0	6.75	13.98	7.30
10:57	26.42	200	217	0.184	0.0	6.74	13.96	7.30

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-1DR2 Weather: 40 F, Cloudy

Date: 3/4/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 188.75 Water Column (ft): 162.05

Depth to Water(ft): 26.70 Volume of Water in Well (gal) 26.45

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: 9:15 Purge Rate: 200

End Purging: 10:14 Volume of Water Removed (gal): 3

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

Physical Appearance/ Comments: brown/ cloudy to clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 10:05 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%)
9:45	30.2	200	88	0.160	34.7	6.57	13.05	7.07
9:50	30.2	200	87	0.160	18.6	6.68	13.11	7.08
9:55	30.2	200	87	0.160	11.1	6.70	13.06	7.06
10:00	30.2	200	87	0.159	6.4	6.69	13.11	6.86
10:05	30.2	200	88	0.151	3.2	6.69	13.12	7.01

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-4S Weather: 50 F, Mostly Cloudy

Date: 3/6/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 76.21 Water Column (ft): 6.19

Depth to Water(ft): 70.02 Volume of Water in Well (gal) 1.01

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: 10:02 Purge Rate: 200 mL/min

End Purging: 10:48 Volume of Water Removed (gal): 4

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions), PFAS, & Radionuclides

Time: 10:30 AM, MS/MSD/DUP for PFAS 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%)
10:10	69.98	200	394	0.353	0.0	5.43	12.75	10.84
10:15	69.98	200	330	0.354	0.0	6.15	12.77	10.84
10:20	69.98	200	334	0.347	0.0	6.16	12.75	10.84
10:25	69.98	200	331	0.345	0.0	6.15	12.75	10.84
10:30	69.98	200	330	0.345	0.0	6.15	12.75	10.84

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-4D2 Weather: 56 F, mostly Cloudy

Date: 3/6/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 134.39 Water Column (ft): 63.38

Depth to Water(ft): 71.01 Volume of Water in Well (gal) 10.34

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: 9:50 Purge Rate: 200 mL/min

End Purging: 10:35 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

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%)
10:04	71.69	200	161	0.116	5.3	6.45	12.89	10.99
10:09	71.69	200	153	0.112	0.0	6.41	13.49	10.15
10:14	71.69	200	168	0.111	0.0	6.42	13.48	9.85
10:19	71.69	200	174	0.111	0.0	6.42	13.57	9.44
10:24	71.69	200	177	0.113	0.0	6.42	13.60	9.28

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: PZ-5 Weather: 55 F, Cloudy and Windy

Date: 3/5/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 34.87 Water Column (ft): 4.17

Depth to Water(ft): 30.70 Volume of Water in Well (gal) 0.68

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: 14:05 Purge Rate: 200 mL/min

End Purging: 14:50 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 14:38 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%)
14:18	30.78	200	343	0.141	88.5	6.43	20.57	NM
14:23	30.78	200	340	0.142	7.6	6.44	19.44	NM
14:28	30.78	200	333	0.144	3.8	6.44	18.61	NM
14:33	30.78	200	321	0.146	2.7	6.45	18.50	NM
14:38	30.78	200	321	0.149	2.7	6.48	18.20	NM

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-5D Weather: 55 F, Cloudy and Windy

Date: 3/5/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 194.27 Water Column (ft): 163.57

Depth to Water(ft): 30.70 Volume of Water in Well (gal) 26.70

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: 12:35 Purge Rate: 200 mL/min

End Purging: 13:40 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: brown/ cloudy to clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 13:30 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%)
13:00	31.20	200	381	3190.000	19.2	6.22	12.85	0.00
13:05	31.60	200	367	0.184	6.7	6.07	12.78	0.00
13:10	32.30	200	361	0.183	4.0	6.18	12.7	0.00
13:15	32.30	200	362	0.183	2.2	6.17	12.67	0.00
13:20	32.30	200	361	0.182	2.2	6.17	12.64	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: PZ-6 Weather: 51 F, Cloudy and windy

Date: 3/5/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 48.74 Water Column (ft): 9.64

Depth to Water(ft): 39.10 Volume of Water in Well (gal) 1.57

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: 9:25 Purge Rate: 200 mL/min

End Purging: 10:05 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions), PFAS, & Radionuclides

Time: 9:55 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%)
9:35	40.13	200	189	0.452	2.3	7.15	14.54	2.48
9:40	40.16	200	179	0.451	0.0	7.15	14.51	2.01
9:45	40.16	200	169	0.443	0.0	7.16	14.50	1.92
9:50	40.16	200	163	0.442	0.0	7.16	14.53	1.47
9:55	40.16	200	155	0.438	0.0	7.16	14.53	1.29

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-6D Weather: 50 F, Cloudy and Windy

Date: 3/5/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 203.29 Water Column (ft): 162.19

Depth to Water(ft): 41.10 Volume of Water in Well (gal) 26.47

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: 10:35 Purge Rate: 200 mL/min

End Purging: 11:40 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: brown/ cloudy to clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

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%)
11:02	40.90	200	193	0.183	95.9	6.61	13.03	6.17
11:07	40.90	200	201	0.184	67.3	6.57	12.91	5.59
11:12	40.90	200	203	0.183	39.0	6.55	13.02	5.19
11:17	40.90	200	202	0.183	25.6	6.55	13.01	5.02
11:22	40.90	200	200	0.183	23.6	6.55	13.06	5.04

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-8S Weather: 55 F, Cloudy and Windy

Date: 3/5/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 51.57 Water Column (ft): 16.02

Depth to Water(ft): 35.55 Volume of Water in Well (gal) 2.61

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: 12:10 Purge Rate: 200

End Purging: 13:20 Volume of Water Removed (gal): 3.5

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

Physical Appearance/ Comments: cloudy to clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions), Radionuclides

Time: 13:00 MS/MSD/DUP for Radionuclides 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%)
12:20	36.35	200	207	0.126	186.0	5.55	13.89	6.45
12:25	36.03	200	259	0.133	98.7	5.46	13.88	5.27
12:30	36.03	200	268	0.134	76.4	5.48	13.87	5.12
12:35	36.03	200	270	0.136	47.2	5.49	13.87	5.00
12:40	36.03	200	272	0.138	42.5	5.49	13.85	4.91
12:45	36.03	200	273	0.139	38.6	5.49	13.85	4.85

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-8D Weather: 55 F, Cloudy and Windy

Date: 3/5/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 198.89 Water Column (ft): 161.57

Depth to Water(ft): 37.32 Volume of Water in Well (gal) 26.37

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

End Purging: 14:20 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 14:08 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%)
13:48	37.23	200	217	0.202	17.7	6.13	12.26	10.53
13:53	37.23	200	215	0.202	2.6	6.09	12.21	8.28
13:58	37.23	200	214	0.202	0.6	6.11	12.22	8.09
14:03	37.23	200	213	0.201	0.0	6.13	12.21	7.81
14:08	37.23	200	212	0.201	0.0	6.14	12.21	7.77

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-10S Weather: 45 F, Cloudy

Date: 3/4/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 28.48 Water Column (ft): 7.43

Depth to Water(ft): 21.05 Volume of Water in Well (gal) 1.21

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: 14:50 Purge Rate: 100 mL/min

End Purging: 16:00 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions), Radionuclides

Time: 15:40 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%)
15:20	22.7	100	200	0.098	265.0	6.06	21.08	10.30
15:25	22.71	100	225	0.103	70.5	5.95	18.91	10.34
15:30	22.71	100	228	0.105	55.0	5.92	19.61	9.92
15:35	22.71	100	229	0.107	26.5	5.91	20.03	9.58
15:40	22.71	100	221	0.108	24.6	5.91	20.04	8.93

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-10D Weather: 45 F, Cloudy

Date: 3/4/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 167.31 Water Column (ft): 145.81

Depth to Water(ft): 21.50 Volume of Water in Well (gal) 23.80

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: 14:50 Purge Rate: 200 mL/min

End Purging: 15:30 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Cloudy/brown to clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 15:20 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%)
15:00	22.01	200	102	0.197	212.0	9.56	11.05	3.38
15:05	22.01	200	-17	0.173	82.4	7.84	11.03	0.17
15:10	22.01	200	8	0.169	48.7	7.68	10.97	0.27
15:15	22.01	200	6	0.166	38.1	7.45	11.03	0.10
15:20	22.01	200	7	0.167	36.4	7.39	11.09	0.04

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-11S Weather: 34 F, Cloudy

Date: 3/4/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 68.60 Water Column (ft): 7.22

Depth to Water(ft): 61.38 Volume of Water in Well (gal) 1.18

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: 7:45 Purge Rate: 200 mL/min

End Purging: 8:40 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Cloudy to clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 8:30 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%)
8:10	61.5	200	186	0.244	42.6	6.66	13.88	9.72
8:15	61.5	200	187	0.243	26.1	6.64	13.97	9.36
8:20	61.5	200	191	0.244	13.3	6.67	13.90	9.01
8:25	61.5	200	194	0.245	3.6	6.66	14.07	8.77
8:30	61.5	200	194	0.249	0.4	6.67	13.90	8.80

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-11D Weather: 33 F, Sunny

Date: 3/3/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 157.76 Water Column (ft): 94.73

Depth to Water(ft): 63.03 Volume of Water in Well (gal) 15.46

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: 13:27 Purge Rate: 200 mL/min

End Purging: 14:30 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Orange/ cloudy to clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

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%)
13:55	63.26	200	133	0.189	73.6	6.69	13.52	0.90
14:00	63.26	200	43	0.178	83.2	7.34	13.82	0.69
14:05	63.26	200	30	0.179	62.4	7.41	13.87	0.67
14:10	63.26	200	21	0.179	49.3	7.48	13.92	0.64
14:15	63.26	200	16	0.179	48.7	7.46	13.99	0.63
14:20	63.26	200	12	0.179	44.7	7.53	13.96	0.54

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-12S Weather: 47 F, Fog

Date: 3/6/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 76.29 Water Column (ft): 16.64

Depth to Water(ft): 59.65 Volume of Water in Well (gal) 2.72

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: 8:32 Purge Rate: 200 mL/min

End Purging: 9:20 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 9:13 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%)
8:53	59.66	200	211	0.496	166.0	5.88	14.18	10.80
8:58	59.66	200	229	0.510	18.0	5.94	12.09	10.59
9:03	59.66	200	239	0.489	1.8	5.95	11.74	10.19
9:08	59.66	200	244	0.475	0.0	5.96	11.64	9.93
9:13	59.66	200	219	0.463	1.0	5.98	11.60	9.87

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-12D Weather: 47 F, Fog

Date: 3/6/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 230.62 Water Column (ft): 170.82

Depth to Water(ft): 59.80 Volume of Water in Well (gal) 27.88

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: 8:10 Purge Rate: 200 mL/min

End Purging: 8:55 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 8:46 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%)
8:26	61.74	200	268	0.222	0.3	5.78	11.17	7.48
8:31	61.74	200	234	0.207	1.0	5.94	11.38	6.12
8:36	61.74	200	210	0.194	1.9	6.05	11.58	4.29
8:41	61.74	200	207	0.193	0.0	6.09	11.63	3.43
8:46	61.74	200	208	0.193	0.0	6.11	11.70	3.25

ROUX

Well Sampling Data Form

Client: US Concrete/Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-13S Weather: 40 F, Cloudy

Date: 3/4/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 44.57 Water Column (ft): 9.11

Depth to Water(ft): 35.46 Volume of Water in Well (gal) 1.49

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: 13:00 Purge Rate: 200 mL/min

End Purging: 14:05 Volume of Water Removed (gal): 3

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

Physical Appearance/ Comments: Cloudy/clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 13:55 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%)
13:30	36.2	200	156	0.608	115.0	6.86	19.37	3.54
13:35	36.2	200	157	0.610	83.0	6.88	19.88	3.19
13:40	36.2	200	159	0.606	63.2	6.89	18.99	3.03
13:45	36.2	200	161	0.592	36.6	6.89	17.84	2.81
13:50	36.2	200	161	0.599	34.3	6.87	20.88	2.59
13:55	36.2	200	162	0.604	34.0	6.89	20.67	2.46

ROUX

Well Sampling Data Form

Client: US Concrete/ Coram Materials **Project Number:** 2232.0006Y005

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

Well No: MW-13D Weather: 40 F, Cloudy

Date: 3/4/2025 Purge Water Disposal: N/A

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

Depth of Well (ft): 128.84 Water Column (ft): 93.51

Depth to Water(ft): 35.33 Volume of Water in Well (gal) 15.26

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: 12:50 Purge Rate: 200 mL/min

End Purging: 13:30 Volume of Water Removed (gal): 2

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

Physical Appearance/ Comments: Clear

Samples Collected: (analyses / no. bottles) Baseline (VOCs, SVOCs, total and dissolved TAL Metals, Cations/Anions)

Time: 13:22 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%)
13:02	35.53	200	222	0.191	50.3	5.96	11.58	8.51
13:07	35.53	200	230	0.191	1.6	6.01	11.58	8.36
13:13	35.53	200	228	0.190	1.2	6.09	11.53	8.30
13:17	35.53	200	229	0.191	0.0	6.10	11.52	8.27
13:27	35.53	200	232	0.191	0.0	6.10	11.54	8.23

ROUX

APPENDIX C

Laboratory Analytical Reports

ANALYTICAL REPORT

Lab Number:	L2511529
Client:	Roux Env. Eng. & Geology, DPC 209 N. Shafter St. Islandia, NY 11749
ATTN:	Ashley Iervolino
Phone:	(631) 232-2600
Project Name:	CORAM MATERIALS
Project Number:	2232.0006Y005
Report Date:	03/18/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2511529-01	MW-11D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/03/25 14:20	03/03/25

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511529
Project Number:	2232.0006Y005	**Report Date:**	03/18/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511529
Project Number:	2232.0006Y005	**Report Date:**	03/18/25

Case Narrative (continued)

Report Submission

March 18, 2025: This final report includes the results of all requested analyses.

March 10, 2025: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The analyses of Ammonium, Iodide, and Sulfide were subcontracted. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Nitrogen, Nitrite

The WG2036273-4 MS recovery performed on L2511529-01 is outside the acceptance criteria for nitrogen, nitrite (72%); however, the associated LCS recovery is within criteria. No further action was taken.

Solids, Total Dissolved

The WG2036703-3 Laboratory Duplicate RPD performed on L2511529-01 is outside the acceptance criteria for solids, total dissolved (37%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 03/18/25

ORGANICS

VOLATILES

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

SAMPLE RESULTS

Lab ID: L2511529-01
Client ID: MW-11D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/03/25 14:20
Date Received: 03/03/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/07/25 17:13
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

SAMPLE RESULTS

Lab ID: L2511529-01 Date Collected: 03/03/25 14:20

Client ID: MW-11D Date Received: 03/03/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	106		70-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511529
Report Date: 03/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/25 08:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2037848-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511529
Report Date: 03/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/25 08:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2037848-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511529
Report Date: 03/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/25 08:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2037848-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2037848-3 WG2037848-4								
Methylene chloride	100		91		70-130	9		20
1,1-Dichloroethane	110		95		70-130	15		20
Chloroform	110		94		70-130	16		20
Carbon tetrachloride	110		92		63-132	18		20
1,2-Dichloropropane	120		97		70-130	**21**	Q	20
Dibromochloromethane	110		90		63-130	20		20
1,1,2-Trichloroethane	100		92		70-130	8		20
Tetrachloroethene	120		99		70-130	19		20
Chlorobenzene	100		87		75-130	14		20
Trichlorofluoromethane	76		63		62-150	19		20
1,2-Dichloroethane	110		94		70-130	16		20
1,1,1-Trichloroethane	110		90		67-130	20		20
Bromodichloromethane	110		92		67-130	18		20
trans-1,3-Dichloropropene	110		89		70-130	**21**	Q	20
cis-1,3-Dichloropropene	110		96		70-130	14		20
Bromoform	100		86		54-136	15		20
1,1,2,2-Tetrachloroethane	100		93		67-130	7		20
Benzene	110		88		70-130	**22**	Q	20
Toluene	100		86		70-130	15		20
Ethylbenzene	100		85		70-130	16		20
Chloromethane	93		75		64-130	**21**	Q	20
Bromomethane	64		52		39-139	**21**	Q	20
Vinyl chloride	88		71		55-140	**21**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2037848-3 WG2037848-4								
Chloroethane	81		72		55-138	12		20
1,1-Dichloroethene	79		70		61-145	12		20
trans-1,2-Dichloroethene	110		93		70-130	17		20
Trichloroethene	110		90		70-130	20		20
1,2-Dichlorobenzene	110		91		70-130	19		20
1,3-Dichlorobenzene	110		90		70-130	20		20
1,4-Dichlorobenzene	100		88		70-130	13		20
Methyl tert butyl ether	110		94		63-130	16		20
p/m-Xylene	100		85		70-130	16		20
o-Xylene	100		85		70-130	16		20
cis-1,2-Dichloroethene	110		92		70-130	18		20
Styrene	95		80		70-130	17		20
Dichlorodifluoromethane	76		65		36-147	16		20
Acetone	120		97		58-148	**21**	Q	20
Carbon disulfide	81		70		51-130	15		20
2-Butanone	**140**	Q	120		63-138	15		20
4-Methyl-2-pentanone	96		94		59-130	2		20
2-Hexanone	100		96		57-130	4		20
Bromochloromethane	110		94		70-130	16		20
1,2-Dibromoethane	110		97		70-130	13		20
1,2-Dibromo-3-chloropropane	100		91		41-144	9		20
Isopropylbenzene	110		90		70-130	20		20
1,2,3-Trichlorobenzene	100		90		70-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2037848-3 WG2037848-4								
1,2,4-Trichlorobenzene	110		92		70-130	18		20
Methyl Acetate	110		99		70-130	11		20
Cyclohexane	110		90		70-130	20		20
Freon-113	79		71		70-130	11		20
Methyl cyclohexane	98		81		70-130	19		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	110		112		70-130
Dibromofluoromethane	99		100		70-130

SEMIVOLATILES

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511529
Report Date: 03/18/25

SAMPLE RESULTS

Lab ID: L2511529-01
Client ID: MW-11D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/03/25 14:20
Date Received: 03/03/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/06/25 05:55
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 07:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

SAMPLE RESULTS

Lab ID: L2511529-01 Date Collected: 03/03/25 14:20

Client ID: MW-11D Date Received: 03/03/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	71		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511529
Report Date: 03/18/25

SAMPLE RESULTS

Lab ID: L2511529-01
Client ID: MW-11D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/03/25 14:20
Date Received: 03/03/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/05/25 15:25
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 07:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.03	J	ug/l	0.10	0.03	1
Phenanthrene	0.05	J	ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.11		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	0.06	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

SAMPLE RESULTS

Lab ID: L2511529-01 Date Collected: 03/03/25 14:20

Client ID: MW-11D Date Received: 03/03/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	76		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511529
Report Date: 03/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/05/25 13:33
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 07:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2036767-1					
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511529
Report Date: 03/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/05/25 13:33
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 07:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2036767-1					
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	2.6	J	ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	66		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/05/25 12:21
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 07:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG2036768-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/05/25 12:21
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 07:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG2036768-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	74		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2036767-2 WG2036767-3								
3,3'-Dichlorobenzidine	70		76		40-140	8		30
2,4-Dinitrotoluene	78		81		48-143	4		30
2,6-Dinitrotoluene	73		77		40-140	5		30
4-Chlorophenyl phenyl ether	74		78		40-140	5		30
4-Bromophenyl phenyl ether	72		78		40-140	8		30
Bis(2-chloroisopropyl)ether	67		66		40-140	2		30
Bis(2-chloroethoxy)methane	81		84		40-140	4		30
Hexachlorocyclopentadiene	87		86		40-140	1		30
Isophorone	86		85		40-140	1		30
Nitrobenzene	84		86		40-140	2		30
NDPA/DPA	74		76		40-140	3		30
n-Nitrosodi-n-propylamine	87		85		29-132	2		30
Bis(2-ethylhexyl)phthalate	82		80		40-140	2		30
Butyl benzyl phthalate	79		75		40-140	5		30
Di-n-butylphthalate	72		73		40-140	1		30
Di-n-octylphthalate	78		76		40-140	3		30
Diethyl phthalate	77		78		40-140	1		30
Dimethyl phthalate	73		74		40-140	1		30
Biphenyl	79		81		40-140	3		30
4-Chloroaniline	82		74		40-140	10		30
2-Nitroaniline	74		69		52-143	7		30
3-Nitroaniline	74		71		25-145	4		30
4-Nitroaniline	72		80		51-143	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2036767-2 WG2036767-3								
Dibenzofuran	76		80		40-140	5		30
1,2,4,5-Tetrachlorobenzene	78		79		2-134	1		30
Acetophenone	91		94		39-129	3		30
2,4,6-Trichlorophenol	70		65		30-130	7		30
p-Chloro-m-cresol	80		78		23-97	3		30
2-Chlorophenol	73		75		27-123	3		30
2,4-Dichlorophenol	72		75		30-130	4		30
2,4-Dimethylphenol	98		91		30-130	7		30
2-Nitrophenol	80		68		30-130	16		30
4-Nitrophenol	52		52		10-80	0		30
2,4-Dinitrophenol	93		92		20-130	1		30
4,6-Dinitro-o-cresol	71		74		20-164	4		30
Phenol	47		48		12-110	2		30
2-Methylphenol	77		76		30-130	1		30
3-Methylphenol/4-Methylphenol	72		77		30-130	7		30
2,4,5-Trichlorophenol	70		71		30-130	1		30
Carbazole	75		76		55-144	1		30
Atrazine	73		75		40-140	3		30
Benzaldehyde	98		95		40-140	3		30
Caprolactam	30		25		10-130	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2036767-2 WG2036767-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		50		21-120
Phenol-d6	36		38		10-120
Nitrobenzene-d5	88		84		23-120
2-Fluorobiphenyl	65		67		15-120
2,4,6-Tribromophenol	67		70		10-120
4-Terphenyl-d14	68		65		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG2036768-2 WG2036768-3								
Acenaphthene	58		77		40-140	28		40
2-Chloronaphthalene	56		74		40-140	28		40
Fluoranthene	55		76		40-140	32		40
Hexachlorobutadiene	48		62		40-140	25		40
Naphthalene	53		70		40-140	28		40
Benzo(a)anthracene	61		82		40-140	29		40
Benzo(a)pyrene	65		88		40-140	30		40
Benzo(b)fluoranthene	62		81		40-140	27		40
Benzo(k)fluoranthene	59		82		40-140	33		40
Chrysene	56		76		40-140	30		40
Acenaphthylene	61		83		40-140	31		40
Anthracene	61		81		40-140	28		40
Benzo(ghi)perylene	69		93		40-140	30		40
Fluorene	62		83		40-140	29		40
Phenanthrene	58		78		40-140	29		40
Dibenzo(a,h)anthracene	69		93		40-140	30		40
Indeno(1,2,3-cd)pyrene	70		94		40-140	29		40
Pyrene	56		75		40-140	29		40
2-Methylnaphthalene	51		68		40-140	29		40
Pentachlorophenol	62		76		40-140	20		40
Hexachlorobenzene	59		76		40-140	25		40
Hexachloroethane	57		74		40-140	26		40
Bis(2-chloroethyl)ether	61		79		40-140	26		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG2036768-2 WG2036768-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		61		21-120
Phenol-d6	35		46		10-120
Nitrobenzene-d5	60		78		23-120
2-Fluorobiphenyl	51		68		15-120
2,4,6-Tribromophenol	69		91		10-120
4-Terphenyl-d14	49		66		41-149

METALS

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

SAMPLE RESULTS

Lab ID: L2511529-01 Date Collected: 03/03/25 14:20

Client ID: MW-11D Date Received: 03/03/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.330		mg/l	0.100	0.0318	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Barium, Total	0.0323		mg/l	0.0100	0.0021	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Calcium, Total	17.5		mg/l	0.100	0.0350	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Chromium, Total	0.0062	J	mg/l	0.0100	0.0021	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Iron, Total	4.95		mg/l	0.0500	0.0090	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Magnesium, Total	5.89		mg/l	0.100	0.0153	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Manganese, Total	0.0756		mg/l	0.0100	0.0016	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 11:29	EPA 245.1	3,245.1	JWN
Nickel, Total	0.0044	J	mg/l	0.0250	0.0024	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Potassium, Total	1.02	J	mg/l	2.50	0.237	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Sodium, Total	8.18		mg/l	2.00	0.120	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Zinc, Total	0.0032	J	mg/l	0.0050	0.0021	1	03/05/25 20:08	03/10/25 13:58	EPA 3005A	19,200.7	DMC
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0267		mg/l	0.0100	0.0021	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

SAMPLE RESULTS

Lab ID: L2511529-01 Date Collected: 03/03/25 14:20

Client ID: MW-11D Date Received: 03/03/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	16.4		mg/l	0.100	0.0350	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Iron, Dissolved	3.18		mg/l	0.0500	0.0090	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	5.78		mg/l	0.100	0.0153	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	0.0665		mg/l	0.0100	0.0016	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:28	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	0.943	J	mg/l	2.50	0.237	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	7.81		mg/l	2.00	0.120	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/04/25 15:39	03/10/25 12:54	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01 Batch: WG2036471-1										
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Barium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Calcium, Dissolved	ND		mg/l	0.100	0.0350	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Magnesium, Dissolved	ND		mg/l	0.100	0.0153	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Sodium, Dissolved	ND		mg/l	2.00	0.120	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/04/25 15:39	03/06/25 09:26	19,200.7	DMC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG2036987-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/05/25 20:08	03/10/25 12:14	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

Method Blank Analysis
Batch Quality Control

Barium, Total	ND	mg/l	0.0100	0.0021	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Beryllium, Total	ND	mg/l	0.0050	0.0009	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Cadmium, Total	ND	mg/l	0.0050	0.0010	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Calcium, Total	ND	mg/l	0.100	0.0350	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Chromium, Total	ND	mg/l	0.0100	0.0021	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Cobalt, Total	ND	mg/l	0.0200	0.0017	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Copper, Total	ND	mg/l	0.0100	0.0022	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Iron, Total	ND	mg/l	0.0500	0.0090	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Lead, Total	ND	mg/l	0.0100	0.0027	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Magnesium, Total	ND	mg/l	0.100	0.0153	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Manganese, Total	ND	mg/l	0.0100	0.0016	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Nickel, Total	ND	mg/l	0.0250	0.0024	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Potassium, Total	ND	mg/l	2.50	0.237	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Selenium, Total	ND	mg/l	0.0100	0.0035	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Silver, Total	ND	mg/l	0.0070	0.0028	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Sodium, Total	ND	mg/l	2.00	0.120	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Thallium, Total	ND	mg/l	0.0200	0.0025	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Vanadium, Total	ND	mg/l	0.0100	0.0020	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA
Zinc, Total	ND	mg/l	0.0050	0.0021	1	03/05/25 20:08	03/07/25 13:11	19,200.7	TAA

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG2036992-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 10:52	3,245.1	JWN

Prep Information

Digestion Method: EPA 245.1

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511529
Report Date: 03/18/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01 Batch: WG2037773-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:11	3,245.1	CME

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2036471-2								
Aluminum, Dissolved	102		-		85-115	-		
Antimony, Dissolved	97		-		85-115	-		
Arsenic, Dissolved	94		-		85-115	-		
Barium, Dissolved	98		-		85-115	-		
Beryllium, Dissolved	101		-		85-115	-		
Cadmium, Dissolved	97		-		85-115	-		
Calcium, Dissolved	99		-		85-115	-		
Chromium, Dissolved	99		-		85-115	-		
Cobalt, Dissolved	97		-		85-115	-		
Copper, Dissolved	100		-		85-115	-		
Iron, Dissolved	104		-		85-115	-		
Lead, Dissolved	94		-		85-115	-		
Magnesium, Dissolved	97		-		85-115	-		
Manganese, Dissolved	100		-		85-115	-		
Nickel, Dissolved	98		-		85-115	-		
Potassium, Dissolved	101		-		85-115	-		
Selenium, Dissolved	93		-		85-115	-		
Silver, Dissolved	100		-		85-115	-		
Sodium, Dissolved	99		-		85-115	-		
Thallium, Dissolved	95		-		85-115	-		
Vanadium, Dissolved	99		-		85-115	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2036471-2					
Zinc, Dissolved	98	-	85-115	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2036987-2					
Aluminum, Total	106	-	85-115	-	
Antimony, Total	101	-	85-115	-	
Arsenic, Total	98	-	85-115	-	
Barium, Total	102	-	85-115	-	
Beryllium, Total	100	-	85-115	-	
Cadmium, Total	100	-	85-115	-	
Calcium, Total	101	-	85-115	-	
Chromium, Total	104	-	85-115	-	
Cobalt, Total	99	-	85-115	-	
Copper, Total	104	-	85-115	-	
Iron, Total	106	-	85-115	-	
Lead, Total	91	-	85-115	-	
Magnesium, Total	110	-	85-115	-	
Manganese, Total	104	-	85-115	-	
Nickel, Total	105	-	85-115	-	
Potassium, Total	106	-	85-115	-	
Selenium, Total	92	-	85-115	-	
Silver, Total	109	-	85-115	-	
Sodium, Total	99	-	85-115	-	
Thallium, Total	98	-	85-115	-	
Vanadium, Total	106	-	85-115	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2036987-2					
Zinc, Total	104	-	85-115	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2036992-2					
Mercury, Total	95	-	85-115	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2037773-2					
Mercury, Dissolved	99	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036471-3 QC Sample: L2510980-01 Client ID: MS Sample												
Aluminum, Dissolved	0.032J	2	2.02	101		-	-		75-125	-		20
Antimony, Dissolved	ND	0.5	0.525	105		-	-		75-125	-		20
Arsenic, Dissolved	0.003J	0.12	0.124	103		-	-		75-125	-		20
Barium, Dissolved	0.045	2	2.00	98		-	-		75-125	-		20
Beryllium, Dissolved	ND	0.05	0.0500	100		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.053	0.0523	99		-	-		75-125	-		20
Calcium, Dissolved	128	10	137	90		-	-		75-125	-		20
Chromium, Dissolved	ND	0.2	0.194	97		-	-		75-125	-		20
Cobalt, Dissolved	ND	0.5	0.500	100		-	-		75-125	-		20
Copper, Dissolved	0.0180	0.25	0.268	100		-	-		75-125	-		20
Iron, Dissolved	0.018J	1	1.03	103		-	-		75-125	-		20
Lead, Dissolved	ND	0.53	0.504	95		-	-		75-125	-		20
Magnesium, Dissolved	9.18	10	18.0	88		-	-		75-125	-		20
Manganese, Dissolved	0.306	0.5	0.782	95		-	-		75-125	-		20
Nickel, Dissolved	ND	0.5	0.496	99		-	-		75-125	-		20
Potassium, Dissolved	32.4	10	42.6	102		-	-		75-125	-		20
Selenium, Dissolved	ND	0.12	0.118	98		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.0490	98		-	-		75-125	-		20
Sodium, Dissolved	168	10	172	**40**	Q	-	-		75-125	-		20
Thallium, Dissolved	ND	0.12	0.110	92		-	-		75-125	-		20
Vanadium, Dissolved	ND	0.5	0.487	97		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036471-3 QC Sample: L2510980-01 Client ID: MS Sample									
Zinc, Dissolved	0.070	0.5	0.586	103	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036987-3 QC Sample: L2511114-01 Client ID: MS Sample										
Aluminum, Total	ND	2	2.09	104		-	-	75-125	-	20
Antimony, Total	ND	0.5	0.516	103		-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.118	98		-	-	75-125	-	20
Barium, Total	0.089	2	2.11	101		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0493	99		-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.0524	99		-	-	75-125	-	20
Calcium, Total	35.7	10	45.0	93		-	-	75-125	-	20
Chromium, Total	ND	0.2	0.205	102		-	-	75-125	-	20
Cobalt, Total	0.002J	0.5	0.497	99		-	-	75-125	-	20
Copper, Total	ND	0.25	0.260	104		-	-	75-125	-	20
Iron, Total	0.512	1	1.54	103		-	-	75-125	-	20
Lead, Total	ND	0.53	0.477	90		-	-	75-125	-	20
Magnesium, Total	1.85	10	12.4	106		-	-	75-125	-	20
Manganese, Total	0.063	0.5	0.573	102		-	-	75-125	-	20
Nickel, Total	0.005J	0.5	0.528	106		-	-	75-125	-	20
Potassium, Total	2.09J	10	12.8	**128**	Q	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.112	93		-	-	75-125	-	20
Silver, Total	ND	0.05	0.0532	106		-	-	75-125	-	20
Sodium, Total	41.5	10	50.8	93		-	-	75-125	-	20
Thallium, Total	ND	0.12	0.117	98		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.526	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036987-3 QC Sample: L2511114-01 Client ID: MS Sample									
Zinc, Total	0.015	0.5	0.534	104	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036987-7 QC Sample: L2511503-06 Client ID: MS Sample										
Aluminum, Total	ND	2	2.06	103		-	-	75-125	-	20
Antimony, Total	ND	0.5	0.543	109		-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.122	102		-	-	75-125	-	20
Barium, Total	0.024	2	2.00	99		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0524	105		-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.0553	104		-	-	75-125	-	20
Calcium, Total	32.9	10	42.8	99		-	-	75-125	-	20
Chromium, Total	ND	0.2	0.208	104		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.523	105		-	-	75-125	-	20
Copper, Total	ND	0.25	0.267	107		-	-	75-125	-	20
Iron, Total	1.24	1	2.30	106		-	-	75-125	-	20
Lead, Total	ND	0.53	0.521	98		-	-	75-125	-	20
Magnesium, Total	4.49	10	14.4	99		-	-	75-125	-	20
Manganese, Total	0.400	0.5	0.914	103		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.526	105		-	-	75-125	-	20
Potassium, Total	2.41J	10	12.9	**129**	Q	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.0764	**64**	Q	-	-	75-125	-	20
Silver, Total	ND	0.05	0.0534	107		-	-	75-125	-	20
Sodium, Total	51.2	10	61.6	104		-	-	75-125	-	20
Thallium, Total	ND	0.12	0.116	97		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.526	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036987-7 QC Sample: L2511503-06 Client ID: MS Sample									
Zinc, Total	0.010	0.5	0.547	107	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036992-3 QC Sample: L2511944-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00461	92	-	-	70-130	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036992-5 WG2036992-6 QC Sample: L2511944-06 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00448	90	0.00462	92	70-130	3	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2037773-3 WG2037773-4 QC Sample: L2511944-06 Client ID: MS Sample									
Mercury, Dissolved	0.00024	0.005	0.00489	93	0.00498	95	75-125	2	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036471-4 QC Sample: L2510980-01 Client ID: DUP Sample						
Copper, Dissolved	0.0180	0.0175	mg/l	3		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036987-4 QC Sample: L2511114-01 Client ID: DUP Sample						
Aluminum, Total	ND	0.0324J	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036987-8 QC Sample: L2511503-06 Client ID: DUP Sample						
Iron, Total	1.24	1.27	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2036992-4 QC Sample: L2511944-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511529
Report Date: 03/18/25

SAMPLE RESULTS

Lab ID: L2511529-01
Client ID: MW-11D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water
Date Collected: 03/03/25 14:20
Date Received: 03/03/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 10:43	121,2320B	MKT
Alkalinity, Bicarbonate	37.3		mg CaCO3/L	2.00	NA	1	-	03/06/25 10:43	121,2320B	MKT
Solids, Total Dissolved	160		mg/l	13	4.0	1.3	-	03/05/25 00:55	121,2540C	DEW
Solids, Total Suspended	53.		mg/l	5.0	NA	1	-	03/04/25 09:18	121,2540D	BAY
Chloride	13.		mg/l	1.0	0.89	1	-	03/04/25 15:36	121,4500CL-E	JER
Fluoride	0.06	J	mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/04/25 06:29	121,4500NO3-F	KAF
Nitrogen, Nitrate	0.237		mg/l	0.100	0.022	1	-	03/04/25 06:29	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	0.24		mg/l	0.10	0.046	1	-	03/04/25 06:29	121,4500NO3-F	KAF
Total Nitrogen	ND		mg/l	0.30	0.30	1	-	03/10/25 15:48	107,-	JRO
Nitrogen, Total Kjeldahl	0.207	J	mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:41	4,351.1	AT
Phosphate, Total	0.408		mg/l	0.031	0.012	1	03/10/25 06:18	03/10/25 13:09	121,4500P-E(M)	EYA
Sulfate	28.		mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.043	J	mg/l	0.050	0.013	1	-	03/05/25 20:43	44,300.0	CVN

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2036273-1										
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/04/25 06:09	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2036276-1										
Nitrogen, Nitrate	ND		mg/l	0.100	0.022	1	-	03/04/25 06:11	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2036280-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	03/04/25 06:11	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2036399-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/04/25 09:18	121,2540D	BAY
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2036502-1										
Chloride	ND		mg/l	1.0	0.89	1	-	03/04/25 13:39	121,4500CL-E	JER
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2036703-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	03/05/25 00:55	121,2540C	DEW
Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG2036954-1										
Bromide	ND		mg/l	0.050	0.013	1	-	03/05/25 12:52	44,300.0	CVN
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2037143-1										
Fluoride	ND		mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2037321-1										
Nitrogen, Total Kjeldahl	0.130	J	mg/l	0.300	0.022	1	03/06/25 14:15	03/06/25 19:38	4,351.1	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2037359-1										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:37	121,2320B	MKT
Alkalinity, Bicarbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:37	121,2320B	MKT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2037673-1										
Phosphate, Total	0.015	J	mg/l	0.031	0.012	1	03/10/25 06:18	03/10/25 13:07	121,4500P-E(M)	EYA
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2038583-1										
Sulfate	2.0	J	mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2036273-2								
Nitrogen, Nitrite	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2036276-2								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2036280-2								
Nitrogen, Nitrate/Nitrite	100		-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2036399-2								
Solids, Total Suspended	96		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2036502-2								
Chloride	93		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2036703-2								
Solids, Total Dissolved	108		-		80-120	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG2036954-2								
Bromide	95		-		90-110	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2037143-2					
Fluoride	87	-	78-120	-	
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2037321-2					
Nitrogen, Total Kjeldahl	98	-	78-122	-	
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2037673-2					
Phosphate, Total	108	-	84-118	-	
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2038583-2					
Sulfate	100	-	90-110	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036273-4 QC Sample: L2511529-01 Client ID: MW-11D												
Nitrogen, Nitrite	ND	4	2.86	**72**	Q	-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036276-4 QC Sample: L2511529-01 Client ID: MW-11D												
Nitrogen, Nitrate	0.237	4	3.83	90		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036280-4 QC Sample: L2511529-01 Client ID: MW-11D												
Nitrogen, Nitrate/Nitrite	0.24	4	3.8	89		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036502-4 QC Sample: L2510776-01 Client ID: MS Sample												
Chloride	11.	20	28	85		-	-		58-140	-		7
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036954-3 QC Sample: L2511986-04 Client ID: MS Sample												
Bromide	ND	0.4	0.315	**78**	Q	-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2037143-4 QC Sample: L2511944-06 Client ID: MS Sample												
Fluoride	0.08J	1	0.94	94		-	-		69-124	-		13
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2037321-4 QC Sample: L2511944-06 Client ID: MS Sample												
Nitrogen, Total Kjeldahl	ND	8	9.06	**113**	Q	-	-		77-111	-		24
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2037673-4 QC Sample: L2511944-03 Client ID: MS Sample												
Phosphate, Total	0.141	1.53	1.81	109		-	-		80-120	-		15
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2038583-4 QC Sample: L2511944-06 Client ID: MS Sample												
Sulfate	9.1J	40	56	140		-	-		55-147	-		14

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036273-3 QC Sample: L2511529-01 Client ID: MW-11D						
Nitrogen, Nitrite	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036276-3 QC Sample: L2511529-01 Client ID: MW-11D						
Nitrogen, Nitrate	0.237	0.235	mg/l	1		17
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036280-3 QC Sample: L2511529-01 Client ID: MW-11D						
Nitrogen, Nitrate/Nitrite	0.24	0.23	mg/l	4		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036399-3 QC Sample: L2511456-02 Client ID: DUP Sample						
Solids, Total Suspended	410	350	mg/l	16		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036399-4 QC Sample: L2511456-03 Client ID: DUP Sample						
Solids, Total Suspended	430	490	mg/l	13		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036502-3 QC Sample: L2510776-01 Client ID: DUP Sample						
Chloride	11.	9.4	mg/l	**16**	Q	7
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036703-3 QC Sample: L2511529-01 Client ID: MW-11D						
Solids, Total Dissolved	160	110	mg/l	**37**	Q	10
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2036954-4 QC Sample: L2511986-04 Client ID: DUP Sample						
Bromide	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2037143-3 QC Sample: L2511944-06 Client ID: DUP Sample						
Fluoride	0.08J	0.08J	mg/l	NC		13

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2037321-3 QC Sample: L2511944-06 Client ID: DUP Sample					
Nitrogen, Total Kjeldahl	ND	0.333	mg/l	NC	24
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2037359-3 QC Sample: L2511944-06 Client ID: DUP Sample					
Alkalinity, Carbonate	ND	ND	mg CaCO3/L	NC	10
Alkalinity, Bicarbonate	57.9	58.2	mg CaCO3/L	1	9
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2037673-3 QC Sample: L2511944-03 Client ID: DUP Sample					
Phosphate, Total	0.141	0.135	mg/l	4	15
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2038583-3 QC Sample: L2511944-06 Client ID: DUP Sample					
Sulfate	9.1J	9.8J	mg/l	NC	14

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2511529-01A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2511529-01B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2511529-01C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2511529-01D	Amber 100ml unpreserved	A	7	7	4.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511529-01E	Amber 100ml unpreserved	A	7	7	4.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511529-01F	Plastic 250ml HNO3 preserved	A	<2	<2	4.5	Y	Absent		ZN-RI(180),FE-RI(180),BE-RI(180),SE-RI(180),K-RI(180),MG-RI(180),AL-RI(180),TL-RI(180),MN-RI(180),CU-RI(180),SB-RI(180),CO-RI(180),BA-RI(180),CA-RI(180),CR-RI(180),HG-R(28),NI-RI(180),AG-RI(180),NA-RI(180),PB-RI(180),V-RI(180),CD-RI(180),AS-RI(180)
L2511529-01G	Plastic 250ml HNO3 preserved	A	<2	<2	4.5	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),ZN-UI(180),CA-UI(180),AG-UI(180),K-UI(180),CO-UI(180),FE-UI(180),SE-UI(180),MG-UI(180),HG-U(28),CD-UI(180),NA-UI(180),CR-UI(180),MN-UI(180),AL-UI(180),BE-UI(180),PB-UI(180),CU-UI(180),V-UI(180),TL-UI(180),AS-UI(180)
L2511529-01H	Plastic 250ml unpreserved	A	7	7	4.5	Y	Absent		SUB-IODIDE(7)
L2511529-01J	Plastic 250ml unpreserved/No Headspace	A	NA		4.5	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511529-01K	Plastic 500ml H2SO4 preserved	A	<2	<2	4.5	Y	Absent		SUB-AMMONIUM(28)
L2511529-01L	Amber 950ml H2SO4 preserved	A	<2	<2	4.5	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511529-01M	Plastic 950ml unpreserved	A	7	7	4.5	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2511529-01N	Plastic 950ml unpreserved	A	7	7	4.5	Y	Absent		TSS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511529
Report Date: 03/18/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

*Values in parentheses indicate holding time in days

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511529
Project Number:	2232.0006Y005	**Report Date:**	03/18/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511529
Project Number:	2232.0006Y005	**Report Date:**	03/18/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511529
Project Number:	2232.0006Y005	**Report Date:**	03/18/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CORAM MATERIALS **Lab Number:** L2511529

Project Number: 2232.0006Y005 **Report Date:** 03/18/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

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 3

Date Rec'd in Lab 3/4/25

L2511529 10MAR25
ROUX – NY

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time

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

Client Information

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

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	TDS-2540/TSS-2540	Cl-4500/ Br-300	NO3-4500	NO2-4500	TOTALNITROGEN(tkn 35	Total Bottles
11529-01	MW-11D	3/3/25	1420	AQ	BW	X	X	X	X	X	X	X	X	14

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

Sample Specific Comments

Container Type: V A P A P A A A
Preservative: B A C A A D D D

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
Ashley Iervolino	3/3/25 1500	WIFI Place	1500 3/3/25
WIFI Place	3/3/25 1920		3/3/25 1921
	3/4/25 0110		3/4 0110

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

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

Page 2 of 3

Date Rec'd in Lab: 3/4/25

ALPHA Job #: L2511529

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.00006
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:

SUB IODIDE send from WB to PACE INDY/ SUB AMMONIUM send from WB to Galbraith Laboratories

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	SO4-4500	Alk-HCO3-2320	Alk-CO3-2320	F-4500	TPO4-4500	SUB-IODIDE	SUB-AMMONIUM	Sample Specific Comments	Total Bottles
11529-01	MW-11D	3/3/2025	1420	AQ	BW	X	X	X	X	X	X	X		16
Container Type						P	P	P	P	A	P	P		
Preservative						A	A	A	A	D	A	D		

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
	3/3/25 1500	WIFI Pace	3/3/25 1500
WIFI Pace	3/3/25 1920		3/3/25 1921
	3/3/25 3/4/25 0110		3/3/25 2230 3/4 0110

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, INC.

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 3

Date Rec'd in Lab

ALPHA Job #

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:

Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS

SUB-SULFIDE

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

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-SULFIDE	Sample Specific Comments	Total Bottles
	MW-11D	3/3/25	1420	AQ	BW	X		12

Container Type: P
Preservative: C

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
[signature]	3/3/25 1500	WITH Pace	3/3/25 1500

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)

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

March 05, 2025

Jennifer Byrnes

,

RE: Project: CORAM MATERIALS 3/3
Pace Project No.: 70340756

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 03, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Alpha Analytical

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: CORAM MATERIALS 3/3
Pace Project No.: 70340756

Pace Analytical Services, LLC - Melville, NY
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

SAMPLE SUMMARY

Project: CORAM MATERIALS 3/3
Pace Project No.: 70340756

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70340756001	MW-11D	Water	03/03/25 14:20	03/03/25 16:30

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Melville, NY 11747
516-370-6000

SAMPLE ANALYTE COUNT

Project: CORAM MATERIALS 3/3
Pace Project No.: 70340756

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70340756001	MW-11D	SM22 4500-S2 F	JWM	1

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: CORAM MATERIALS 3/3
Pace Project No.: 70340756

Method: SM22 4500-S2 F
Description: 4500S2F W Sulfide Iodometric
Client: Alpha Analytical
Date: March 05, 2025

General Information:
1 sample was analyzed for SM22 4500-S2 F by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

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

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

Additional Comments:

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

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Melville, NY 11747
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ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/3
Pace Project No.: 70340756

Sample: MW-11D Lab ID: 70340756001 Collected: 03/03/25 14:20 Received: 03/03/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/05/25 15:20		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
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Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: CORAM MATERIALS 3/3
Pace Project No.: 70340756

QC Batch: 387860
QC Batch Method: SM22 4500-S2 F
Analysis Method: SM22 4500-S2 F
Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70340756001

METHOD BLANK: 2037740 Matrix: Water
Associated Lab Samples: 70340756001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	03/05/25 15:04	

LABORATORY CONTROL SAMPLE & LCSD: 2037741 2037742

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

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

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALIFIERS

Project: CORAM MATERIALS 3/3
Pace Project No.: 70340756

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CORAM MATERIALS 3/3
Pace Project No.: 70340756

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70340756001	MW-11D	SM22 4500-S2 F	387860		

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WO# : 70340756

70340756

: 35 Whitney Rd, Suite 5
14 Walker Way
4150: 275 Cooper Ave, Suite 105

FAX: 508-898-9193 FAX: 508-822-3288

Page 3 of 3

Date Rec'd in Lab

ALPHA Job #

Client Information

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

Project Information

Project: CORAM MATERIALS
Project Location:
Project # 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:

Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS

SUB-SULFIDE

Sample Filtration

☐ Done
☐ Lab to do
Preservation
☐ Lab to do

(Please Specify below)

Sample Specific Comments

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-SULFIDE	Total Bottles
	MW-11D	3/3/25	1420	AQ	BW	X	16

Container Type: P
Preservative: C

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
	3/3/25 1500	WiFi Pace	3/3/25 1500
WiFi Pace	3/3/25 1630		3/3/25 1630

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)

Serial_No:03182514:46

DC#_Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70340756
PM: BDR Due Date: 03/13/25
CLIENT: ALPHA

Client Name: ALPHA Projec

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐Yes ☑No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☑ No
Packing Material: ☐Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: T1721 Correction Factor: +0.2 ☐Samples on ice, cooling process has begun
Cooler Temperature(°C): 5.4 Cooler Temperature Corrected(°C): 5.6 Date/Time 5035A kits placed in freezer
Temp should be above freezing to 6.0°C

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

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: 3/3/25 CJ

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	☑Yes	☐No		12.

Date and Initials of person checking preservation: 3/3/25 CJ

All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # 23224				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑Yes	☐No	☐N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulf	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16.
Trip Blank Present:	☐Yes	☐No	☑N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: **Field Data Required?** Y / N
Person Contacted: **Date/Time:**
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2511529

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2511529 Report to include Method and/or Regulatory required batch QC

Additional Comments: REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller", needs NYSDEC Equis EDD

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2511529-01	MW-11D	03-03-25 14:20	WATER	Sulfide			0

	Relinquished By:	Date/Time:	Received By:	Date/Time:
Form No: AL_subcoc				

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

March 13, 2025

Jennifer Byrnes
Pace MA
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2511529
Pace Project No.: 50395271

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 05, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Indianapolis

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace MA

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: L2511529
Pace Project No.: 50395271

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: L2511529
Pace Project No.: 50395271

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50395271001	**MW-11D**	Water	03/03/25 14:20	03/05/25 08:50

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(317)228-3100

SAMPLE ANALYTE COUNT

Project: L2511529
Pace Project No.: 50395271

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50395271001	**MW-11D**	EPA 9056	GLT	1

PASI-I = Pace Analytical Services - Indianapolis

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2511529
Pace Project No.: 50395271

Sample: MW-11D **Lab ID: 50395271001** Collected: 03/03/25 14:20 Received: 03/05/25 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 03:34		

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: L2511529
Pace Project No.: 50395271

QC Batch: 833204
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 Iodide by IC
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50395271001

METHOD BLANK: 3811907 Matrix: Water
Associated Lab Samples: 50395271001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	03/07/25 22:59	

LABORATORY CONTROL SAMPLE: 3811908

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.5	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3811909 3811910

Parameter	Units	50395134001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	4.7	4.7	94	93	80-120	1	15	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: L2511529
Pace Project No.: 50395271

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2511529
Pace Project No.: 50395271

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50395271001	**MW-11D**	EPA 9056	833204		

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Pace

WO# : 50395271

50395271

tract Chain of Custody

nalytical (Indianapolis, IN)
oller Road
polis, IN 46268

Pace Job Number
L2511529

Page 1

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To:west.subreports@pacelabs.com Bill To:invoices@pacelabs.coupahost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com	Project Location: NY Project Manager: Jennifer Byrnes **Turnaround & Deliverables Information** Due Date: Deliverables: ASP Category B Deliverables	State/Federal Program: Regulatory Criteria: Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2511529 Report to include Method and/or Regulatory required batch QC

Additional Comments: "Profile # 11706: needs L4 and EDD 265 NY EQUIS

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2511529-01	MW-11D	03-03-25 14:20	WATER	Iodide			1

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	Watson	3/4/25	redex	
	Feldt	3/5/25 850	Pace	3/5/25 850
Form No: AL_subcoc				

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: AB 3/5/25 1535

1. Thermometer: 1 2 3 4 5 (6) 7 8 9 A B C D E F G H I	**5. Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____
2. Cooler Temperature(s): (Initial/Corrected) 0.6 | | | | RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)	**6. Ice Type:** ☑ Wet ☐ Blue ☐ None
3. Courier: Circle One: Fed Ex UPS Client Pace Now/Jett Other	**7. Was the PM notified of out of temp cooler?** ☐ Yes ☐ No
4. Custody Seal on Cooler/Box Present: ☑ Yes ☐ No	Cooler temp should be above freezing to 6°C
(If yes)Seals Intact: ☑ Yes ☐ No (leave blank if no seals were present)	If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		/	All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form			/
Short Hold Time Analysis (48 hours or less)? Analysis:		/				
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A /
Rush TAT Requested (4 days or less):		/	Residual Chlorine Check (Total/Amenable/Free Cyanide)			/
Custody Signatures Present?	/		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent /
Containers Intact?:	/		Trip Blank Present?		/	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	/		Trip Blank Custody Seals?:			/
Extra labels on Terracore Vials? (soils only)		/	Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix
1																													
2																													
3																													
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11																													
12																													

Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
Red	Yellow	Green	Black
HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Report Number: 159620 Report Date: 2025-03-18

Laboratory Report

Report prepared for:
Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581
Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:
Debbie S Robertson

Purchase Order:

For further assistance, contact:
Debbie S Robertson
Report Production Coordinator
PO Box 51610
Knoxville, TN 37950 -1610
(865) 546-1335
debbierobertson@galbraith.com

Sample: L2511529 MW-11D
Lab ID: 2025-V-6014 **Received:** 2025-03-05

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	217.27 mg	2025-03-14

Signatures:

Created By:	Debbie.S.Robertson	2025-03-18T17:38:21.023-04:00
Published By:	Debbie.S.Robertson	2025-03-18T17:38:42.6-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.

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ANALYTICAL REPORT

Lab Number:	L2511944
Client:	Roux Env. Eng. & Geology, DPC 209 N. Shafter St. Islandia, NY 11749
ATTN:	Ashley Iervolino
Phone:	(631) 232-2600
Project Name:	CORAM MATERIALS
Project Number:	2232.0006Y005
Report Date:	04/11/25

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2511944-01	MW-11S	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 08:30	03/04/25
L2511944-02	MW-10S	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 15:40	03/04/25
L2511944-03	MW-10D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 15:20	03/04/25
L2511944-04	MW-13S	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 13:55	03/04/25
L2511944-05	MW-13D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 13:22	03/04/25
L2511944-06	MW-1SR	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 10:57	03/04/25
L2511944-07	MW-1DR2	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 10:05	03/04/25
L2511944-08	DUP_03042025	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 12:00	03/04/25
L2511944-09	EQUIPMENT BLANK	EQUIPMENT BLANK	416 MILLER PLACE-YAPHANK ROAD	03/04/25 15:30	03/04/25
L2511944-10	TRIP BLANK	TRIP BLANK (AQUEOUS)	416 MILLER PLACE-YAPHANK ROAD	03/04/25 00:00	03/04/25

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511944
Project Number:	2232.0006Y005	**Report Date:**	04/11/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511944
Project Number:	2232.0006Y005	**Report Date:**	04/11/25

Case Narrative (continued)

Report Revision

April 11, 2025: The Client ID has been corrected on L2511944-07 on this report as well as on the subcontracted report.

Report Submission

March 28, 2025: This final report includes the results of all requested analyses.

March 19, 2025: This is a preliminary report.

March 11, 2025: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The analyses of Amonnium, Iodide, RA226/228/230, Sulfide, Thorium, and Uranium were subcontracted. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Total Metals

The WG2038522-3/-4 MS/MSD recoveries performed on L2511944-06 are outside the acceptance criteria for potassium (130%/126%). A post digestion spike was performed and yielded an unacceptable recovery for potassium (126%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

Dissolved Metals

The WG2038531-4 MSD recovery performed on L2511944-06 is outside the acceptance criteria for potassium (127%). A post digestion spike was performed and yielded an unacceptable recovery for potassium (126%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511944
Project Number:	2232.0006Y005	**Report Date:**	04/11/25

Case Narrative (continued)

Nitrogen, Total Kjeldahl

The WG2037321-4 MS recovery performed on L2511944-06 is outside the acceptance criteria for nitrogen, total kjeldahl (113%); however, the associated LCS recovery is within criteria. No further action was taken.

Anions by Ion Chromatography

The WG2038111-3/-4 MS/MSD recoveries performed on L2511944-06 are outside the acceptance criteria for bromide (82%/82%); however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 04/11/25

ORGANICS

VOLATILES

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-01
Client ID: MW-11S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 08:30
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/07/25 21:35
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-01 Date Collected: 03/04/25 08:30

Client ID: MW-11S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-02
Client ID: MW-10S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 15:40
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/07/25 22:02
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	2.5		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-02 Date Collected: 03/04/25 15:40

Client ID: MW-10S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.9		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-03
Client ID: MW-10D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 15:20
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/07/25 22:28
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-03 Date Collected: 03/04/25 15:20

Client ID: MW-10D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-04
Client ID: MW-13S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 13:55
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/07/25 22:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-04 Date Collected: 03/04/25 13:55

Client ID: MW-13S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-05
Client ID: MW-13D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 13:22
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/07/25 23:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-05 Date Collected: 03/04/25 13:22

Client ID: MW-13D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-06
Client ID: MW-1SR
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 10:57
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/07/25 23:48
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-06 Date Collected: 03/04/25 10:57

Client ID: MW-1SR Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.7		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-07
Client ID: MW-1DR2
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Date Collected: 03/04/25 10:05
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/08/25 00:15
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-07 Date Collected: 03/04/25 10:05

Client ID: MW-1DR2 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-08
Client ID: DUP_03042025
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 12:00
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/08/25 00:41
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-08 Date Collected: 03/04/25 12:00

Client ID: DUP_03042025 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-09
Client ID: EQUIPMENT BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 15:30
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8260D
Analytical Date: 03/08/25 01:08
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-09 Date Collected: 03/04/25 15:30

Client ID: EQUIPMENT BLANK Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-10
Client ID: TRIP BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 00:00
Date Received: 03/04/25
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 03/07/25 21:09
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-10 Date Collected: 03/04/25 00:00

Client ID: TRIP BLANK Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/25 20:19
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2038627-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/25 20:19
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2038627-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/25 20:19
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2038627-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2038627-3 WG2038627-4								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	99		99		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	97		100		70-130	3		20
Dibromochloromethane	86		92		63-130	7		20
1,1,2-Trichloroethane	87		95		70-130	9		20
Tetrachloroethene	97		93		70-130	4		20
Chlorobenzene	100		95		75-130	5		20
Trichlorofluoromethane	100		94		62-150	6		20
1,2-Dichloroethane	90		98		70-130	9		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	97		94		67-130	3		20
trans-1,3-Dichloropropene	83		93		70-130	11		20
cis-1,3-Dichloropropene	91		98		70-130	7		20
Bromoform	73		89		54-136	20		20
1,1,2,2-Tetrachloroethane	77		94		67-130	20		20
Benzene	100		99		70-130	1		20
Toluene	100		96		70-130	4		20
Ethylbenzene	100		96		70-130	4		20
Chloromethane	110		100		64-130	10		20
Bromomethane	81		85		39-139	5		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2038627-3 WG2038627-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		96		70-130	4		20
1,2-Dichlorobenzene	95		96		70-130	1		20
1,3-Dichlorobenzene	97		97		70-130	0		20
1,4-Dichlorobenzene	96		96		70-130	0		20
Methyl tert butyl ether	83		94		63-130	12		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	100		97		36-147	3		20
Acetone	100		86		58-148	15		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	97		87		63-138	11		20
4-Methyl-2-pentanone	81		87		59-130	7		20
2-Hexanone	86		86		57-130	0		20
Bromochloromethane	96		100		70-130	4		20
1,2-Dibromoethane	79		96		70-130	19		20
1,2-Dibromo-3-chloropropane	83		93		41-144	11		20
Isopropylbenzene	100		95		70-130	5		20
1,2,3-Trichlorobenzene	92		94		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2038627-3 WG2038627-4								
1,2,4-Trichlorobenzene	93		91		70-130	2		20
Methyl Acetate	86		94		70-130	9		20
Cyclohexane	96		92		70-130	4		20
Freon-113	98		95		70-130	3		20
Methyl cyclohexane	92		90		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		98		70-130
Toluene-d8	103		98		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	97		102		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2038627-6 WG2038627-7 QC Sample: L2511944-06 Client ID: MW-1SR												
Methylene chloride	ND	10	11	110		12	120		70-130	9		20
1,1-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	12	120		11	110		70-130	9		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	11	110		11	110		70-130	0		20
Tetrachloroethene	ND	10	10	100		10	100		70-130	0		20
Chlorobenzene	ND	10	11	110		10	100		75-130	10		20
Trichlorofluoromethane	ND	10	11	110		12	120		62-150	9		20
1,2-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
1,1,1-Trichloroethane	ND	10	11	110		12	120		67-130	9		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
Bromoform	ND	10	9.7	97		9.8	98		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	100		67-130	0		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	11	110		10	100		70-130	10		20
Chloromethane	ND	10	12	120		12	120		64-130	0		20
Bromomethane	ND	10	9.0	90		10	100		39-139	11		20
Vinyl chloride	ND	10	13	130		13	130		55-140	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2038627-6 WG2038627-7 QC Sample: L2511944-06 Client ID: MW-1SR												
Chloroethane	ND	10	14	**140**	Q	14	**140**	Q	55-138	0		20
1,1-Dichloroethene	ND	10	11	110		12	120		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	110		12	120		70-130	9		20
Trichloroethene	ND	10	11	110		11	110		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	10	100		11	110		63-130	10		20
p/m-Xylene	ND	20	21	105		20	100		70-130	5		20
o-Xylene	ND	20	21	105		21	105		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Styrene	ND	20	20	100		19	95		70-130	5		20
Dichlorodifluoromethane	ND	10	12	120		12	120		36-147	0		20
Acetone	5.7	10	9.4	**37**	Q	13	73		58-148	**32**	Q	20
Carbon disulfide	ND	10	11	110		12	120		51-130	9		20
2-Butanone	ND	10	10	100		9.7	97		63-138	3		20
4-Methyl-2-pentanone	ND	10	9.6	96		9.4	94		59-130	2		20
2-Hexanone	ND	10	9.2	92		9.1	91		57-130	1		20
Bromochloromethane	ND	10	11	110		12	120		70-130	9		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	9.7	97		9.6	96		41-144	1		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2038627-6 WG2038627-7 QC Sample: L2511944-06 Client ID: MW-1SR												
1,2,4-Trichlorobenzene	ND	10	10	100		9.9	99		70-130	1		20
Methyl Acetate	ND	10	9.0	90		9.0	90		70-130	0		20
Cyclohexane	ND	10	11	110		11	110		70-130	0		20
Freon-113	ND	10	12	120		12	120		70-130	0		20
Methyl cyclohexane	ND	10	11	110		10	100		70-130	10		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		98		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	103		103		70-130
Toluene-d8	99		100		70-130

SEMIVOLATILES

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-01
Client ID: MW-11S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 08:30
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/06/25 08:16
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	3.9		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-01 Date Collected: 03/04/25 08:30

Client ID: MW-11S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	92		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-01
Client ID: MW-11S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 08:30
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/25 16:14
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-01 Date Collected: 03/04/25 08:30

Client ID: MW-11S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	94		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-02
Client ID: MW-10S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 15:40
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/06/25 10:38
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-02 Date Collected: 03/04/25 15:40

Client ID: MW-10S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	114		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	100		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-02
Client ID: MW-10S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 15:40
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/25 16:31
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-02 Date Collected: 03/04/25 15:40

Client ID: MW-10S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	93		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-03
Client ID: MW-10D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 15:20
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/06/25 11:26
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-03 Date Collected: 03/04/25 15:20

Client ID: MW-10D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	**123**	Q	23-120
2-Fluorobiphenyl	113		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	119		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-03
Client ID: MW-10D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 15:20
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/25 17:05
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-03 Date Collected: 03/04/25 15:20

Client ID: MW-10D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	**128**	Q	10-120
4-Terphenyl-d14	112		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-04
Client ID: MW-13S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 13:55
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/06/25 11:49
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	1.4	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-04 Date Collected: 03/04/25 13:55

Client ID: MW-13S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	**132**	Q	23-120
2-Fluorobiphenyl	107		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	114		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-04
Client ID: MW-13S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 13:55
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/25 17:22
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.09	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.56		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.05	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	0.07	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	0.06	J	ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.05	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.11		ug/l	0.10	0.03	1
Phenanthrene	0.52		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.38		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-04 Date Collected: 03/04/25 13:55

Client ID: MW-13S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	**125**	Q	10-120
4-Terphenyl-d14	109		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-05
Client ID: MW-13D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 13:22
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/06/25 12:13
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	1.7	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-05 Date Collected: 03/04/25 13:22

Client ID: MW-13D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	111		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	96		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-05
Client ID: MW-13D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 13:22
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/25 17:39
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-05 Date Collected: 03/04/25 13:22

Client ID: MW-13D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	103		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-06
Client ID: MW-1SR
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 10:57
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/06/25 17:26
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.6	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-06 Date Collected: 03/04/25 10:57

Client ID: MW-1SR Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	117		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	123		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-06
Client ID: MW-1SR
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 10:57
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/07/25 19:09
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-06 Date Collected: 03/04/25 10:57

Client ID: MW-1SR Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	96		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	110		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-07
Client ID: MW-1DR2
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 10:05
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/06/25 17:51
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	3.2		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-07 Date Collected: 03/04/25 10:05

Client ID: MW-1DR2 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	0.72	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	104		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	117		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-07
Client ID: MW-1DR2
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 10:05
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/07/25 19:59
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-07 Date Collected: 03/04/25 10:05

Client ID: MW-1DR2 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	**133**	Q	10-120
4-Terphenyl-d14	113		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-08
Client ID: DUP_03042025
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 12:00
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/06/25 18:17
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.9	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-08 Date Collected: 03/04/25 12:00

Client ID: DUP_03042025 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	111		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	124		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-08
Client ID: DUP_03042025
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 12:00
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/07/25 20:16
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-08 Date Collected: 03/04/25 12:00

Client ID: DUP_03042025 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	104		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-09
Client ID: EQUIPMENT BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 15:30
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270E
Analytical Date: 03/11/25 00:29
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-09 Date Collected: 03/04/25 15:30

Client ID: EQUIPMENT BLANK Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	88		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-09
Client ID: EQUIPMENT BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/04/25 15:30
Date Received: 03/04/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270E-SIM
Analytical Date: 03/10/25 15:50
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-09 Date Collected: 03/04/25 15:30

Client ID: EQUIPMENT BLANK Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	94		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/06/25 02:23
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG2037072-1					
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	1.6	J	ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/06/25 02:23
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG2037072-1					
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	100		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/25 08:09
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG2037073-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/25 08:09
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/05/25 16:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG2037073-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	96		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	120		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/10/25 22:37
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 11:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG2038540-1					
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/10/25 22:37
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 11:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG2038540-1					
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	77		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/10/25 15:33
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 11:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG2038541-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/10/25 15:33
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 11:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG2038541-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG2037072-2 WG2037072-3								
3,3'-Dichlorobenzidine	99		102		40-140	3		30
2,4-Dinitrotoluene	103		97		48-143	6		30
2,6-Dinitrotoluene	95		96		40-140	1		30
4-Chlorophenyl phenyl ether	86		92		40-140	7		30
4-Bromophenyl phenyl ether	88		83		40-140	6		30
Bis(2-chloroisopropyl)ether	80		78		40-140	3		30
Bis(2-chloroethoxy)methane	105		102		40-140	3		30
Hexachlorocyclopentadiene	55		52		40-140	6		30
Isophorone	106		106		40-140	0		30
Nitrobenzene	101		104		40-140	3		30
NDPA/DPA	91		94		40-140	3		30
n-Nitrosodi-n-propylamine	104		104		29-132	0		30
Bis(2-ethylhexyl)phthalate	109		116		40-140	6		30
Butyl benzyl phthalate	100		101		40-140	1		30
Di-n-butylphthalate	99		95		40-140	4		30
Di-n-octylphthalate	108		108		40-140	0		30
Diethyl phthalate	100		100		40-140	0		30
Dimethyl phthalate	96		91		40-140	5		30
Biphenyl	90		89		40-140	1		30
4-Chloroaniline	106		91		40-140	15		30
2-Nitroaniline	94		98		52-143	4		30
3-Nitroaniline	97		98		25-145	1		30
4-Nitroaniline	102		97		51-143	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG2037072-2 WG2037072-3								
Dibenzofuran	88		94		40-140	7		30
1,2,4,5-Tetrachlorobenzene	76		81		2-134	6		30
Acetophenone	109		108		39-129	1		30
2,4,6-Trichlorophenol	87		84		30-130	4		30
p-Chloro-m-cresol	**106**	Q	**108**	Q	23-97	2		30
2-Chlorophenol	85		93		27-123	9		30
2,4-Dichlorophenol	89		90		30-130	1		30
2,4-Dimethylphenol	113		109		30-130	4		30
2-Nitrophenol	86		86		30-130	0		30
4-Nitrophenol	63		64		10-80	2		30
2,4-Dinitrophenol	111		96		20-130	14		30
4,6-Dinitro-o-cresol	96		89		20-164	8		30
Phenol	49		54		12-110	10		30
2-Methylphenol	90		91		30-130	1		30
3-Methylphenol/4-Methylphenol	88		89		30-130	1		30
2,4,5-Trichlorophenol	94		93		30-130	1		30
Carbazole	101		103		55-144	2		30
Atrazine	96		93		40-140	3		30
Benzaldehyde	117		124		40-140	6		30
Caprolactam	36		35		10-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG2037072-2 WG2037072-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		61		21-120
Phenol-d6	47		45		10-120
Nitrobenzene-d5	97		102		23-120
2-Fluorobiphenyl	82		86		15-120
2,4,6-Tribromophenol	89		90		10-120
4-Terphenyl-d14	87		93		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG2037073-2 WG2037073-3								
Acenaphthene	72		66		40-140	9		40
2-Chloronaphthalene	75		68		40-140	10		40
Fluoranthene	82		73		40-140	12		40
Hexachlorobutadiene	54		49		40-140	10		40
Naphthalene	65		59		40-140	10		40
Benzo(a)anthracene	85		74		40-140	14		40
Benzo(a)pyrene	99		88		40-140	12		40
Benzo(b)fluoranthene	91		81		40-140	12		40
Benzo(k)fluoranthene	91		80		40-140	13		40
Chrysene	86		77		40-140	11		40
Acenaphthylene	90		82		40-140	9		40
Anthracene	85		75		40-140	13		40
Benzo(ghi)perylene	112		100		40-140	11		40
Fluorene	80		72		40-140	11		40
Phenanthrene	82		72		40-140	13		40
Dibenzo(a,h)anthracene	121		108		40-140	11		40
Indeno(1,2,3-cd)pyrene	126		113		40-140	11		40
Pyrene	79		69		40-140	14		40
2-Methylnaphthalene	70		64		40-140	9		40
Pentachlorophenol	76		72		40-140	5		40
Hexachlorobenzene	86		77		40-140	11		40
Hexachloroethane	56		51		40-140	9		40
Bis(2-chloroethyl)ether	74		68		40-140	8		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG2037073-2 WG2037073-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		50		21-120
Phenol-d6	45		42		10-120
Nitrobenzene-d5	86		79		23-120
2-Fluorobiphenyl	82		74		15-120
2,4,6-Tribromophenol	89		80		10-120
4-Terphenyl-d14	74		65		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG2038540-2 WG2038540-3								
3,3'-Dichlorobenzidine	66		55		40-140	18		30
2,4-Dinitrotoluene	89		66		48-143	30		30
2,6-Dinitrotoluene	90		71		40-140	24		30
4-Chlorophenyl phenyl ether	82		63		40-140	26		30
4-Bromophenyl phenyl ether	86		62		40-140	**32**	Q	30
Bis(2-chloroisopropyl)ether	68		55		40-140	21		30
Bis(2-chloroethoxy)methane	75		61		40-140	21		30
Hexachlorocyclopentadiene	74		58		40-140	24		30
Isophorone	77		59		40-140	26		30
Nitrobenzene	76		66		40-140	14		30
NDPA/DPA	84		62		40-140	30		30
n-Nitrosodi-n-propylamine	76		62		29-132	20		30
Bis(2-ethylhexyl)phthalate	84		59		40-140	**35**	Q	30
Butyl benzyl phthalate	90		68		40-140	28		30
Di-n-butylphthalate	84		65		40-140	26		30
Di-n-octylphthalate	84		60		40-140	**33**	Q	30
Diethyl phthalate	80		62		40-140	25		30
Dimethyl phthalate	91		68		40-140	29		30
Biphenyl	91		74		40-140	21		30
4-Chloroaniline	67		53		40-140	23		30
2-Nitroaniline	87		68		52-143	25		30
3-Nitroaniline	84		64		25-145	27		30
4-Nitroaniline	92		68		51-143	30		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG2038540-2 WG2038540-3								
Dibenzofuran	80		62		40-140	25		30
1,2,4,5-Tetrachlorobenzene	85		69		2-134	21		30
Acetophenone	92		76		39-129	19		30
2,4,6-Trichlorophenol	79		67		30-130	16		30
p-Chloro-m-cresol	90		67		23-97	29		30
2-Chlorophenol	77		63		27-123	20		30
2,4-Dichlorophenol	83		64		30-130	26		30
2,4-Dimethylphenol	81		63		30-130	25		30
2-Nitrophenol	90		66		30-130	**31**	Q	30
4-Nitrophenol	68		53		10-80	25		30
2,4-Dinitrophenol	68		53		20-130	25		30
4,6-Dinitro-o-cresol	85		59		20-164	**36**	Q	30
Phenol	50		37		12-110	30		30
2-Methylphenol	73		58		30-130	23		30
3-Methylphenol/4-Methylphenol	73		57		30-130	25		30
2,4,5-Trichlorophenol	89		67		30-130	28		30
Carbazole	85		64		55-144	28		30
Atrazine	114		83		40-140	**31**	Q	30
Benzaldehyde	108		82		40-140	27		30
Caprolactam	37		33		10-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG2038540-2 WG2038540-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		52		21-120
Phenol-d6	48		38		10-120
Nitrobenzene-d5	87		65		23-120
2-Fluorobiphenyl	85		67		15-120
2,4,6-Tribromophenol	89		67		10-120
4-Terphenyl-d14	92		70		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab	Associated sample(s): 09		Batch: WG2038541-2 WG2038541-3					
Acenaphthene	84		81		40-140	4		40
2-Chloronaphthalene	77		74		40-140	4		40
Fluoranthene	84		80		40-140	5		40
Hexachlorobutadiene	55		55		40-140	0		40
Naphthalene	72		72		40-140	0		40
Benzo(a)anthracene	94		88		40-140	7		40
Benzo(a)pyrene	101		95		40-140	6		40
Benzo(b)fluoranthene	93		87		40-140	7		40
Benzo(k)fluoranthene	93		89		40-140	4		40
Chrysene	88		83		40-140	6		40
Acenaphthylene	90		86		40-140	5		40
Anthracene	92		86		40-140	7		40
Benzo(ghi)perylene	119		111		40-140	7		40
Fluorene	92		88		40-140	4		40
Phenanthrene	88		82		40-140	7		40
Dibenzo(a,h)anthracene	115		107		40-140	7		40
Indeno(1,2,3-cd)pyrene	117		109		40-140	7		40
Pyrene	82		79		40-140	4		40
2-Methylnaphthalene	68		67		40-140	1		40
Pentachlorophenol	94		85		40-140	10		40
Hexachlorobenzene	84		79		40-140	6		40
Hexachloroethane	66		66		40-140	0		40
Bis(2-chloroethyl)ether	86		84		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG2038541-2 WG2038541-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		77		21-120
Phenol-d6	64		61		10-120
Nitrobenzene-d5	97		91		23-120
2-Fluorobiphenyl	83		77		15-120
2,4,6-Tribromophenol	113		102		10-120
4-Terphenyl-d14	81		76		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG2037072-4 WG2037072-5 QC Sample: L2511944-06 Client ID: MW-1SR												
3,3'-Dichlorobenzidine	ND	20	26	130		12	60		40-140	**74**	Q	30
2,4-Dinitrotoluene	ND	20	22	110		19	95		48-143	15		30
2,6-Dinitrotoluene	ND	20	22	110		18	90		40-140	20		30
4-Chlorophenyl phenyl ether	ND	20	22	110		19	95		40-140	15		30
4-Bromophenyl phenyl ether	ND	20	22	110		19	95		40-140	15		30
Bis(2-chloroisopropyl)ether	ND	20	24	120		18	90		40-140	29		30
Bis(2-chloroethoxy)methane	ND	20	24	120		22	110		40-140	9		30
Hexachlorocyclopentadiene	ND	20	10.J	50		9.3J	47		40-140	7		30
Isophorone	ND	20	21	110		18	90		40-140	15		30
Nitrobenzene	ND	20	22	110		19	95		40-140	15		30
NDPA/DPA	ND	20	24	120		16	80		40-140	**40**	Q	30
n-Nitrosodi-n-propylamine	ND	20	22	110		20	100		29-132	10		30
Bis(2-ethylhexyl)phthalate	2.6J	20	26	130		24	120		40-140	8		30
Butyl benzyl phthalate	ND	20	24	120		22	110		40-140	9		30
Di-n-butylphthalate	ND	20	27	140		24	120		40-140	12		30
Di-n-octylphthalate	ND	20	25	130		22	110		40-140	13		30
Diethyl phthalate	ND	20	24	120		21	110		40-140	13		30
Dimethyl phthalate	ND	20	24	120		20	100		40-140	18		30
Biphenyl	ND	20	22	110		18	90		40-140	20		30
4-Chloroaniline	ND	20	19	95		15	75		40-140	24		30
2-Nitroaniline	ND	20	22	110		18	90		52-143	20		30
3-Nitroaniline	ND	20	23	120		21	110		25-145	9		30
4-Nitroaniline	ND	20	26	130		22	110		51-143	17		30

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG2037072-4 WG2037072-5 QC Sample: L2511944-06 Client ID: MW-1SR												
Dibenzofuran	ND	20	23	120		19	95		40-140	19		30
1,2,4,5-Tetrachlorobenzene	ND	20	19	95		16	80		2-134	17		30
Acetophenone	ND	20	26	**130**	Q	22	110		39-129	17		30
2,4,6-Trichlorophenol	ND	20	22	110		13	65		30-130	**51**	Q	30
p-Chloro-m-cresol	ND	20	24	**120**	Q	18	90		23-97	29		30
2-Chlorophenol	ND	20	21	110		14	70		27-123	**40**	Q	30
2,4-Dichlorophenol	ND	20	22	110		14	70		30-130	**44**	Q	30
2,4-Dimethylphenol	ND	20	15	75		10	50		30-130	**40**	Q	30
2-Nitrophenol	ND	20	21	110		13	65		30-130	**47**	Q	30
4-Nitrophenol	ND	20	15	75		9.0J	45		10-80	**50**	Q	30
2,4-Dinitrophenol	ND	20	15.J	75		7.3J	37		20-130	**69**	Q	30
4,6-Dinitro-o-cresol	ND	20	19	95		13	65		20-164	**38**	Q	30
Phenol	ND	20	12	60		8.8	44		12-110	**31**	Q	30
2-Methylphenol	ND	20	19	95		14	70		30-130	30		30
3-Methylphenol/4-Methylphenol	ND	20	21	110		15	75		30-130	**33**	Q	30
2,4,5-Trichlorophenol	ND	20	24	120		14	70		30-130	**53**	Q	30
Carbazole	ND	20	24	120		22	110		55-144	9		30
Atrazine	ND	20	30	**150**	Q	26	130		40-140	14		30
Benzaldehyde	ND	20	24	120		21	110		40-140	13		30
Caprolactam	ND	20	12	60		12	60		10-130	0		30

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG2037072-4 WG2037072-5 QC Sample: L2511944-06 Client ID: MW-1SR

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	111		61		10-120
2-Fluorobiphenyl	104		88		15-120
2-Fluorophenol	72		44		21-120
4-Terphenyl-d14	108		97		41-149
Nitrobenzene-d5	100		89		23-120
Phenol-d6	55		38		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG2037073-4 WG2037073-5 QC Sample: L2511944-06 Client ID: MW-1SR												
Acenaphthene	ND	20	20	100		18	90		40-140	11		40
2-Chloronaphthalene	ND	20	18	90		16	80		40-140	12		40
Fluoranthene	ND	20	23	120		21	110		40-140	9		40
Hexachlorobutadiene	ND	20	13	65		11	55		40-140	17		40
Naphthalene	ND	20	18	90		15	75		40-140	18		40
Benzo(a)anthracene	ND	20	24	120		22	110		40-140	9		40
Benzo(a)pyrene	ND	20	25	130		23	120		40-140	8		40
Benzo(b)fluoranthene	ND	20	24	120		22	110		40-140	9		40
Benzo(k)fluoranthene	ND	20	23	120		22	110		40-140	4		40
Chrysene	ND	20	22	110		21	110		40-140	5		40
Acenaphthylene	ND	20	21	110		19	95		40-140	10		40
Anthracene	ND	20	23	120		20	100		40-140	14		40
Benzo(ghi)perylene	ND	20	31	**160**	Q	28	140		40-140	10		40
Fluorene	ND	20	22	110		20	100		40-140	10		40
Phenanthrene	ND	20	22	110		20	100		40-140	10		40
Dibenzo(a,h)anthracene	ND	20	31	**160**	Q	29	**150**	Q	40-140	7		40
Indeno(1,2,3-cd)pyrene	ND	20	31	**160**	Q	29	**150**	Q	40-140	7		40
Pyrene	ND	20	23	120		20	100		40-140	14		40
2-Methylnaphthalene	ND	20	16	80		14	70		40-140	13		40
Pentachlorophenol	ND	20	22	110		11	55		40-140	**67**	Q	40
Hexachlorobenzene	ND	20	21	110		18	90		40-140	15		40
Hexachloroethane	ND	20	15	75		13	65		40-140	14		40
Bis(2-chloroethyl)ether	ND	20	21	110		19	95		40-140	10		40

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG2037073-4 WG2037073-5 QC Sample: L2511944-06 Client ID: MW-1SR

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	**127**	Q	76		10-120
2-Fluorobiphenyl	87		80		15-120
2-Fluorophenol	79		51		21-120
4-Terphenyl-d14	100		91		41-149
Nitrobenzene-d5	102		92		23-120
Phenol-d6	63		47		10-120

METALS

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-01 Date Collected: 03/04/25 08:30

Client ID: MW-11S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0942	J	mg/l	0.100	0.0318	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Barium, Total	0.0283		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Calcium, Total	31.5		mg/l	0.100	0.0350	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Chromium, Total	0.0026	J	mg/l	0.0100	0.0021	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Copper, Total	0.0025	J	mg/l	0.0100	0.0022	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Iron, Total	0.181		mg/l	0.0500	0.0090	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Magnesium, Total	9.90		mg/l	0.100	0.0153	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Manganese, Total	0.0172		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 10:59	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Potassium, Total	1.05	J	mg/l	2.50	0.237	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Sodium, Total	4.48		mg/l	2.00	0.120	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Zinc, Total	0.0027	J	mg/l	0.0050	0.0021	1	03/10/25 10:53	03/10/25 23:58	EPA 3005A	19,200.7	TAA
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Barium, Dissolved	0.0264		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-01 Date Collected: 03/04/25 08:30

Client ID: MW-11S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Calcium, Dissolved	26.8		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Iron, Dissolved	0.0092	J	mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Magnesium, Dissolved	9.45		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:38	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Potassium, Dissolved	1.13	J	mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Sodium, Dissolved	4.03		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 22:36	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-02 Date Collected: 03/04/25 15:40

Client ID: MW-10S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.976		mg/l	0.100	0.0318	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Barium, Total	0.0510		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Calcium, Total	9.48		mg/l	0.100	0.0350	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Chromium, Total	0.0031	J	mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Copper, Total	0.0042	J	mg/l	0.0100	0.0022	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Iron, Total	1.62		mg/l	0.0500	0.0090	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Magnesium, Total	3.44		mg/l	0.100	0.0153	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Manganese, Total	0.142		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 11:32	EPA 245.1	3,245.1	JWN
Nickel, Total	0.0024	J	mg/l	0.0250	0.0024	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Potassium, Total	1.18	J	mg/l	2.50	0.237	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Sodium, Total	4.77		mg/l	2.00	0.120	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Vanadium, Total	0.0030	J	mg/l	0.0100	0.0020	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Zinc, Total	0.0049	J	mg/l	0.0050	0.0021	1	03/10/25 10:53	03/11/25 00:04	EPA 3005A	19,200.7	TAA
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Barium, Dissolved	0.0420		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-02 Date Collected: 03/04/25 15:40

Client ID: MW-10S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Calcium, Dissolved	7.99		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Magnesium, Dissolved	3.08		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Manganese, Dissolved	0.0060	J	mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:41	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Potassium, Dissolved	1.14	J	mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Sodium, Dissolved	4.42		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 22:42	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-03 Date Collected: 03/04/25 15:20

Client ID: MW-10D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.275		mg/l	0.100	0.0318	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Barium, Total	0.0065	J	mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Calcium, Total	22.8		mg/l	0.100	0.0350	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Chromium, Total	0.0022	J	mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Iron, Total	0.447		mg/l	0.0500	0.0090	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Magnesium, Total	2.55		mg/l	0.100	0.0153	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Manganese, Total	0.0421		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 11:35	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Potassium, Total	0.787	J	mg/l	2.50	0.237	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Sodium, Total	6.55		mg/l	2.00	0.120	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/10/25 10:53	03/11/25 00:11	EPA 3005A	19,200.7	TAA
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Barium, Dissolved	0.0051	J	mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-03 Date Collected: 03/04/25 15:20

Client ID: MW-10D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Calcium, Dissolved	18.7		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Iron, Dissolved	0.0552		mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Magnesium, Dissolved	2.33		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Manganese, Dissolved	0.0306		mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:44	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Potassium, Dissolved	0.861	J	mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Sodium, Dissolved	6.01		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 22:47	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-04 Date Collected: 03/04/25 13:55

Client ID: MW-13S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.316		mg/l	0.100	0.0318	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Barium, Total	0.0864		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Calcium, Total	105.		mg/l	0.100	0.0350	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Copper, Total	0.0028	J	mg/l	0.0100	0.0022	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Iron, Total	0.697		mg/l	0.0500	0.0090	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Magnesium, Total	19.8		mg/l	0.100	0.0153	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Manganese, Total	0.0704		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 11:39	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Potassium, Total	2.72		mg/l	2.50	0.237	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Sodium, Total	4.14		mg/l	2.00	0.120	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Zinc, Total	0.0091		mg/l	0.0050	0.0021	1	03/10/25 10:53	03/11/25 00:37	EPA 3005A	19,200.7	TAA
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Barium, Dissolved	0.0791		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-04 Date Collected: 03/04/25 13:55

Client ID: MW-13S Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Calcium, Dissolved	86.8		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Magnesium, Dissolved	19.5		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Manganese, Dissolved	0.0031	J	mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:48	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Potassium, Dissolved	2.74		mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Sodium, Dissolved	3.85		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL
Zinc, Dissolved	0.0069		mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 23:02	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-05 Date Collected: 03/04/25 13:22

Client ID: MW-13D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Barium, Total	0.0257		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Calcium, Total	12.1		mg/l	0.100	0.0350	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Chromium, Total	0.0024	J	mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Iron, Total	0.0307	J	mg/l	0.0500	0.0090	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Magnesium, Total	5.23		mg/l	0.100	0.0153	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 11:42	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Potassium, Total	0.944	J	mg/l	2.50	0.237	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Sodium, Total	15.6		mg/l	2.00	0.120	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/10/25 10:53	03/11/25 00:43	EPA 3005A	19,200.7	TAA
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Barium, Dissolved	0.0256		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-05 Date Collected: 03/04/25 13:22

Client ID: MW-13D Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Calcium, Dissolved	10.6		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Magnesium, Dissolved	5.08		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:51	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Potassium, Dissolved	1.11	J	mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Sodium, Dissolved	14.6		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 23:07	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-06 Date Collected: 03/04/25 10:57

Client ID: MW-1SR Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Barium, Total	0.0249		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Calcium, Total	22.8		mg/l	0.100	0.0350	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Iron, Total	0.0139	J	mg/l	0.0500	0.0090	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Magnesium, Total	5.18		mg/l	0.100	0.0153	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 11:09	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Potassium, Total	2.04	J	mg/l	2.50	0.237	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Sodium, Total	6.72		mg/l	2.00	0.120	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/10/25 10:53	03/10/25 22:07	EPA 3005A	19,200.7	TAA
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Barium, Dissolved	0.0242		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-06 Date Collected: 03/04/25 10:57

Client ID: MW-1SR Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Calcium, Dissolved	19.2		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Magnesium, Dissolved	4.92		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Mercury, Dissolved	0.00024		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:18	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Potassium, Dissolved	2.15	J	mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Sodium, Dissolved	6.20		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 22:11	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-07 Date Collected: 03/04/25 10:05

Client ID: MW-1DR2 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Barium, Total	0.0221		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Calcium, Total	11.3		mg/l	0.100	0.0350	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Cobalt, Total	0.0020	J	mg/l	0.0200	0.0017	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Iron, Total	2.77		mg/l	0.0500	0.0090	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Magnesium, Total	4.73		mg/l	0.100	0.0153	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Manganese, Total	0.0397		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 11:45	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Potassium, Total	0.800	J	mg/l	2.50	0.237	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Sodium, Total	8.99		mg/l	2.00	0.120	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Zinc, Total	0.0043	J	mg/l	0.0050	0.0021	1	03/10/25 10:53	03/11/25 00:50	EPA 3005A	19,200.7	TAA
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Barium, Dissolved	0.0222		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-07 Date Collected: 03/04/25 10:05

Client ID: MW-1DR2 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Calcium, Dissolved	9.90		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Cobalt, Dissolved	0.0018	J	mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Iron, Dissolved	1.93		mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Magnesium, Dissolved	4.64		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Manganese, Dissolved	0.0332		mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:54	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Potassium, Dissolved	0.972	J	mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Sodium, Dissolved	8.50		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL
Zinc, Dissolved	0.0041	J	mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 23:12	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-08 Date Collected: 03/04/25 12:00

Client ID: DUP_03042025 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Barium, Total	0.0245		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Calcium, Total	22.4		mg/l	0.100	0.0350	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Iron, Total	0.0154	J	mg/l	0.0500	0.0090	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Magnesium, Total	5.13		mg/l	0.100	0.0153	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 11:49	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Potassium, Total	2.01	J	mg/l	2.50	0.237	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Sodium, Total	6.68		mg/l	2.00	0.120	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/10/25 10:53	03/11/25 00:57	EPA 3005A	19,200.7	TAA
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Barium, Dissolved	0.0242		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-08 Date Collected: 03/04/25 12:00

Client ID: DUP_03042025 Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Calcium, Dissolved	19.0		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Magnesium, Dissolved	4.95		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:58	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Potassium, Dissolved	2.15	J	mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Sodium, Dissolved	6.43		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 23:18	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-09 Date Collected: 03/04/25 15:30

Client ID: EQUIPMENT BLANK Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Equipment Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Barium, Total	ND		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Calcium, Total	ND		mg/l	0.100	0.0350	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Iron, Total	0.119		mg/l	0.0500	0.0090	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Magnesium, Total	ND		mg/l	0.100	0.0153	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 11:52	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Potassium, Total	ND		mg/l	2.50	0.237	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Sodium, Total	ND		mg/l	2.00	0.120	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/10/25 10:53	03/11/25 00:30	EPA 3005A	19,200.7	TAA
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Barium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-09 Date Collected: 03/04/25 15:30

Client ID: EQUIPMENT BLANK Date Received: 03/04/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Equipment Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Calcium, Dissolved	ND		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Magnesium, Dissolved	ND		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 14:01	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Sodium, Dissolved	ND		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 23:23	EPA 3005A	19,200.7	DHL

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG2036992-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/05/25 20:57	03/06/25 10:52	3,245.1	JWN

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-09 Batch: WG2037773-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/07/25 13:41	03/09/25 13:11	3,245.1	CME

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG2038522-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Barium, Total	ND		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Calcium, Total	ND		mg/l	0.100	0.0350	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Iron, Total	ND		mg/l	0.0500	0.0090	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Magnesium, Total	ND		mg/l	0.100	0.0153	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

Method Blank Analysis
Batch Quality Control

Potassium, Total	ND	mg/l	2.50	0.237	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Selenium, Total	ND	mg/l	0.0100	0.0035	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Silver, Total	ND	mg/l	0.0070	0.0028	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Sodium, Total	ND	mg/l	2.00	0.120	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Thallium, Total	ND	mg/l	0.0200	0.0025	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Vanadium, Total	ND	mg/l	0.0100	0.0020	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA
Zinc, Total	ND	mg/l	0.0050	0.0021	1	03/10/25 10:53	03/10/25 21:54	19,200.7	TAA

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-09 Batch: WG2038531-1										
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Barium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Calcium, Dissolved	ND		mg/l	0.100	0.0350	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Magnesium, Dissolved	ND		mg/l	0.100	0.0153	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Sodium, Dissolved	ND		mg/l	2.00	0.120	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/10/25 13:31	03/10/25 22:01	19,200.7	DHL

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2036992-2								
Mercury, Total	95		-		85-115	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2037773-2								
Mercury, Dissolved	99		-		85-115	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2038522-2					
Aluminum, Total	106	-	85-115	-	
Antimony, Total	93	-	85-115	-	
Arsenic, Total	91	-	85-115	-	
Barium, Total	100	-	85-115	-	
Beryllium, Total	104	-	85-115	-	
Cadmium, Total	96	-	85-115	-	
Calcium, Total	106	-	85-115	-	
Chromium, Total	99	-	85-115	-	
Cobalt, Total	94	-	85-115	-	
Copper, Total	102	-	85-115	-	
Iron, Total	108	-	85-115	-	
Lead, Total	99	-	85-115	-	
Magnesium, Total	103	-	85-115	-	
Manganese, Total	106	-	85-115	-	
Nickel, Total	97	-	85-115	-	
Potassium, Total	104	-	85-115	-	
Selenium, Total	89	-	85-115	-	
Silver, Total	103	-	85-115	-	
Sodium, Total	107	-	85-115	-	
Thallium, Total	92	-	85-115	-	
Vanadium, Total	95	-	85-115	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2038522-2					
Zinc, Total	95	-	85-115	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2038531-2					
Aluminum, Dissolved	104	-	85-115	-	
Antimony, Dissolved	97	-	85-115	-	
Arsenic, Dissolved	92	-	85-115	-	
Barium, Dissolved	100	-	85-115	-	
Beryllium, Dissolved	99	-	85-115	-	
Cadmium, Dissolved	102	-	85-115	-	
Calcium, Dissolved	96	-	85-115	-	
Chromium, Dissolved	98	-	85-115	-	
Cobalt, Dissolved	98	-	85-115	-	
Copper, Dissolved	100	-	85-115	-	
Iron, Dissolved	100	-	85-115	-	
Lead, Dissolved	96	-	85-115	-	
Magnesium, Dissolved	101	-	85-115	-	
Manganese, Dissolved	99	-	85-115	-	
Nickel, Dissolved	97	-	85-115	-	
Potassium, Dissolved	104	-	85-115	-	
Selenium, Dissolved	90	-	85-115	-	
Silver, Dissolved	95	-	85-115	-	
Sodium, Dissolved	103	-	85-115	-	
Thallium, Dissolved	86	-	85-115	-	
Vanadium, Dissolved	97	-	85-115	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2038531-2					
Zinc, Dissolved	100	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2036992-3 QC Sample: L2511944-01 Client ID: MW-11S												
Mercury, Total	ND	0.005	0.00461	92		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2036992-5 WG2036992-6 QC Sample: L2511944-06 Client ID: MW-1SR												
Mercury, Total	ND	0.005	0.00448	90		0.00462	92		70-130	3		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2037773-3 WG2037773-4 QC Sample: L2511944-06 Client ID: MW-1SR												
Mercury, Dissolved	0.00024	0.005	0.00489	93		0.00498	95		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038522-3 WG2038522-4 QC Sample: L2511944-06 Client ID: MW-1SR											
Aluminum, Total	ND	2	2.19	110		2.17	108		75-125	1	20
Antimony, Total	ND	0.5	0.487	97		0.485	97		75-125	0	20
Arsenic, Total	ND	0.12	0.115	96		0.114	95		75-125	1	20
Barium, Total	0.0249	2	2.08	103		2.02	100		75-125	3	20
Beryllium, Total	ND	0.05	0.0537	107		0.0531	106		75-125	1	20
Cadmium, Total	ND	0.053	0.0526	99		0.0520	98		75-125	1	20
Calcium, Total	22.8	10	32.7	99		32.4	96		75-125	1	20
Chromium, Total	ND	0.2	0.203	102		0.202	101		75-125	0	20
Cobalt, Total	ND	0.5	0.485	97		0.480	96		75-125	1	20
Copper, Total	ND	0.25	0.265	106		0.261	104		75-125	2	20
Iron, Total	0.0139J	1	1.11	111		1.10	110		75-125	1	20
Lead, Total	ND	0.53	0.541	102		0.537	101		75-125	1	20
Magnesium, Total	5.18	10	15.7	105		15.6	104		75-125	1	20
Manganese, Total	ND	0.5	0.543	109		0.535	107		75-125	1	20
Nickel, Total	ND	0.5	0.501	100		0.497	99		75-125	1	20
Potassium, Total	2.04J	10	13.0	**130**	Q	12.6	**126**	Q	75-125	3	20
Selenium, Total	ND	0.12	0.114	95		0.114	95		75-125	0	20
Silver, Total	ND	0.05	0.0539	108		0.0534	107		75-125	1	20
Sodium, Total	6.72	10	17.8	111		17.6	109		75-125	1	20
Thallium, Total	ND	0.12	0.114	95		0.113	94		75-125	1	20
Vanadium, Total	ND	0.5	0.491	98		0.487	97		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038522-3 WG2038522-4 QC Sample: L2511944-06 Client ID: MW-1SR									
Zinc, Total	ND	0.5	0.488	98	0.482	96	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038522-5 QC Sample: L2511627-01 Client ID: MS Sample										
Aluminum, Total	ND	2	2.21	110		-	-	75-125	-	20
Antimony, Total	ND	0.5	0.501	100		-	-	75-125	-	20
Arsenic, Total	0.002J	0.12	0.122	102		-	-	75-125	-	20
Barium, Total	0.038	2	2.09	102		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0536	107		-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.0532	100		-	-	75-125	-	20
Calcium, Total	30.9	10	41.4	105		-	-	75-125	-	20
Chromium, Total	ND	0.2	0.196	98		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.490	98		-	-	75-125	-	20
Copper, Total	0.008J	0.25	0.270	108		-	-	75-125	-	20
Iron, Total	0.101	1	1.18	108		-	-	75-125	-	20
Lead, Total	ND	0.53	0.540	102		-	-	75-125	-	20
Magnesium, Total	10.7	10	20.6	99		-	-	75-125	-	20
Manganese, Total	0.196	0.5	0.731	107		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.505	101		-	-	75-125	-	20
Potassium, Total	18.7	10	30.2	115		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.117	98		-	-	75-125	-	20
Silver, Total	ND	0.05	0.0525	105		-	-	75-125	-	20
Sodium, Total	161	10	176	**150**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.112	93		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.510	102		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038522-5 QC Sample: L2511627-01 Client ID: MS Sample									
Zinc, Total	0.036	0.5	0.531	99	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038531-3 WG2038531-4 QC Sample: L2511944-06 Client ID: MW-1SR										
Aluminum, Dissolved	ND	2	2.07	104	2.07	104		75-125	0	20
Antimony, Dissolved	ND	0.5	0.490	98	0.492	98		75-125	0	20
Arsenic, Dissolved	ND	0.12	0.111	92	0.114	95		75-125	3	20
Barium, Dissolved	0.0242	2	2.00	99	2.00	99		75-125	0	20
Beryllium, Dissolved	ND	0.05	0.0492	98	0.0490	98		75-125	0	20
Cadmium, Dissolved	ND	0.053	0.0537	101	0.0538	102		75-125	0	20
Calcium, Dissolved	19.2	10	28.8	96	29.1	99		75-125	1	20
Chromium, Dissolved	ND	0.2	0.192	96	0.195	98		75-125	2	20
Cobalt, Dissolved	ND	0.5	0.493	99	0.490	98		75-125	1	20
Copper, Dissolved	ND	0.25	0.250	100	0.250	100		75-125	0	20
Iron, Dissolved	ND	1	0.993	99	1.01	101		75-125	2	20
Lead, Dissolved	ND	0.53	0.513	97	0.522	98		75-125	2	20
Magnesium, Dissolved	4.92	10	14.9	100	15.1	102		75-125	1	20
Manganese, Dissolved	ND	0.5	0.489	98	0.490	98		75-125	0	20
Nickel, Dissolved	ND	0.5	0.487	97	0.484	97		75-125	1	20
Potassium, Dissolved	2.15J	10	12.5	125	12.7	**127**	Q	75-125	2	20
Selenium, Dissolved	ND	0.12	0.112	93	0.116	97		75-125	4	20
Silver, Dissolved	ND	0.05	0.0472	94	0.0471	94		75-125	0	20
Sodium, Dissolved	6.20	10	16.4	102	16.6	104		75-125	1	20
Thallium, Dissolved	ND	0.12	0.108	90	0.109	91		75-125	1	20
Vanadium, Dissolved	ND	0.5	0.480	96	0.477	95		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038531-3 WG2038531-4 QC Sample: L2511944-06 Client ID: MW-1SR									
Zinc, Dissolved	ND	0.5	0.500	100	0.497	99	75-125	1	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2036992-4 QC Sample: L2511944-01 Client ID: MW-11S						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038522-6 QC Sample: L2511627-01 Client ID: DUP Sample						
Lead, Total	ND	ND	mg/l	NC		20

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038531-6 QC Sample: L2511944-06 Client ID: MW-1SR						
Calcium, Dissolved	19.2	19.6	mg/l	2		20
Magnesium, Dissolved	4.92	4.88	mg/l	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-01
Client ID: MW-11S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water
Date Collected: 03/04/25 08:30
Date Received: 03/04/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:00	121,2320B	MKT
Alkalinity, Bicarbonate	97.6		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:00	121,2320B	MKT
Solids, Total Dissolved	100		mg/l	13	4.0	1.3	-	03/06/25 03:39	121,2540C	DEW
Solids, Total Suspended	160		mg/l	5.5	NA	1.1	-	03/05/25 20:46	121,2540D	REM
Chloride	4.2		mg/l	1.0	0.89	1	-	03/06/25 13:51	121,4500CL-E	JER
Fluoride	0.03	J	mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 04:33	121,4500NO3-F	KAF
Nitrogen, Nitrate	0.372		mg/l	0.100	0.022	1	-	03/06/25 04:33	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	0.37		mg/l	0.10	0.046	1	-	03/06/25 04:33	121,4500NO3-F	KAF
Total Nitrogen	0.37		mg/l	0.30	0.30	1	-	03/11/25 13:39	107,-	JRO
Nitrogen, Total Kjeldahl	0.131	J	mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:42	4,351.1	AT
Phosphate, Total	0.043		mg/l	0.031	0.012	1	03/06/25 07:10	03/06/25 10:49	121,4500P-E(M)	EYA
Sulfate	7.9	J	mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.029	J	mg/l	0.050	0.013	1	-	03/08/25 13:05	44,300.0	CVN

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-02
Client ID: MW-10S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water
Date Collected: 03/04/25 15:40
Date Received: 03/04/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:03	121,2320B	MKT
Alkalinity, Bicarbonate	24.3		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:03	121,2320B	MKT
Solids, Total Dissolved	54.		mg/l	13	4.0	1.3	-	03/06/25 03:39	121,2540C	DEW
Solids, Total Suspended	50.		mg/l	5.0	NA	1	-	03/05/25 20:46	121,2540D	REM
Chloride	7.3		mg/l	1.0	0.89	1	-	03/06/25 13:13	121,4500CL-E	JER
Fluoride	0.02	J	mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 04:34	121,4500NO3-F	KAF
Nitrogen, Nitrate	1.22		mg/l	0.100	0.022	1	-	03/06/25 04:34	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	1.2		mg/l	0.10	0.046	1	-	03/06/25 04:34	121,4500NO3-F	KAF
Total Nitrogen	1.2		mg/l	0.30	0.30	1	-	03/11/25 13:39	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:43	4,351.1	AT
Phosphate, Total	0.635		mg/l	0.031	0.012	1	03/10/25 06:18	03/10/25 13:16	121,4500P-E(M)	EYA
Sulfate	4.5	J	mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.025	J	mg/l	0.050	0.013	1	-	03/08/25 13:17	44,300.0	CVN

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-03
Client ID: MW-10D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water
Date Collected: 03/04/25 15:20
Date Received: 03/04/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:05	121,2320B	MKT
Alkalinity, Bicarbonate	42.3		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:05	121,2320B	MKT
Solids, Total Dissolved	100		mg/l	13	4.0	1.3	-	03/06/25 03:39	121,2540C	DEW
Solids, Total Suspended	23.		mg/l	5.0	NA	1	-	03/05/25 20:46	121,2540D	REM
Chloride	7.2		mg/l	1.0	0.89	1	-	03/06/25 13:14	121,4500CL-E	JER
Fluoride	0.07	J	mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 04:35	121,4500NO3-F	KAF
Nitrogen, Nitrate	0.048	J	mg/l	0.100	0.022	1	-	03/06/25 04:35	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	0.048	J	mg/l	0.10	0.046	1	-	03/06/25 04:35	121,4500NO3-F	KAF
Total Nitrogen	ND		mg/l	0.30	0.30	1	-	03/11/25 13:39	107,-	JRO
Nitrogen, Total Kjeldahl	0.084	J	mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:44	4,351.1	AT
Phosphate, Total	0.141		mg/l	0.031	0.012	1	03/10/25 06:18	03/10/25 13:19	121,4500P-E(M)	EYA
Sulfate	21.		mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.042	J	mg/l	0.050	0.013	1	-	03/08/25 13:29	44,300.0	CVN

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-04
Client ID: MW-13S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/04/25 13:55
Date Received: 03/04/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:07	121,2320B	MKT
Alkalinity, Bicarbonate	251.		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:07	121,2320B	MKT
Solids, Total Dissolved	320		mg/l	13	4.0	1.3	-	03/06/25 03:39	121,2540C	DEW
Solids, Total Suspended	210		mg/l	5.0	NA	1	-	03/05/25 20:46	121,2540D	REM
Chloride	3.7		mg/l	1.0	0.89	1	-	03/06/25 13:16	121,4500CL-E	JER
Fluoride	0.05	J	mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 04:36	121,4500NO3-F	KAF
Nitrogen, Nitrate	5.22		mg/l	0.100	0.022	1	-	03/06/25 04:36	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	5.2		mg/l	0.10	0.046	1	-	03/06/25 04:36	121,4500NO3-F	KAF
Total Nitrogen	5.2		mg/l	0.30	0.30	1	-	03/11/25 13:39	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:44	4,351.1	AT
Phosphate, Total	0.175		mg/l	0.031	0.012	1	03/10/25 06:18	03/10/25 13:22	121,4500P-E(M)	EYA
Sulfate	40.		mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.028	J	mg/l	0.050	0.013	1	-	03/08/25 13:41	44,300.0	CVN

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-05
Client ID: MW-13D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/04/25 13:22
Date Received: 03/04/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:14	121,2320B	MKT
Alkalinity, Bicarbonate	20.3		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:14	121,2320B	MKT
Solids, Total Dissolved	94.		mg/l	13	4.0	1.3	-	03/06/25 03:39	121,2540C	DEW
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/05/25 20:46	121,2540D	REM
Chloride	26.		mg/l	1.0	0.89	1	-	03/06/25 13:17	121,4500CL-E	JER
Fluoride	0.03	J	mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 04:38	121,4500NO3-F	KAF
Nitrogen, Nitrate	2.45		mg/l	0.100	0.022	1	-	03/06/25 04:38	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	2.4		mg/l	0.10	0.046	1	-	03/06/25 04:38	121,4500NO3-F	KAF
Total Nitrogen	2.4		mg/l	0.30	0.30	1	-	03/11/25 13:39	107,-	JRO
Nitrogen, Total Kjeldahl	0.069	J	mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:50	4,351.1	AT
Phosphate, Total	0.025	J	mg/l	0.031	0.012	1	03/06/25 07:10	03/06/25 10:55	121,4500P-E(M)	EYA
Sulfate	11.		mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.035	J	mg/l	0.050	0.013	1	-	03/08/25 13:53	44,300.0	CVN

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-06
Client ID: MW-1SR
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/04/25 10:57
Date Received: 03/04/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:15	121,2320B	MKT
Alkalinity, Bicarbonate	57.9		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:15	121,2320B	MKT
Solids, Total Dissolved	100		mg/l	13	4.0	1.3	-	03/06/25 03:39	121,2540C	DEW
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/05/25 20:46	121,2540D	REM
Chloride	9.0		mg/l	1.0	0.89	1	-	03/06/25 13:17	121,4500CL-E	JER
Fluoride	0.08	J	mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 04:39	121,4500NO3-F	KAF
Nitrogen, Nitrate	0.860		mg/l	0.100	0.022	1	-	03/06/25 04:39	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	0.86		mg/l	0.10	0.046	1	-	03/06/25 04:39	121,4500NO3-F	KAF
Total Nitrogen	0.86		mg/l	0.30	0.30	1	-	03/11/25 13:39	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:51	4,351.1	AT
Phosphate, Total	0.034		mg/l	0.031	0.012	1	03/06/25 07:10	03/06/25 10:56	121,4500P-E(M)	EYA
Sulfate	9.1	J	mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.013	1	-	03/08/25 14:05	44,300.0	CVN

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-07
Client ID: MW-1DR2
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/04/25 10:05
Date Received: 03/04/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:20	121,2320B	MKT
Alkalinity, Bicarbonate	31.1		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:20	121,2320B	MKT
Solids, Total Dissolved	75.		mg/l	13	4.0	1.3	-	03/06/25 03:39	121,2540C	DEW
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/05/25 20:46	121,2540D	REM
Chloride	9.9		mg/l	1.0	0.89	1	-	03/06/25 13:20	121,4500CL-E	JER
Fluoride	0.04	J	mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 04:48	121,4500NO3-F	KAF
Nitrogen, Nitrate	1.59		mg/l	0.100	0.022	1	-	03/06/25 04:48	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	1.6		mg/l	0.10	0.046	1	-	03/06/25 04:48	121,4500NO3-F	KAF
Total Nitrogen	1.6		mg/l	0.30	0.30	1	-	03/11/25 13:39	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:54	4,351.1	AT
Phosphate, Total	0.022	J	mg/l	0.031	0.012	1	03/06/25 07:10	03/06/25 10:58	121,4500P-E(M)	EYA
Sulfate	15.		mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.059		mg/l	0.050	0.013	1	-	03/08/25 14:54	44,300.0	CVN

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-08
Client ID: DUP_03042025
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/04/25 12:00
Date Received: 03/04/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:22	121,2320B	MKT
Alkalinity, Bicarbonate	59.4		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:22	121,2320B	MKT
Solids, Total Dissolved	89.		mg/l	13	4.0	1.3	-	03/06/25 03:39	121,2540C	DEW
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/05/25 20:46	121,2540D	REM
Chloride	9.0		mg/l	1.0	0.89	1	-	03/06/25 13:20	121,4500CL-E	JER
Fluoride	0.08	J	mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 04:49	121,4500NO3-F	KAF
Nitrogen, Nitrate	0.863		mg/l	0.100	0.022	1	-	03/06/25 04:49	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	0.86		mg/l	0.10	0.046	1	-	03/06/25 04:49	121,4500NO3-F	KAF
Total Nitrogen	0.86		mg/l	0.30	0.30	1	-	03/11/25 13:39	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:55	4,351.1	AT
Phosphate, Total	0.037		mg/l	0.031	0.012	1	03/06/25 07:10	03/06/25 10:59	121,4500P-E(M)	EYA
Sulfate	9.5	J	mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.013	1	-	03/08/25 15:06	44,300.0	CVN

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2511944
Report Date: 04/11/25

SAMPLE RESULTS

Lab ID: L2511944-09
Client ID: EQUIPMENT BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Equipment Blank

Date Collected: 03/04/25 15:30
Date Received: 03/04/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:25	121,2320B	MKT
Alkalinity, Bicarbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:25	121,2320B	MKT
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	03/06/25 03:39	121,2540C	DEW
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/05/25 20:46	121,2540D	REM
Chloride	ND		mg/l	1.0	0.89	1	-	03/06/25 13:21	121,4500CL-E	JER
Fluoride	ND		mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 04:50	121,4500NO3-F	KAF
Nitrogen, Nitrate	ND		mg/l	0.100	0.022	1	-	03/06/25 04:50	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	03/06/25 04:50	121,4500NO3-F	KAF
Total Nitrogen	ND		mg/l	0.30	0.30	1	-	03/11/25 13:39	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/06/25 14:15	03/06/25 19:56	4,351.1	AT
Phosphate, Total	0.012	J	mg/l	0.031	0.012	1	03/06/25 07:10	03/06/25 11:00	121,4500P-E(M)	EYA
Sulfate	2.0	J	mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.013	1	-	03/08/25 15:18	44,300.0	CVN

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,05-09 Batch: WG2037041-1										
Phosphate, Total	0.012	J	mg/l	0.031	0.012	1	03/06/25 07:10	03/06/25 10:43	121,4500P-E(M)	EYA
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037128-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/05/25 20:46	121,2540D	REM
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037143-1										
Fluoride	ND		mg/l	0.20	0.01	1	03/06/25 00:59	03/06/25 05:13	121,4500F-BC	DTH
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037149-1										
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/06/25 03:50	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037157-1										
Nitrogen, Nitrate	ND		mg/l	0.100	0.022	1	-	03/06/25 03:55	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037158-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	03/06/25 03:55	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037180-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	03/06/25 03:39	121,2540C	DEW
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037321-1										
Nitrogen, Total Kjeldahl	0.130	J	mg/l	0.300	0.022	1	03/06/25 14:15	03/06/25 19:38	4,351.1	AT
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037359-1										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:37	121,2320B	MKT
Alkalinity, Bicarbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/06/25 11:37	121,2320B	MKT
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037387-1										
Chloride	ND		mg/l	1.0	0.89	1	-	03/06/25 13:00	121,4500CL-E	JER
General Chemistry - Westborough Lab for sample(s): 02-04 Batch: WG2037673-1										
Phosphate, Total	0.015	J	mg/l	0.031	0.012	1	03/10/25 06:18	03/10/25 13:07	121,4500P-E(M)	EYA
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-09 Batch: WG2038111-1										
Bromide	ND		mg/l	0.050	0.013	1	-	03/08/25 10:28	44,300.0	CVN
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2038583-1										
Sulfate	2.0	J	mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,05-09 Batch: WG2037041-2								
Phosphate, Total	101		-		84-118	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037128-2								
Solids, Total Suspended	84		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037143-2								
Fluoride	87		-		78-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037149-2								
Nitrogen, Nitrite	93		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037157-2								
Nitrogen, Nitrate	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037158-2								
Nitrogen, Nitrate/Nitrite	100		-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037180-2								
Solids, Total Dissolved	96		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037321-2					
Nitrogen, Total Kjeldahl	98	-	78-122	-	
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037387-2					
Chloride	97	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 02-04 Batch: WG2037673-2					
Phosphate, Total	108	-	84-118	-	
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-09 Batch: WG2038111-2					
Bromide	92	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2038583-2					
Sulfate	100	-	90-110	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,05-09 QC Batch ID: WG2037041-4 QC Sample: L2511944-06 Client ID: MW-1SR												
Phosphate, Total	0.034	1.53	1.63	104		-	-		80-120	-		15
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037143-4 QC Sample: L2511944-06 Client ID: MW-1SR												
Fluoride	0.08J	1	0.94	94		-	-		69-124	-		13
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037149-4 QC Sample: L2511944-06 Client ID: MW-1SR												
Nitrogen, Nitrite	ND	4	3.93	98		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037157-4 QC Sample: L2511944-06 Client ID: MW-1SR												
Nitrogen, Nitrate	0.860	4	4.78	98		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037158-4 QC Sample: L2511944-06 Client ID: MW-1SR												
Nitrogen, Nitrate/Nitrite	0.86	4	4.8	98		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037321-4 QC Sample: L2511944-06 Client ID: MW-1SR												
Nitrogen, Total Kjeldahl	ND	8	9.06	**113**	Q	-	-		77-111	-		24
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037387-4 QC Sample: L2511944-06 Client ID: MW-1SR												
Chloride	9.0	20	28	95		-	-		58-140	-		7
General Chemistry - Westborough Lab Associated sample(s): 02-04 QC Batch ID: WG2037673-4 QC Sample: L2511944-03 Client ID: MW-10D												
Phosphate, Total	0.141	1.53	1.81	109		-	-		80-120	-		15
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038111-3 WG2038111-4 QC Sample: L2511944-06 Client ID: MW-1SR												
Bromide	ND	0.4	0.329	**82**	Q	0.329	**82**	Q	90-110	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038583-4 QC Sample: L2511944-06 Client ID: MW-1SR									
Sulfate	9.1J	40	56	140	-	-	55-147	-	14

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,05-09 QC Batch ID: WG2037041-3 QC Sample: L2511944-06 Client ID: MW-1SR						
Phosphate, Total	0.034	0.037	mg/l	8		15
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037128-3 QC Sample: L2511944-06 Client ID: MW-1SR						
Solids, Total Suspended	ND	ND	mg/l	NC		32
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037143-3 QC Sample: L2511944-06 Client ID: MW-1SR						
Fluoride	0.08J	0.08J	mg/l	NC		13
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037149-3 QC Sample: L2511944-06 Client ID: MW-1SR						
Nitrogen, Nitrite	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037157-3 QC Sample: L2511944-06 Client ID: MW-1SR						
Nitrogen, Nitrate	0.860	0.856	mg/l	0		17
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037158-3 QC Sample: L2511944-06 Client ID: MW-1SR						
Nitrogen, Nitrate/Nitrite	0.86	0.86	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037180-3 QC Sample: L2511944-06 Client ID: MW-1SR						
Solids, Total Dissolved	100	110	mg/l	10		10
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037180-4 QC Sample: L2511944-07 Client ID: MW-1DR2						
Solids, Total Dissolved	75.	75	mg/l	0		10
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037321-3 QC Sample: L2511944-06 Client ID: MW-1SR						
Nitrogen, Total Kjeldahl	ND	0.333	mg/l	NC		24

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037359-3 QC Sample: L2511944-06 Client ID: MW-1SR					
Alkalinity, Carbonate	ND	ND	mg CaCO3/L	NC	10
Alkalinity, Bicarbonate	57.9	58.2	mg CaCO3/L	1	9
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037387-3 QC Sample: L2511944-06 Client ID: MW-1SR					
Chloride	9.0	8.9	mg/l	1	7
General Chemistry - Westborough Lab Associated sample(s): 02-04 QC Batch ID: WG2037673-3 QC Sample: L2511944-03 Client ID: MW-10D					
Phosphate, Total	0.141	0.135	mg/l	4	15
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038583-3 QC Sample: L2511944-06 Client ID: MW-1SR					
Sulfate	9.1J	9.8J	mg/l	NC	14

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent
F	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2511944-01A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-01B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-01C	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-01D	Amber 100ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-01E	Amber 100ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-01F	Plastic 250ml unpreserved	B	7	7	2.2	Y	Absent		SUB-IODIDE(7)
L2511944-01G	Plastic 250ml unpreserved/No Headspace	B	NA		2.2	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-01H	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		FE-RI(180),ZN-RI(180),BE-RI(180),SE-RI(180),K-RI(180),AL-RI(180),MG-RI(180),MN-RI(180),TL-RI(180),CO-RI(180),SB-RI(180),CU-RI(180),CA-RI(180),BA-RI(180),AG-RI(180),NI-RI(180),HG-R(28),CR-RI(180),NA-RI(180),CD-RI(180),AS-RI(180),PB-RI(180),V-RI(180)
L2511944-01J	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		SB-UI(180),NI-UI(180),BA-UI(180),ZN-UI(180),CA-UI(180),AG-UI(180),K-UI(180),CO-UI(180),FE-UI(180),SE-UI(180),MG-UI(180),HG-U(28),CD-UI(180),NA-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),AL-UI(180),TL-UI(180),AS-UI(180),PB-UI(180),CU-UI(180),V-UI(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2511944-01K	Plastic 500ml H2SO4 preserved	B	<2	<2	2.2	Y	Absent		SUB-AMMONIUM(28)
L2511944-01L	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		TSS-2540(7)
L2511944-01M	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2511944-01N	Amber 950ml H2SO4 preserved	B	<2	<2	2.2	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511944-02A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-02B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-02C	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-02D	Amber 100ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-02E	Amber 100ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-02F	Plastic 250ml unpreserved	C	7	7	2.0	Y	Absent		SUB-IODIDE(7)
L2511944-02G	Plastic 250ml unpreserved/No Headspace	C	NA		2.0	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-02H	Plastic 250ml HNO3 preserved	C	<2	<2	2.0	Y	Absent		FE-RI(180),ZN-RI(180),BE-RI(180),SE-RI(180),K-RI(180),AL-RI(180),MG-RI(180),MN-RI(180),TL-RI(180),CO-RI(180),CU-RI(180),SB-RI(180),CA-RI(180),BA-RI(180),HG-R(28),CR-RI(180),NI-RI(180),AG-RI(180),CD-RI(180),PB-RI(180),AS-RI(180),NA-RI(180),V-RI(180)
L2511944-02J	Plastic 250ml HNO3 preserved	C	<2	<2	2.0	Y	Absent		BA-UI(180),SB-UI(180),NI-UI(180),ZN-UI(180),CA-UI(180),AG-UI(180),K-UI(180),CO-UI(180),FE-UI(180),SE-UI(180),MG-UI(180),HG-U(28),CD-UI(180),BE-UI(180),NA-UI(180),MN-UI(180),CR-UI(180),AL-UI(180),PB-UI(180),TL-UI(180),V-UI(180),CU-UI(180),AS-UI(180)
L2511944-02K	Plastic 500ml H2SO4 preserved	C	<2	<2	2.0	Y	Absent		SUB-AMMONIUM(28)
L2511944-02L	Plastic 950ml unpreserved	C	7	7	2.0	Y	Absent		TSS-2540(7)
L2511944-02M	Plastic 950ml unpreserved	C	7	7	2.0	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2511944-02N	Amber 950ml H2SO4 preserved	C	<2	<2	2.0	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2511944-02O	Plastic 950ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		SUB-ISOTOPIC-URANIUM(180)
L2511944-02P	Plastic 950ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		SUB-RA226(180)
L2511944-02Q	Plastic 950ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		SUB-RA228(180)
L2511944-02R	Plastic 950ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		SUB-THORIUM(180)
L2511944-03A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-03B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-03C	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-03D	Amber 100ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-03E	Amber 100ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-03F	Plastic 250ml unpreserved	C	7	7	2.0	Y	Absent		SUB-IODIDE(7)
L2511944-03G	Plastic 250ml unpreserved/No Headspace	C	NA		2.0	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-03H	Plastic 250ml HNO3 preserved	C	<2	<2	2.0	Y	Absent		FE-RI(180),ZN-RI(180),K-RI(180),SE-RI(180),BE-RI(180),AL-RI(180),MG-RI(180),TL-RI(180),MN-RI(180),SB-RI(180),CO-RI(180),CU-RI(180),BA-RI(180),CA-RI(180),NI-RI(180),AG-RI(180),CR-RI(180),HG-R(28),NA-RI(180),PB-RI(180),V-RI(180),AS-RI(180),CD-RI(180)
L2511944-03J	Plastic 250ml HNO3 preserved	C	<2	<2	2.0	Y	Absent		SB-UI(180),NI-UI(180),BA-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),MG-UI(180),FE-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),NA-UI(180),CR-UI(180),MN-UI(180),AS-UI(180),TL-UI(180),CU-UI(180),PB-UI(180),V-UI(180)
L2511944-03K	Plastic 500ml H2SO4 preserved	C	<2	<2	2.0	Y	Absent		SUB-AMMONIUM(28)
L2511944-03L	Plastic 950ml unpreserved	C	7	7	2.0	Y	Absent		TSS-2540(7)
L2511944-03M	Plastic 950ml unpreserved	C	7	7	2.0	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2511944-03N	Amber 950ml H2SO4 preserved	C	<2	<2	2.0	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511944-04A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2511944-04B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-04C	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-04D	Amber 100ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-04E	Amber 100ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-04F	Plastic 250ml unpreserved	D	7	7	2.7	Y	Absent		SUB-IODIDE(7)
L2511944-04G	Plastic 250ml unpreserved/No Headspace	D	NA		2.7	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-04H	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		ZN-RI(180),FE-RI(180),SE-RI(180),BE-RI(180),K-RI(180),AL-RI(180),MG-RI(180),TL-RI(180),MN-RI(180),CO-RI(180),CU-RI(180),SB-RI(180),CA-RI(180),BA-RI(180),AG-RI(180),NI-RI(180),HG-R(28),CR-RI(180),CD-RI(180),V-RI(180),PB-RI(180),AS-RI(180),NA-RI(180)
L2511944-04J	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		NI-UI(180),BA-UI(180),SB-UI(180),ZN-UI(180),CA-UI(180),AG-UI(180),CO-UI(180),K-UI(180),FE-UI(180),SE-UI(180),MG-UI(180),HG-U(28),CD-UI(180),BE-UI(180),MN-UI(180),NA-UI(180),AL-UI(180),CR-UI(180),PB-UI(180),AS-UI(180),CU-UI(180),TL-UI(180),V-UI(180)
L2511944-04K	Plastic 500ml H2SO4 preserved	D	<2	<2	2.7	Y	Absent		SUB-AMMONIUM(28)
L2511944-04L	Plastic 950ml unpreserved	D	7	7	2.7	Y	Absent		TSS-2540(7)
L2511944-04M	Plastic 950ml unpreserved	D	7	7	2.7	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2511944-04N	Amber 950ml H2SO4 preserved	D	<2	<2	2.7	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511944-05A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-05B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-05C	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-05D	Amber 100ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-05E	Amber 100ml unpreserved	D	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

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L2511944-05F	Plastic 250ml unpreserved	D	7	7	2.7	Y	Absent		SUB-IODIDE(7)
L2511944-05G	Plastic 250ml unpreserved/No Headspace	D	NA		2.7	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-05H	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		FE-RI(180),ZN-RI(180),K-RI(180),SE-RI(180),BE-RI(180),MG-RI(180),AL-RI(180),MN-RI(180),TL-RI(180),CO-RI(180),SB-RI(180),CU-RI(180),CA-RI(180),BA-RI(180),NI-RI(180),AG-RI(180),CR-RI(180),HG-R(28),V-RI(180),AS-RI(180),CD-RI(180),NA-RI(180),PB-RI(180)
L2511944-05J	Plastic 250ml HNO3 preserved	D	<2	<2	2.7	Y	Absent		BA-UI(180),SB-UI(180),NI-UI(180),CA-UI(180),ZN-UI(180),AG-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),NA-UI(180),BE-UI(180),MN-UI(180),AL-UI(180),TL-UI(180),AS-UI(180),CU-UI(180),V-UI(180),PB-UI(180)
L2511944-05K	Plastic 500ml H2SO4 preserved	D	<2	<2	2.7	Y	Absent		SUB-AMMONIUM(28)
L2511944-05L	Plastic 950ml unpreserved	D	7	7	2.7	Y	Absent		TSS-2540(7)
L2511944-05M	Plastic 950ml unpreserved	D	7	7	2.7	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2511944-05N	Amber 950ml H2SO4 preserved	D	<2	<2	2.7	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511944-06A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-06A1	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-06A2	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-06B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-06B1	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-06B2	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-06C	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-06C1	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-06C2	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-06D	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2511944-06D1	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-06D2	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-06E	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-06E1	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-06E2	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-06F	Plastic 250ml unpreserved	A	7	7	2.3	Y	Absent		SUB-IODIDE(7)
L2511944-06F1	Plastic 250ml unpreserved	A	7	7	2.3	Y	Absent		SUB-IODIDE(7)
L2511944-06F2	Plastic 250ml unpreserved	A	7	7	2.3	Y	Absent		SUB-IODIDE(7)
L2511944-06G	Plastic 250ml unpreserved/No Headspace	A	NA		2.3	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-06G1	Plastic 250ml unpreserved/No Headspace	A	NA		2.3	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-06G2	Plastic 250ml unpreserved/No Headspace	A	NA		2.3	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-06H	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		FE-RI(180),ZN-RI(180),K-RI(180),BE-RI(180),SE-RI(180),AL-RI(180),MG-RI(180),MN-RI(180),TL-RI(180),CO-RI(180),SB-RI(180),CU-RI(180),BA-RI(180),CA-RI(180),CR-RI(180),AG-RI(180),HG-R(28),NI-RI(180),AS-RI(180),CD-RI(180),NA-RI(180),V-RI(180),PB-RI(180)
L2511944-06H1	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		FE-RI(180),ZN-RI(180),K-RI(180),BE-RI(180),SE-RI(180),AL-RI(180),MG-RI(180),MN-RI(180),TL-RI(180),CO-RI(180),SB-RI(180),CU-RI(180),BA-RI(180),CA-RI(180),CR-RI(180),AG-RI(180),HG-R(28),NI-RI(180),AS-RI(180),CD-RI(180),NA-RI(180),V-RI(180),PB-RI(180)
L2511944-06H2	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		FE-RI(180),ZN-RI(180),K-RI(180),BE-RI(180),SE-RI(180),AL-RI(180),MG-RI(180),MN-RI(180),TL-RI(180),CO-RI(180),SB-RI(180),CU-RI(180),BA-RI(180),CA-RI(180),CR-RI(180),AG-RI(180),HG-R(28),NI-RI(180),AS-RI(180),CD-RI(180),NA-RI(180),V-RI(180),PB-RI(180)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2511944-06J	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		SB-UI(180),NI-UI(180),BA-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),MG-UI(180),SE-UI(180),FE-UI(180),HG-U(28),CD-UI(180),MN-UI(180),BE-UI(180),CR-UI(180),AL-UI(180),NA-UI(180),PB-UI(180),V-UI(180),TL-UI(180),AS-UI(180),CU-UI(180)
L2511944-06J1	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		SB-UI(180),NI-UI(180),BA-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),MG-UI(180),SE-UI(180),FE-UI(180),HG-U(28),CD-UI(180),MN-UI(180),BE-UI(180),CR-UI(180),AL-UI(180),NA-UI(180),PB-UI(180),V-UI(180),TL-UI(180),AS-UI(180),CU-UI(180)
L2511944-06J2	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		SB-UI(180),NI-UI(180),BA-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),MG-UI(180),SE-UI(180),FE-UI(180),HG-U(28),CD-UI(180),MN-UI(180),BE-UI(180),CR-UI(180),AL-UI(180),NA-UI(180),PB-UI(180),V-UI(180),TL-UI(180),AS-UI(180),CU-UI(180)
L2511944-06K	Plastic 500ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		SUB-AMMONIUM(28)
L2511944-06K1	Plastic 500ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		SUB-AMMONIUM(28)
L2511944-06K2	Plastic 500ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		SUB-AMMONIUM(28)
L2511944-06L	Plastic 950ml unpreserved	A	7	7	2.3	Y	Absent		TSS-2540(7)
L2511944-06L1	Plastic 950ml unpreserved	A	7	7	2.3	Y	Absent		TSS-2540(7)
L2511944-06L2	Plastic 950ml unpreserved	A	7	7	2.3	Y	Absent		TSS-2540(7)
L2511944-06M	Plastic 950ml unpreserved	A	7	7	2.3	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2511944-06M1	Plastic 950ml unpreserved	A	7	7	2.3	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2511944-06M2	Plastic 950ml unpreserved	A	7	7	2.3	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2511944-06N	Amber 950ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)

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L2511944-06N1	Amber 950ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511944-06N2	Amber 950ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511944-07A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-07B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-07C	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-07D	Amber 100ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-07E	Amber 100ml unpreserved	B	7	7	2.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-07F	Plastic 250ml unpreserved	B	7	7	2.2	Y	Absent		SUB-IODIDE(7)
L2511944-07G	Plastic 250ml unpreserved/No Headspace	B	NA		2.2	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-07H	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		FE-RI(180),ZN-RI(180),BE-RI(180),K-RI(180),SE-RI(180),MG-RI(180),AL-RI(180),TL-RI(180),MN-RI(180),CU-RI(180),SB-RI(180),CO-RI(180),BA-RI(180),CA-RI(180),NI-RI(180),CR-RI(180),AG-RI(180),HG-R(28),PB-RI(180),NA-RI(180),AS-RI(180),CD-RI(180),V-RI(180)
L2511944-07J	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		BA-UI(180),SB-UI(180),NI-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),MG-UI(180),SE-UI(180),FE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),NA-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),V-UI(180),TL-UI(180),AS-UI(180),CU-UI(180),PB-UI(180)
L2511944-07K	Plastic 500ml H2SO4 preserved	B	<2	<2	2.2	Y	Absent		SUB-AMMONIUM(28)
L2511944-07L	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		TSS-2540(7)
L2511944-07M	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2511944-07N	Amber 950ml H2SO4 preserved	B	<2	<2	2.2	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511944-08A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-08B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2511944-08C	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-08D	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-08E	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-08F	Plastic 250ml unpreserved	A	7	7	2.3	Y	Absent		SUB-IODIDE(7)
L2511944-08G	Plastic 250ml unpreserved/No Headspace	A	NA		2.3	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-08H	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		FE-RI(180),ZN-RI(180),SE-RI(180),BE-RI(180),K-RI(180),AL-RI(180),MG-RI(180),TL-RI(180),MN-RI(180),CO-RI(180),CU-RI(180),SB-RI(180),CA-RI(180),BA-RI(180),NI-RI(180),AG-RI(180),CR-RI(180),HG-R(28),NA-RI(180),V-RI(180),CD-RI(180),PB-RI(180),AS-RI(180)
L2511944-08J	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),SE-UI(180),MG-UI(180),HG-U(28),CD-UI(180),CR-UI(180),NA-UI(180),AL-UI(180),MN-UI(180),BE-UI(180),PB-UI(180),TL-UI(180),AS-UI(180),CU-UI(180),V-UI(180)
L2511944-08K	Plastic 500ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		SUB-AMMONIUM(28)
L2511944-08L	Plastic 950ml unpreserved	A	7	7	2.3	Y	Absent		TSS-2540(7)
L2511944-08M	Plastic 950ml unpreserved	A	7	7	2.3	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2511944-08N	Amber 950ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511944-09A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-09B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-09C	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-09D	Amber 100ml unpreserved	F	7	7	2.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-09E	Amber 100ml unpreserved	F	7	7	2.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2511944-09F	Plastic 250ml unpreserved	F	7	7	2.2	Y	Absent		SUB-IODIDE(7)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 04/11/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2511944-09G	Plastic 250ml unpreserved/No Headspace	F	NA		2.2	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2511944-09H	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		ZN-RI(180),FE-RI(180),BE-RI(180),SE-RI(180),K-RI(180),MG-RI(180),AL-RI(180),MN-RI(180),TL-RI(180),CO-RI(180),SB-RI(180),CU-RI(180),BA-RI(180),CA-RI(180),CR-RI(180),NI-RI(180),HG-R(28),AG-RI(180),CD-RI(180),V-RI(180),AS-RI(180),PB-RI(180),NA-RI(180)
L2511944-09J	Plastic 250ml HNO3 preserved	F	<2	<2	2.2	Y	Absent		NI-UI(180),BA-UI(180),SB-UI(180),ZN-UI(180),CA-UI(180),AG-UI(180),CO-UI(180),K-UI(180),FE-UI(180),SE-UI(180),MG-UI(180),HG-U(28),CD-UI(180),MN-UI(180),CR-UI(180),AL-UI(180),NA-UI(180),BE-UI(180),CU-UI(180),TL-UI(180),V-UI(180),PB-UI(180),AS-UI(180)
L2511944-09K	Plastic 500ml H2SO4 preserved	F	<2	<2	2.2	Y	Absent		SUB-AMMONIUM(28)
L2511944-09L	Plastic 950ml unpreserved	F	7	7	2.2	Y	Absent		TSS-2540(7)
L2511944-09M	Plastic 950ml unpreserved	F	7	7	2.2	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2511944-09N	Amber 950ml H2SO4 preserved	F	<2	<2	2.2	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2511944-09O	Plastic 950ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		SUB-ISOTOPIC-URANIUM(180)
L2511944-09P	Plastic 950ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		SUB-RA226(180)
L2511944-09Q	Plastic 950ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		SUB-RA228(180)
L2511944-09R	Plastic 950ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		SUB-THORIUM(180)
L2511944-10A	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)
L2511944-10B	Vial HCl preserved	F	NA		2.2	Y	Absent		NYTCL-8260(14)

Container Comments

L2511944-09L	Correct time
L2511944-09M	Correct time

*Values in parentheses indicate holding time in days

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511944
Project Number:	2232.0006Y005	**Report Date:**	04/11/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511944
Project Number:	2232.0006Y005	**Report Date:**	04/11/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORAM MATERIALS	**Lab Number:**	L2511944
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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CORAM MATERIALS **Lab Number:** L2511944

Project Number: 2232.0006Y005 **Report Date:** 04/11/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

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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 3/5/25

L2511944
ROUX – NY

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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

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	TDS-2540/TSS-2540	Cl-4500/ Br-300	NO3-4500	NO2-4500	TOTALNITROGEN(tkn 35	Sample Specific Comments	Total Bottles
11944-01	MW-11S	3/4/25	830	AQ	BW	X	X	X	X	X	X	X	X		15
-02	MW-10S	3/4/25	1540		AI	X	X	X	X	X	X	X	X		15
-03	MW-10D	3/4/25	1520		BW	X	X	X	X	X	X	X	X		15
-04	MW-13S	3/4/25	1355		AI	X	X	X	X	X	X	X	X		15
-05	MW-13D	3/4/25	1322		BW	X	X	X	X	X	X	X	X		15
-06	MW-15R	3/4/25	1057		BW	X	X	X	X	✓	✓	X	X		15
-07	MW-10R2	3/4/25	1005		AI	X	X	X	X	X	X	X	X		15
-08	DUP_03042025	3/4/25	1200	✓	AI	X	X	X	X	X	X	X	X		15
-09	Equipment blank	3/4/25	1530	✓	AI	X	X	X	X	X	X	X	X		15
-10	Trip blank	3/4/25	—		—	X									2

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

Container Type	V	A	P	A	P	A	A	A
Preservative	B	A	C	A	A	D	D	D

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
[signature]	3/4/2025 1610	SSMR	3-4-25 1610
SSMR	3-4-25 1935	Anthony Green	MAR 04 2025 0045
Anthony Green		[signature]	3/5/25 0145
[signature]	3/5/25 0145	[signature]	3/5/25 0145

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

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 3

Date Rec'd in Lab: 3/5/25

ALPHA Job #: L2511944

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.00006
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB IODIDE send from WB to PACE INDY/ SUB AMMONIUM send from WB to Galbraith Laboratories

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SO4-4500	Alk-HCO3-2320	Alk-CO3-2320	F-4500	TPO4-4500	SUB-IODIDE	SUB-AMMONIUM	Sample Specific Comments	Total Bottles
11944-01	MW-11S	3/4/2025	8:30	AQ	BW	X	X	X	X	X	X	X		15
-02	MW-10S	3/4/2025	15:40	AQ	AI	X	X	X	X	X	X	X		15
-03	MW-10D	3/4/2025	15:20	AQ	BW	X	X	X	X	X	X	X		15
-04	MW-13S	3/4/2025	1355	AQ	AI	X	X	X	X	X	X	X		15
-05	MW-13D	3/4/2025	1322	AQ	BW	X	X	X	X	X	X	X		15
-06	MW-15R	3/4/2025	10:57	AQ	BW	X	X	X	X	X	X	X		15
-07	MW-10R2	3/4/2025	10:05	AQ	AI	X	X	X	X	X	X	X		15
-08	DUP-030420 25	3/4/2025	1200	AQ	AI	X	X	X	X	X	X	X		15
-09	Equipment blank	3/4/2025	1530	AQ	AI	X	X	X	X	X	X	X		15
-10	TRIP blank	3/4/2025	—	AQ	—									2

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

Container Type	P	P	P	P	A	P	P	
Preservative	A	A	A	A	D	A	D	

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
[signature]	3/4/2025 1800	SSmz	3-4-25 1630
SSmz	3-4-25 1935	Anthony Green	MAR 04 2025 2015
Anthony Green		[signature]	3/5/25 0140
[signature]	3/5/25 0140	[signature]	3/5/25 0105

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 LABORATORIES

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

Page 1 of 1

Date Rec'd in Lab 3/5/25

ALPHA Job # L2511944

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

Project Information
Project Name: CORAM MATERIALS
Project Location: 416 Miller Place/Yaphank Rd
Project # 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB Uranium/Thorium/RA226/RA228 Send to PACE Greensburg

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	Sub-Uranium: HASL 300	Sub-Thorium: HASL 300	Sub-Ra228: 904.0	Sub-RA226: 903.1	Sample Specific Comments	Total Bottle
11944-02	MW-10S	3/4/2025	1540	AQ	AI	X	X	X	X		4
-09	Equipment blank	3/4/2025	1530	AQ	AI	X	X	X	X		4
Container Type						P	P	P	P		
Preservative						C	C	C	C		

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
[signature]	3/4/2025 1620	SSmz	3.4.25 1630
SSmz	3.4.25 1935	Anthony Green	MAR 04 2025 2345
Anthony Green		[signature]	3/5/25 0140
[signature]	3/5/25 0140	[signature]	3/5/25 0905

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
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 3 of 3

Date Rec'd in Lab

ALPHA Job #

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

Project Information
Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-SULFIDE	Total Bottle
	MW-11S	3/4	8:30	AQ	DW	X	15
	MW-10S	3/4	13:40		AI	X	15
	MW-10D	3/4	15:20		BW	X	15
	MW-13S	3/4	1355		AI	X	15
	MW-13D	3/4	1322		BW	X	15
	MW-15R		1057		BW	X	15
	MW-DR2		1003		AI	X	15
	DUP-03042025		1203		AI	X	15
	Equipment blank		1530		AI	X	15
	Trip blank		-				2

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

Container Type: P
Preservative: C

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
	3/4/2025 1630	SSnL	3.4.25 1630

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)

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

April 02, 2025

Jennifer Byrnes

,

RE: Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 04, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

REVISION #1: Report re-issued on 04/02/2025 to update sample ID 007 per client request

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

Sincerely,



Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Alpha Analytical

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

SAMPLE SUMMARY

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70340999001	**MW-11S**	Water	03/04/25 08:30	03/04/25 17:28
70340999002	**MW-10S**	Water	03/04/25 15:40	03/04/25 17:28
70340999003	**MW-10D**	Water	03/04/25 15:20	03/04/25 17:28
70340999004	**MW-13S**	Water	03/04/25 13:55	03/04/25 17:28
70340999005	**MW-13D**	Water	03/04/25 13:22	03/04/25 17:28
70340999006	**MW-1SR**	Water	03/04/25 10:57	03/04/25 17:28
70340999007	**MW-1DR2**	Water	03/04/25 10:05	03/04/25 17:28
70340999008	**DUP_03042025**	Water	03/04/25 12:00	03/04/25 17:28
70340999009	**EQUIPMENT BLANK**	Water	03/04/25 15:30	03/04/25 17:28

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Melville, NY 11747
516-370-6000

SAMPLE ANALYTE COUNT

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70340999001	**MW-11S**	SM22 4500-S2 F	JWM	1
70340999002	**MW-10S**	SM22 4500-S2 F	JWM	1
70340999003	**MW-10D**	SM22 4500-S2 F	JWM	1
70340999004	**MW-13S**	SM22 4500-S2 F	JWM	1
70340999005	**MW-13D**	SM22 4500-S2 F	JWM	1
70340999006	**MW-1SR**	SM22 4500-S2 F	JWM	1
70340999007	**MW-1DR2**	SM22 4500-S2 F	JWM	1
70340999008	**DUP_03042025**	SM22 4500-S2 F	JWM	1
70340999009	**EQUIPMENT BLANK**	SM22 4500-S2 F	JWM	1

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Method: **SM22 4500-S2 F**
Description: 4500S2F W Sulfide Iodometric
Client: Alpha Analytical
Date: April 02, 2025

General Information:
9 samples were analyzed for SM22 4500-S2 F by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

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

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

Additional Comments:

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

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-11S **Lab ID: 70340999001** Collected: 03/04/25 08:30 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/06/25 15:55		

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-10S **Lab ID: 70340999002** Collected: 03/04/25 15:40 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/06/25 15:57		

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-10D **Lab ID: 70340999003** Collected: 03/04/25 15:20 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/06/25 16:01		

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-13S **Lab ID: 70340999004** Collected: 03/04/25 13:55 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/06/25 16:05		

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-13D **Lab ID: 70340999005** Collected: 03/04/25 13:22 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/07/25 14:43		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-1SR **Lab ID: 70340999006** Collected: 03/04/25 10:57 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/07/25 14:46		

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-1DR2 **Lab ID: 70340999007** Collected: 03/04/25 10:05 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/07/25 14:49		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: DUP_03042025 **Lab ID: 70340999008** Collected: 03/04/25 12:00 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/07/25 14:52		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: EQUIPMENT BLANK **Lab ID: 70340999009** Collected: 03/04/25 15:30 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/07/25 14:55		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

QC Batch: 388010 | Analysis Method: SM22 4500-S2 F
QC Batch Method: SM22 4500-S2 F | Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70340999001, 70340999002, 70340999003, 70340999004

METHOD BLANK: 2038608 Matrix: Water
Associated Lab Samples: 70340999001, 70340999002, 70340999003, 70340999004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	03/06/25 15:46	

LABORATORY CONTROL SAMPLE & LCSD: 2038609 2039383

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

QC Batch: 388262
QC Batch Method: SM22 4500-S2 F
Analysis Method: SM22 4500-S2 F
Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70340999005, 70340999006, 70340999007, 70340999008, 70340999009

METHOD BLANK: 2040226 Matrix: Water
Associated Lab Samples: 70340999005, 70340999006, 70340999007, 70340999008, 70340999009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	03/07/25 14:38	

LABORATORY CONTROL SAMPLE & LCSD: 2040227 2040228

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALIFIERS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70340999001	**MW-11S**	SM22 4500-S2 F	388010		
70340999002	**MW-10S**	SM22 4500-S2 F	388010		
70340999003	**MW-10D**	SM22 4500-S2 F	388010		
70340999004	**MW-13S**	SM22 4500-S2 F	388010		
70340999005	**MW-13D**	SM22 4500-S2 F	388262		
70340999006	**MW-1SR**	SM22 4500-S2 F	388262		
70340999007	**MW-1DR2**	SM22 4500-S2 F	388262		
70340999008	**DUP_03042025**	SM22 4500-S2 F	388262		
70340999009	**EQUIPMENT BLANK**	SM22 4500-S2 F	388262		

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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: 508-822-9288

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

ALPHA Job #

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:

Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS

SUB-SULFIDE

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

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-SULFIDE	Sample Specific Comments	Total Bottles
	MW-11S	3/4	8:30	AQ	BW	X		15
	MW-10S	3/4	15:40		AT	X		15
	MW-10D	3/4	15:20		BW	X		15
	MW-13S	3/4	1355		AT	X		15
	MW-13D	3/4	1322		BW	X		15
	MW-15R		1057		BW	X		15
	MW-10R2		1003		AT	X		15
	DUP_03042025		1200		AT	X		15
	Equipment blank		1530		AT	X		15
	Trip blank		-		-			2

WO# : 70340999
70340999

Container Type: P
Preservative: C

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
[signature]	3/4/2025 1650	SSnz	3-4-25 1650
SSnz	3-4-25 1728	Collected by PACE	3/4/25 1728

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.

Serial_No:04112514:07

DC#_Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70340999
PM: BDR Due Date: 03/14/25
CLIENT: ALPHA

Client Name: ALPHA Project #

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐Yes ☑No Seals intact: ☐ Yes ☑ No Temperature Blank Present: ☐ Yes ☑ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: ☑ Wet ☐ Blue ☐ None

Thermometer Used: TH211 Correction Factor: +0.2 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 3.4 Cooler Temperature Corrected(°C): 3.6 Date/Time 5035A kits placed in freezer _____
Temp should be above freezing to 6 °C

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

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: AEB 3/5/25

				COMMENTS:
Chain of Custody Present	☑Yes	☐No		1
Chain of Custody Filled Out	☐Yes	☑No		2. Tripple Volume recieved for Sample ID(MW-15R)
Chain of Custody Relinquished	☑Yes	☐No		3
Sampler Name & Signature on COC	☑Yes	☐No	☐N/A	4
Samples Arrived within Hold Time	☑Yes	☐No		5
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6
Rush Turn Around Time Requested:	☐Yes	☑No		7
Sufficient Volume (Triple volume provided for MS/MSD)	☑Yes	☐No		8
Correct Containers Used: -Pace Containers Used	☑Yes ☑Yes	☐No ☐No		9
Containers Intact	☑Yes	☐No		10
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11 Note if sediment is visible in the dissolved container
Sample Labels match COC -Includes date/time/ID/Analysis Matrix SL WT OIL OTHER	☑Yes	☐No		12

Date and Initials of person checking preservation: AEB 3/5/25

All containers needing preservation have been checked. pH paper Lot # 231224	☑Yes	☐No	☑N/A	13 ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed / Lot # of added preservative / Date/Time preservative added
Samples checked for dechlorination KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14 Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15 Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16
Trip Blank Present	☐Yes	☐No	☑N/A	17
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2511944

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2511944 Report to include Method and/or Regulatory required batch QC

Additional Comments: REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller",needs NYSDEC Equis EDD

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2511944-01	MW-11S	03-04-25 08:30	WATER	Sulfide			0
	L2511944-02	MW-10S	03-04-25 15:40	WATER	Sulfide			0
	L2511944-03	MW-10D	03-04-25 15:20	WATER	Sulfide			0
	L2511944-04	MW-13S	03-04-25 13:55	WATER	Sulfide			0
	L2511944-05	MW-13D	03-04-25 13:22	WATER	Sulfide			0
	L2511944-06	MW-1SR	03-04-25 10:57	WATER	Sulfide			0
	L2511944-07	MW-10R2	03-04-25 10:05	WATER	Sulfide			0
	L2511944-08	DUP_03042025	03-04-25 12:00	WATER	Sulfide			0
	L2511944-09	EQUIPMENT BLANK	03-04-25 15:30	Equipment Blank	Sulfide			0

	Relinquished By:	Date/Time:	Received By:	Date/Time:
Form No: AL_subcoc				

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

April 01, 2025

Jennifer Byrnes
Pace MA
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2511944
Pace Project No.: 50395450

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 06, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Indianapolis

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace MA

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: L2511944
Pace Project No.: 50395450

Pace Analytical Services Indianapolis
7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
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SAMPLE SUMMARY

Project: L2511944
Pace Project No.: 50395450

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50395450001	**MW-11S**	Water	03/04/25 08:30	03/06/25 08:30
50395450002	**MW-10S**	Water	03/04/25 15:40	03/06/25 08:30
50395450003	**MW-10D**	Water	03/04/25 15:20	03/06/25 08:30
50395450004	**MW-13S**	Water	03/04/25 13:55	03/06/25 08:30
50395450005	**MW-13D**	Water	03/04/25 13:22	03/06/25 08:30
50395450006	**MW-1SR**	Water	03/04/25 10:57	03/06/25 08:30
50395450007	**MW-1DR2**	Water	03/04/25 10:05	03/06/25 08:30
50395450008	**DUP_03042025**	Water	03/04/25 00:00	03/06/25 08:30
50395450009	**EQUIPMENT BLANK**	Water	03/04/25 15:30	03/06/25 08:30

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SAMPLE ANALYTE COUNT

Project: L2511944
Pace Project No.: 50395450

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50395450001	**MW-11S**	EPA 9056	GLT	1
50395450002	**MW-10S**	EPA 9056	GLT	1
50395450003	**MW-10D**	EPA 9056	GLT	1
50395450004	**MW-13S**	EPA 9056	GLT	1
50395450005	**MW-13D**	EPA 9056	GLT	1
50395450006	**MW-1SR**	EPA 9056	GLT	1
50395450007	**MW-1DR2**	EPA 9056	GLT	1
50395450008	**DUP_03042025**	EPA 9056	GLT	1
50395450009	**EQUIPMENT BLANK**	EPA 9056	GLT	1

PASI-I = Pace Analytical Services - Indianapolis

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Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-11S **Lab ID: 50395450001** Collected: 03/04/25 08:30 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 04:29		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-10S **Lab ID: 50395450002** Collected: 03/04/25 15:40 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 04:47		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-10D **Lab ID: 50395450003** Collected: 03/04/25 15:20 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 05:05		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-13S **Lab ID: 50395450004** Collected: 03/04/25 13:55 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 06:00		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-13D **Lab ID: 50395450005** Collected: 03/04/25 13:22 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 06:18		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-1SR **Lab ID: 50395450006** Collected: 03/04/25 10:57 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 06:37		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-1DR2 **Lab ID: 50395450007** Collected: 03/04/25 10:05 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 07:32		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: DUP_03042025 **Lab ID: 50395450008** Collected: 03/04/25 00:00 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 07:50		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: EQUIPMENT BLANK **Lab ID: 50395450009** Collected: 03/04/25 15:30 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 08:08		

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QUALITY CONTROL DATA

Project: L2511944
Pace Project No.: 50395450

QC Batch: 833375 — Analysis Method: EPA 9056
QC Batch Method: EPA 9056 — Analysis Description: 9056 Iodide by IC
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50395450001, 50395450002, 50395450003, 50395450004, 50395450005, 50395450006, 50395450007, 50395450008, 50395450009

METHOD BLANK: 3812919 — Matrix: Water
Associated Lab Samples: 50395450001, 50395450002, 50395450003, 50395450004, 50395450005, 50395450006, 50395450007, 50395450008, 50395450009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	03/08/25 03:52	

LABORATORY CONTROL SAMPLE: 3812920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.6	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3812921 3812922

Parameter	Units	50395450006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	4.6	4.6	92	92	80-120	0	15	

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

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Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: L2511944
Pace Project No.: 50395450

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2511944
Pace Project No.: 50395450

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50395450001	**MW-11S**	EPA 9056	833375		
50395450002	**MW-10S**	EPA 9056	833375		
50395450003	**MW-10D**	EPA 9056	833375		
50395450004	**MW-13S**	EPA 9056	833375		
50395450005	**MW-13D**	EPA 9056	833375		
50395450006	**MW-1SR**	EPA 9056	833375		
50395450007	**MW-1DR2**	EPA 9056	833375		
50395450008	**DUP_03042025**	EPA 9056	833375		
50395450009	**EQUIPMENT BLANK**	EPA 9056	833375		

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Pace

Subcontract Chain of Custody

Pace Analyt
7726 Moller
Indianapolis

WO# : 50395450

50395450

Pace Job Number
L2511944

Page 1

Client Information	Project Info	uirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To:west.subreports@pacelabs.com Bill To:invoices@pacelabs.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com	Project Location: NY Project Manager: Jennifer Byrnes **Turnaround & Deliverables Information** Due Date: Deliverables: ASP Category B Deliverables	State/Federal Program: Regulatory Criteria: Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2511944 Report to include Method and/or Regulatory required batch QC

Additional Comments: Profile # 11706: needs L4 and EDD 265 NY EQUIS on Iodide sub chain"

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
001 GW2 002 003 004	L2511944-01	MW-11S	03-04-25 08:30	WATER	Iodide			1
	L2511944-02	MW-10S	03-04-25 15:40	WATER	Iodide			1
	L2511944-03	MW-10D	03-04-25 15:20	WATER	Iodide			1
	L2511944-04	MW-13S	03-04-25 13:55	WATER	Iodide			1
	L2511944-05	MW-13D	03-04-25 13:22	WATER	Iodide			1
	L2511944-06	MW-1SR	03-04-25 10:57	WATER	Iodide			3
	L2511944-07	MW-10R2	03-04-25 10:05	WATER	Iodide			1
	L2511944-08	DUP_03042025	03-04-25 12:00	WATER	Iodide			1
	L2511944-09	EQUIPMENT BLANK	03-04-25 15:30	Equipment Blank	Iodide			1

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	C Selvean Fedex	3/6/25 830	Fedex Matt	3/6/25 830
Form No: AL_subcoc				

F-IN-Q-290-rev.29, 4Oct2024

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 316125 1642 mw

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E (F) G H I

2. Cooler Temperature(s): (Initial/Corrected) 0.4 / 0.3 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: Circle One — (Fed Ex) UPS Client Pace Now/Jett Other

4. Custody Seal on Cooler/Box Present: ☑ Yes ☐ No

(If yes)Seals Intact: ☑ Yes ☐ No **(leave blank if no seals were present)**

5. Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

6. Ice Type: ☑ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler: ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis:		✓
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			✓
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

			MeOH (only)						AMBER GLASS							PLASTIC									OTHER					Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
			SBS																													
			DI																													
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit							
1																		1											GT				
2																		1															
3																		1															
4																		1															
5																		1															
6																		3															
7																		1															
8																		1															
9																		1															
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Report Number: 159924 Report Date: 2025-04-01

Amended Laboratory Report

Report prepared for:
Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581
Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:
Debbie S Robertson

Purchase Order:

For further assistance, contact:
Debbie S Robertson
Report Production Coordinator
PO Box 51610
Knoxville, TN 37950 -1610
(865) 546-1335
debbierobertson@galbraith.com

Sample: L2511944 MW-11S
Lab ID: 2025-V-6049 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.52 mg	2025-03-14

Sample: L2511944 MW-10S
Lab ID: 2025-V-6050 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.53 mg	2025-03-14

Sample: L2511944 MW-10D
Lab ID: 2025-V-6051 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.30 mg	2025-03-14

Sample: L2511944 MW-13S
Lab ID: 2025-V-6052 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.31 mg	2025-03-14

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Sample: L2511944 MW-13D
Lab ID: 2025-V-6053 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.51 mg	2025-03-14

Sample: L2511944 MW-1SR
Lab ID: 2025-V-6054 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.55 mg	2025-03-14

Sample: L2511944 MW-1SR, MS
Lab ID: 2025-V-6055 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.56 mg	2025-03-14

Sample: L2511944 MW-1SR, MSD
Lab ID: 2025-V-6056 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.20 mg	2025-03-14

Sample: L2511944 MW-1DR2
Lab ID: 2025-V-6057 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.90 mg	2025-03-14

Sample: L2511944 DUP_03042025
Lab ID: 2025-V-6058 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.98 mg	2025-03-14

Sample: L2511944 EQUIPMENT BLANK

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Lab ID: 2025-V-6059 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.13 mg	2025-03-14

For all samples on this report:

1. Amended Report: This report amends data included in report 159622

Signatures:

Created By:	Debbie.S.Robertson	2025-04-01T19:24:17.693-04:00
Published By:	Debbie.S.Robertson	2025-04-01T19:24:29.627-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 27, 2025

Jennifer Byrnes
Pace Westborough
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2511944
Pace Project No.: 30761924

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 07, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Customer Service, Alpha Analytical

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: L2511944
Pace Project No.: 30761924

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: L2511944
Pace Project No.: 30761924

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30761924001	**L2511944-02 MW-10S**	Water	03/04/25 15:40	03/07/25 11:45
30761924002	**L2511944-09 EQUIPMENT BLANK**	Water	03/04/25 15:30	03/07/25 11:45

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: L2511944
Pace Project No.: 30761924

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30761924001	**L2511944-02 MW-10S**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA
30761924002	**L2511944-09 EQUIPMENT BLANK**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: L2511944
Pace Project No.: 30761924

Sample: L2511944-02 MW-10S **Lab ID: 30761924001** Collected: 03/04/25 15:40 Received: 03/07/25 11:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.48 ± 0.883 (1.25) C:NA T:93%**	pCi/L	03/20/25 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.694 ± 0.453 (0.881) C:78% T:92%**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.428 ± 0.560 (0.773) C:NA T:80%**	pCi/L	03/18/25 08:58	14274-82-9	
Thorium-230	HSL-300	**0.196 ± 0.550 (1.02) C:NA T:80%**	pCi/L	03/18/25 08:58	14269-63-7	
Thorium-232	HSL-300	**0.269 ± 0.551 (0.762) C:NA T:80%**	pCi/L	03/18/25 08:58	7440-29-1	
Uranium-234	HSL-300	**0.455 ± 0.342 (0.459) C:NA T:96%**	pCi/L	03/17/25 13:53	13966-29-5	
Uranium-235	HSL-300	**0.142 ± 0.253 (0.393) C:NA T:96%**	pCi/L	03/17/25 13:53	15117-96-1	
Uranium-238	HSL-300	**0.418 ± 0.278 (0.126) C:NA T:96%**	pCi/L	03/17/25 13:53		

Sample: L2511944-09 EQUIPMENT BLANK **Lab ID: 30761924002** Collected: 03/04/25 15:30 Received: 03/07/25 11:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.296 ± 0.533 (1.15) C:NA T:94%**	pCi/L	03/20/25 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.854 ± 0.468 (0.861) C:76% T:87%**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.259 ± 0.227 (0.327) C:NA T:69%**	pCi/L	03/18/25 08:58	14274-82-9	
Thorium-230	HSL-300	**-0.028 ± 0.140 (0.259) C:NA T:69%**	pCi/L	03/18/25 08:58	14269-63-7	
Thorium-232	HSL-300	**-0.009 ± 0.140 (0.194) C:NA T:69%**	pCi/L	03/18/25 08:58	7440-29-1	
Uranium-234	HSL-300	**0.075 ± 0.059 (0.066) C:NA T:98%**	pCi/L	03/17/25 13:53	13966-29-5	
Uranium-235	HSL-300	**0.027 ± 0.056 (0.036) C:NA T:98%**	pCi/L	03/17/25 13:53	15117-96-1	
Uranium-238	HSL-300	**0.034 ± 0.043 (0.066) C:NA T:98%**	pCi/L	03/17/25 13:53		

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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QUALITY CONTROL - RADIOCHEMISTRY

Project: L2511944
Pace Project No.: 30761924

QC Batch: 731930
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30761924001, 30761924002

METHOD BLANK: 3563078 Matrix: Water
Associated Lab Samples: 30761924001, 30761924002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.603 ± 0.390 (0.725) C:73% T:88%	pCi/L	03/26/25 12:08	

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

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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QUALITY CONTROL - RADIOCHEMISTRY

Project: L2511944
Pace Project No.: 30761924

QC Batch: 731565
QC Batch Method: HSL-300
Analysis Method: HSL-300
Analysis Description: HSL300(AS) Actinides
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30761924001, 30761924002

METHOD BLANK: 3561655 Matrix: Water
Associated Lab Samples: 30761924001, 30761924002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	-0.039 ± 0.121 (0.321) C:NA T:78%	pCi/L	03/18/25 08:58	
Thorium-230	-0.021 ± 0.121 (0.215) C:NA T:78%	pCi/L	03/18/25 08:58	
Thorium-232	0.000 ± 0.121 (0.091) C:NA T:78%	pCi/L	03/18/25 08:58	
Uranium-234	0.054 ± 0.057 (0.090) C:NA T:93%	pCi/L	03/17/25 13:53	
Uranium-235	0.013 ± 0.055 (0.036) C:NA T:93%	pCi/L	03/17/25 13:53	
Uranium-238	0.024 ± 0.043 (0.066) C:NA T:93%	pCi/L	03/17/25 13:53	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: L2511944
Pace Project No.: 30761924

QC Batch: 731926
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30761924001, 30761924002

METHOD BLANK: 3563073 Matrix: Water
Associated Lab Samples: 30761924001, 30761924002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.344 ± 0.360 (0.564) C:NA T:97%	pCi/L	03/20/25 14:48	

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

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: L2511944
Pace Project No.: 30761924

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2511944
Pace Project No.: 30761924

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30761924001	**L2511944-02 MW-10S**	EPA 903.1	731926		
30761924002	**L2511944-09 EQUIPMENT BLANK**	EPA 903.1	731926		
30761924001	**L2511944-02 MW-10S**	EPA 904.0	731930		
30761924002	**L2511944-09 EQUIPMENT BLANK**	EPA 904.0	731930		
30761924001	**L2511944-02 MW-10S**	HSL-300	731565		
30761924002	**L2511944-09 EQUIPMENT BLANK**	HSL-300	731565		

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WO# : 30761924

30761924

Subcontract Chain of Custody

Pace Analytical (Greensburg, PA)
1638 Roseytown Rd, Suite 2
Greensburg, PA 15601

Pace Job Number
L2511944

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Received by Pace Greensburg
Therm ID 19 Corr Factor +0.4
Receipt Temp 1.6
Corrected Temp 1.2
Correct Preservation (Y) / N

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2511944 Report to include Method and/or Regulatory required batch QC

Additional Comments: Report to MDL, ASPB package

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2511944-02	MW-10S	03-04-25 15:40	WATER	Isotopic Uranium	Uranium HASL 300		1
				WATER	Radium 226	Radium 226 903.1		1
				WATER	Radium 228	Radium 228 904.0		1
				WATER	Thorium	Thorium HASL300		1
	L2511944-09	EQUIPMENT BLANK	03-04-25 15:30	Equipment Blank	Isotopic Uranium	Uranium HASL 300		1
				Equipment Blank	Radium 226	Radium 226 903.1		1
				Equipment Blank	Radium 228	Radium 228 904.0		1
				Equipment Blank	Thorium	Thorium HASL300		1

001
002

Relinquished By:	Date/Time:	Received By:	Date/Time:
	3/5/25 1840		3/5/25 1840
	3/5/25 2200	PTS	3/6/25 0215
PTS	3/6/25 0900		3/6 12:30
	3/6 16:30	Aaron Reigh	3-7-25 1000
Rel: Aaron Reigh	3-7-25 1145		3/7/25 1145

Form No: AL_subcoc

Serial_No:04112514:07

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-Greensburg

Effective Date: 01/04/2024

WO#: 30761924

PM: SCR Due Date: 03/28/25

CLIENT: ALPHA ANALYT

Client Name: Alpha

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

Tracking Number: _____

Initial / Date

Examined By: PS 3/18/25

Labeled By: PS 3/18/25

Temped By: EZ 3/17/25

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No **Seals Intact:** ☐ Yes ☐ No

Thermometer Used: 19 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 1.6 °C Correction Factor: -0.4 °C Final Temp: 1.2 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: PS 3/18/25	✓			5.
-Includes date/time/ID Matrix: WT				- sample 002 matrix listed as "equipment blank".
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix	✓			16. pH<2
All containers meet method preservation requirements:	✓			Initial when completed PS Date/Time of Preservation: Lot# of added Preservative:
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed EZ Date: 3/17/25 Survey Meter SN: 25014380

pH paper Lot# 10D1041

D.P.D. Residual Chlorine Lot # —

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Page 1 of 1

Client

Site L2511944

Page 1 of 1

Profile/EZ Login Number 21500

Notes

Sample Line Item	Matrix	Amber Glass					Plastic								Vials					Other									
		AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
001	WT						4																						
002	↓						4																						

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer	EZI	5g Encore
12GN	1/2 gallon cubitainer	VOAK	Kit Volatile Solid
SP5T	[illegible] Na Thiosulfate		Wipe/Swab
BP1N	[illegible]		oc Bag
BP1U	[illegible]		
BP3S	[illegible]		
BP3N	[illegible]		ter
BP3U	[illegible]		id
BP3B	250mL plastic NAOH		n-Aq Liquid
BP2S	500mL plastic H2SO4	WP	Wipe
BP2U	500mL plastic unpreserved		

WO#: 30761924

PM: SCR Due Date: 03/28/25

CLIENT: ALPHA ANALYT

Qualtrax ID: 55678

Serial_No:04112514:07

ANALYTICAL REPORT

Lab Number:	L2512271
Client:	Roux Env. Eng. & Geology, DPC 209 N. Shafter St. Islandia, NY 11749
ATTN:	Ashley Iervolino
Phone:	(631) 232-2600
Project Name:	CORAM MATERIALS
Project Number:	2232.0006Y005
Report Date:	03/12/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512271
Report Date: 03/12/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2512271-01	PZ-6_P	WATER	Not Specified	03/05/25 09:55	03/05/25
L2512271-02	FIELD BLANK_P	WATER	Not Specified	03/05/25 14:00	03/05/25

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512271
Project Number:	2232.0006Y005	**Report Date:**	03/12/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512271
Project Number:	2232.0006Y005	**Report Date:**	03/12/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by 1633

L2512271-01R, -02R, WG2038443-1R, WG2038443-2R, and WG2038443-3R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

L2512271-01R: The Extracted Internal Standard recoveries were above the acceptance criteria for 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (213%). Since the sample was non-detect to the RL for all associated target analytes, re-analysis was not required.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Alycia Mogayzel

Title: Technical Director/Representative Date: 03/12/25

ORGANICS

SEMIVOLATILES

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512271
Report Date: 03/12/25

SAMPLE RESULTS

Lab ID: L2512271-01 R
Client ID: PZ-6_P
Sample Location: Not Specified

Date Collected: 03/05/25 09:55
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/11/25 13:19
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	3.76	J	ng/l	6.28	0.518	1
Perfluoropentanoic Acid (PFPeA)	2.18	J	ng/l	3.14	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	1.15	J	ng/l	1.57	0.393	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.28	0.896	1
Perfluorohexanoic Acid (PFHxA)	1.78		ng/l	1.57	0.244	1
Perfluoropentanesulfonic Acid (PFPeS)	0.251	J	ng/l	1.57	0.204	1
Perfluoroheptanoic Acid (PFHpA)	1.31	J	ng/l	1.57	0.236	1
Perfluorohexanesulfonic Acid (PFHxS)	3.64		ng/l	1.57	0.134	1
Perfluorooctanoic Acid (PFOA)	3.82		ng/l	1.57	0.259	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.28	4.73	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.495	J	ng/l	1.57	0.196	1
Perfluorononanoic Acid (PFNA)	7.82		ng/l	1.57	0.259	1
Perfluorooctanesulfonic Acid (PFOS)	30.6		ng/l	1.57	0.259	1
Perfluorodecanoic Acid (PFDA)	0.605	J	ng/l	1.57	0.204	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.28	1.20	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.57	0.196	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.57	0.471	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.57	0.173	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.57	0.134	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.57	0.094	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.57	0.471	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.57	0.212	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.57	0.181	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.57	0.157	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.28	1.57	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.28	0.369	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.57	0.236	1

Project Name: CORAM MATERIALS **Lab Number:** L2512271

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512271-01 R
Client ID: PZ-6_P
Sample Location: Not Specified

Date Collected: 03/05/25 09:55
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.28	0.432	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.28	0.440	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.57	0.220	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.57	0.346	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.7	1.28	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.7	1.08	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.14	0.244	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.14	0.354	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.14	0.322	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.14	0.534	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.86	0.526	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	39.3	4.18	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	39.3	3.13	1

Project Name: CORAM MATERIALS **Lab Number:** L2512271

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512271-01 R
Client ID: PZ-6_P
Sample Location: Not Specified

Date Collected: 03/05/25 09:55
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	89		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	77		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	76		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	193		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	98		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	105		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	79		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	68		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	**213**	Q	40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	72		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	69		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	147		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	85		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	62		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	77		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	94		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	58		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	91		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	65		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	63		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	68		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	65		10-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512271
Report Date: 03/12/25

SAMPLE RESULTS

Lab ID: L2512271-02 R
Client ID: FIELD BLANK_P
Sample Location: Not Specified

Date Collected: 03/05/25 14:00
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/11/25 13:28
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.32	0.521	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.16	0.355	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.58	0.395	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.32	0.900	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.58	0.245	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.58	0.205	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.58	0.237	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.58	0.134	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.58	0.260	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.32	4.75	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.58	0.197	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.58	0.260	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.58	0.260	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.58	0.205	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.32	1.21	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.58	0.197	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.58	0.474	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.58	0.174	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.58	0.134	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.58	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.58	0.474	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.58	0.213	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.58	0.182	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.58	0.158	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.32	1.58	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.32	0.371	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.58	0.237	1

Project Name: CORAM MATERIALS **Lab Number:** L2512271

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512271-02 R
Client ID: FIELD BLANK_P
Sample Location: Not Specified

Date Collected: 03/05/25 14:00
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.32	0.434	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.32	0.442	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.58	0.221	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.58	0.347	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.8	1.29	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.8	1.09	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.16	0.245	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.16	0.355	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.16	0.324	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.16	0.537	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.89	0.529	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	39.5	4.20	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	39.5	3.14	1

Project Name: CORAM MATERIALS **Lab Number:** L2512271

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512271-02 R
Client ID: FIELD BLANK_P
Sample Location: Not Specified

Date Collected: 03/05/25 14:00
Date Received: 03/05/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	96		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	91		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	89		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	94		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	95		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	93		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	97		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	92		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	88		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	95		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	91		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	90		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	83		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	81		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	82		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	94		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	77		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	80		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	89		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	90		10-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512271
Report Date: 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/11/25 12:26
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG2038443-1 R					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	0.528
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.360
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.400
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	0.912
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.248
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.208
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.240
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.136
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.264
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	4.82
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.200
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.264
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.264
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.208
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	1.22
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.200
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.480
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.176
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.136
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.096
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.480
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.216
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.184
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.160
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	1.60
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	0.376
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.240

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512271
Report Date: 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/11/25 12:26
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG2038443-1 R					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	0.440
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	0.448
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.224
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.352
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	1.30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.10
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.248
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.360
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.328
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	0.544
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	0.536
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	4.26
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	3.18

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512271
Report Date: 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/11/25 12:26
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG2038443-1 R					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	106		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	105		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	115		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	102		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	110		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	111		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	112		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	109		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	117		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	101		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	101		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	100		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	92		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	88		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	90		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	108		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	66		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	68		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	87		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	89		10-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512271
Report Date: 03/12/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG2038443-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	109		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	102		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	99		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	95		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	108		-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	94		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	95		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	96		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	87		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	107		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	105		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	98		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	102		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	104		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	88		-		70-145	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512271
Report Date: 03/12/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG2038443-2 LOW LEVEL								
Perfluorododecanoic Acid (PFDoA)	108		-		70-140	-		30
Perfluorotridecanoic Acid (PFTrDA)	106		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	105		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	101		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	98		-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	95		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	110		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	107		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	106		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	107		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	96		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	94		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	102		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	104		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	91		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	94		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	98		-		65-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	92		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	77		-		50-145	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512271
Report Date: 03/12/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG2038443-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	99				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	100				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	96				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	100				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	110				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	102				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	104				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	97				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	109				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	95				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	94				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	85				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	105				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	89				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	88				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	92				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	74				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	71				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	94				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	94				10-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512271
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG2038443-3								
Perfluorobutanoic Acid (PFBA)	89		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	90		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	89		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	94		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	89		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	95		-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	92		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	88		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	82		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	94		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	92		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	86		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	85		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	93		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	92		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	85		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	80		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	94		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	80		-		70-145	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512271
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG2038443-3								
Perfluorododecanoic Acid (PFDoA)	88		-		70-140	-		30
Perfluorotridecanoic Acid (PFTrDA)	94		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	83		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	97		-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	80		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	94		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	85		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	85		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	84		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	81		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	82		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	91		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	96		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	80		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	87		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	95		-		65-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	91		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	74		-		50-145	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512271
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG2038443-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	109				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	98				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	102				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	94				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	103				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	102				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	103				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	107				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	101				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	100				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	103				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	93				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	100				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	88				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	94				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	81				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	92				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	95				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	76				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	77				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	85				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	85				10-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512271
Report Date: 03/12/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512271-01A	Plastic 500ml unpreserved	A	NA		4.4	Y	Absent		A2-NY-1633(28)
L2512271-01B	Plastic 500ml unpreserved	A	NA		4.4	Y	Absent		A2-NY-1633(28)
L2512271-02A	Plastic 500ml unpreserved	A	NA		4.4	Y	Absent		A2-NY-1633(28)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
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Report Date: 03/12/25

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: CORAM MATERIALS
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Report Date: 03/12/25

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512271
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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512271
Report Date: 03/12/25

REFERENCES

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

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 1

Date Rec'd in Lab: 3/6/25

ALPHA Job #: L2512271

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:

PFAS: 40 Compound List

Please specify Metals or TAL.

ANALYSIS

A2-NY-1633

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-NY-1633	Sample Specific Comments	Total Bottles
12271-01	PZ-6_P	3/5/25	955	AQ	AI	x		2
-02	FIELD BLANK-P	3/5/25	1400	AQ	AI	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	P								
Preservative	N								

Relinquished By:	Date/Time	Received By:	Date/Time
	3/5/25 1515	Pace	3/5/25 15:20
Pace	3/5/25 18:30		3/5/25 1920
	3/5/25		3/5/25 2240
	3/6/25 0120		3/6/25 01:20
	3-6-25 0935		3/6/25 0935
	3/6/25 1030		3/6/25 10:30

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)

ANALYTICAL REPORT

Lab Number:	L2512325
Client:	Roux Env. Eng. & Geology, DPC 209 N. Shafter St. Islandia, NY 11749
ATTN:	Ashley Iervolino
Phone:	(631) 232-2600
Project Name:	CORAM MATERIALS
Project Number:	2232.0006Y005
Report Date:	04/07/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2512325-01	MP-1	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 10:30	03/05/25
L2512325-02	MP-1D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 09:15	03/05/25
L2512325-03	PZ-5	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 14:38	03/05/25
L2512325-04	PZ-6	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 09:55	03/05/25
L2512325-05	MW-5D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 13:30	03/05/25
L2512325-06	MW-6D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 11:30	03/05/25
L2512325-07	MW-8S	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 13:00	03/05/25
L2512325-08	MW-8D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 14:08	03/05/25
L2512325-09	DUP-03052025	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 12:00	03/05/25
L2512325-10	TRIP BLANK	TRIP BLANK (AQUEOUS)	416 MILLER PLACE-YAPHANK ROAD	03/05/25 00:00	03/05/25
L2512325-11	PZ-6_R	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 09:55	03/05/25
L2512325-12	MW-8S_R	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 13:00	03/05/25
L2512325-13	DUP_03052025_R	WATER	416 MILLER PLACE-YAPHANK ROAD	03/05/25 12:00	03/05/25

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512325
Project Number:	2232.0006Y005	**Report Date:**	04/07/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: CORAM MATERIALS **Lab Number:** L2512325
Project Number: 2232.0006Y005 **Report Date:** 04/07/25

Case Narrative (continued)

Report Revision

April 07, 2025: The subcontracted report for Uranium has been amended.

Report Submission

April 02, 2025: This final report includes the results of all requested analyses.

March 19, 2025: This is a preliminary report.

March 13, 2025: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The following analyses were subcontracted: Ammonium, Iodide, Sulfide, Radium 226, Radium 228, Thorium, and Uranium. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Sample Receipt

L2512325-04: Headspace was noted in the sample container submitted for Carbonate Alkalinity - SM 2320 and Bicarbonate Alkalinity - SM 2320.

L2512325-10: One of the Trip Blank containers for Volatile Organics was received broken; however, there was adequate sample remaining to perform the requested analysis.

L2512325-10: Headspace was noted in the Trip Blank container submitted for Volatile Organics.

Total Metals

The WG2038730-8 Laboratory Duplicate RPD performed on L2512325-03 is above the acceptance criteria for zinc (36%); however, the sample and duplicate results are less than five times the reporting limit and the RPD is valid.

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512325
Project Number:	2232.0006Y005	**Report Date:**	04/07/25

Case Narrative (continued)

Dissolved Metals

L2512325-06: The dissolved result is greater than the total result for sodium. The sample containers were verified as being labeled correctly by the laboratory, and aliquots were analyzed from each bottle, confirming the original results.

Anions by Ion Chromatography

The WG2038791-3/-4 MS/MSD recoveries performed on L2512325-02 are outside the acceptance criteria for bromide (76%/76%); however, the associated LCS recovery is within criteria. No further action was taken.

Nitrogen, Total Kjeldahl

The WG2039027-4 MS recovery performed on L2512325-02 is outside the acceptance criteria for nitrogen, total kjeldahl (116%); however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 04/07/25

ORGANICS

VOLATILES

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-01
Client ID: MP-1
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 10:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 02:55
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-01 Date Collected: 03/05/25 10:30

Client ID: MP-1 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-02
Client ID: MP-1D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 09:15
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 02:28
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-02 Date Collected: 03/05/25 09:15

Client ID: MP-1D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-03 Date Collected: 03/05/25 14:38
Client ID: PZ-5 Date Received: 03/05/25
Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 02:02
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-03 Date Collected: 03/05/25 14:38

Client ID: PZ-5 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-04
Client ID: PZ-6
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 09:55
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 01:35
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-04 Date Collected: 03/05/25 09:55

Client ID: PZ-6 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-05
Client ID: MW-5D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 13:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 01:09
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	0.84	J	ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.86		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.39	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-05 Date Collected: 03/05/25 13:30

Client ID: MW-5D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-06
Client ID: MW-6D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 11:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 00:42
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-06 Date Collected: 03/05/25 11:30

Client ID: MW-6D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-07
Client ID: MW-8S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 13:00
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 00:16
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-07 Date Collected: 03/05/25 13:00

Client ID: MW-8S Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-08
Client ID: MW-8D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 14:08
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/11/25 23:49
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-08 Date Collected: 03/05/25 14:08

Client ID: MW-8D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-09
Client ID: DUP-03052025
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 12:00
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/11/25 23:23
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-09 Date Collected: 03/05/25 12:00

Client ID: DUP-03052025 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-10
Client ID: TRIP BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 00:00
Date Received: 03/05/25
Field Prep: None

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 03/11/25 21:36
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-10 Date Collected: 03/05/25 00:00

Client ID: TRIP BLANK Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: None

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/11/25 21:10
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2039430-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/11/25 21:10
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2039430-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/11/25 21:10
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG2039430-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2039430-3 WG2039430-4								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	100		97		70-130	3		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	94		89		63-132	5		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	100		99		63-130	1		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	100		94		62-150	6		20
1,2-Dichloroethane	97		97		70-130	0		20
1,1,1-Trichloroethane	100		94		67-130	6		20
Bromodichloromethane	98		95		67-130	3		20
trans-1,3-Dichloropropene	98		96		70-130	2		20
cis-1,3-Dichloropropene	92		90		70-130	2		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	120		120		67-130	0		20
Benzene	110		100		70-130	10		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	82		76		64-130	8		20
Bromomethane	120		110		39-139	9		20
Vinyl chloride	110		99		55-140	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2039430-3 WG2039430-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	110		97		61-145	13		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	100		96		70-130	4		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	95		88		36-147	8		20
Acetone	92		95		58-148	3		20
Carbon disulfide	100		99		51-130	1		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	97		99		57-130	2		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	94		98		41-144	4		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG2039430-3 WG2039430-4								
1,2,4-Trichlorobenzene	110		100		70-130	10		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	100		96		70-130	4		20
Freon-113	110		98		70-130	12		20
Methyl cyclohexane	110		97		70-130	13		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	99		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2039430-6 WG2039430-7 QC Sample: L2512325-02 Client ID: MP-1D												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
Chloroform	ND	10	12	120		12	120		70-130	0		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		12	120		70-130	9		20
Dibromochloromethane	ND	10	11	110		11	110		63-130	0		20
1,1,2-Trichloroethane	ND	10	12	120		12	120		70-130	0		20
Tetrachloroethene	ND	10	12	120		12	120		70-130	0		20
Chlorobenzene	ND	10	12	120		12	120		75-130	0		20
Trichlorofluoromethane	ND	10	13	130		13	130		62-150	0		20
1,2-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
cis-1,3-Dichloropropene	ND	10	9.4	94		9.9	99		70-130	5		20
Bromoform	ND	10	11	110		11	110		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	12	120		12	120		67-130	0		20
Benzene	ND	10	12	120		12	120		70-130	0		20
Toluene	ND	10	12	120		12	120		70-130	0		20
Ethylbenzene	ND	10	12	120		12	120		70-130	0		20
Chloromethane	ND	10	10	100		11	110		64-130	10		20
Bromomethane	ND	10	10	100		13	130		39-139	**26**	Q	20
Vinyl chloride	ND	10	12	120		13	130		55-140	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2039430-6 WG2039430-7 QC Sample: L2512325-02 Client ID: MP-1D												
Chloroethane	ND	10	14	**140**	Q	15	**150**	Q	55-138	7		20
1,1-Dichloroethene	ND	10	12	120		12	120		61-145	0		20
trans-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Trichloroethene	ND	10	12	120		12	120		70-130	0		20
1,2-Dichlorobenzene	ND	10	11	110		12	120		70-130	9		20
1,3-Dichlorobenzene	ND	10	11	110		12	120		70-130	9		20
1,4-Dichlorobenzene	ND	10	11	110		12	120		70-130	9		20
Methyl tert butyl ether	ND	10	11	110		11	110		63-130	0		20
p/m-Xylene	ND	20	24	120		24	120		70-130	0		20
o-Xylene	ND	20	24	120		24	120		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	110		12	120		70-130	9		20
Styrene	ND	20	24	120		25	125		70-130	4		20
Dichlorodifluoromethane	ND	10	10	100		11	110		36-147	10		20
Acetone	ND	10	13	130		12	120		58-148	8		20
Carbon disulfide	ND	10	11	110		12	120		51-130	9		20
2-Butanone	ND	10	12	120		13	130		63-138	8		20
4-Methyl-2-pentanone	ND	10	10	100		11	110		59-130	10		20
2-Hexanone	ND	10	11	110		10	100		57-130	10		20
Bromochloromethane	ND	10	12	120		12	120		70-130	0		20
1,2-Dibromoethane	ND	10	11	110		12	120		70-130	9		20
1,2-Dibromo-3-chloropropane	ND	10	9.0	90		9.9	99		41-144	10		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.6	96		11	110		70-130	14		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG2039430-6 WG2039430-7 QC Sample: L2512325-02 Client ID: MP-1D												
1,2,4-Trichlorobenzene	ND	10	9.7	97		11	110		70-130	13		20
Methyl Acetate	ND	10	9.9	99		10	100		70-130	1		20
Cyclohexane	ND	10	11	110		11	110		70-130	0		20
Freon-113	ND	10	11	110		11	110		70-130	0		20
Methyl cyclohexane	ND	10	10	100		9.8J	98		70-130	2		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		104		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	104		103		70-130
Toluene-d8	101		102		70-130

SEMIVOLATILES

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-01
Client ID: MP-1
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 10:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/12/25 17:17
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-01 Date Collected: 03/05/25 10:30

Client ID: MP-1 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	89		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-01
Client ID: MP-1
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 10:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 11:37
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-01 Date Collected: 03/05/25 10:30

Client ID: MP-1 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	84		41-149

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-02
Client ID: MP-1D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 09:15
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/12/25 17:39
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-02 Date Collected: 03/05/25 09:15

Client ID: MP-1D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	98		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-02
Client ID: MP-1D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 09:15
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 12:28
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-02 Date Collected: 03/05/25 09:15

Client ID: MP-1D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	105		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-03
Client ID: PZ-5
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 14:38
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 15:29
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-03 Date Collected: 03/05/25 14:38

Client ID: PZ-5 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	113		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-03
Client ID: PZ-5
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 14:38
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 12:45
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-03 Date Collected: 03/05/25 14:38

Client ID: PZ-5 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	103		15-120
2,4,6-Tribromophenol	118		10-120
4-Terphenyl-d14	122		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-04
Client ID: PZ-6
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 09:55
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 15:52
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-04 Date Collected: 03/05/25 09:55

Client ID: PZ-6 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	1.3	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	106		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-04
Client ID: PZ-6
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 09:55
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 13:02
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.09	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-04 Date Collected: 03/05/25 09:55

Client ID: PZ-6 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	101		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-05
Client ID: MW-5D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 13:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 16:14
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-05 Date Collected: 03/05/25 13:30

Client ID: MW-5D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	97		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	112		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-05
Client ID: MW-5D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 13:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 13:19
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-05 Date Collected: 03/05/25 13:30

Client ID: MW-5D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	118		10-120
4-Terphenyl-d14	127		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-06
Client ID: MW-6D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 11:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 16:37
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-06 Date Collected: 03/05/25 11:30

Client ID: MW-6D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	111		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-06
Client ID: MW-6D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 11:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 13:36
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-06 Date Collected: 03/05/25 11:30

Client ID: MW-6D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	97		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	116		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-07
Client ID: MW-8S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 13:00
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 17:00
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-07 Date Collected: 03/05/25 13:00

Client ID: MW-8S Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	66		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-07
Client ID: MW-8S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 13:00
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 13:53
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-07 Date Collected: 03/05/25 13:00

Client ID: MW-8S Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	106		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	128		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-08
Client ID: MW-8D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 14:08
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 17:22
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-08 Date Collected: 03/05/25 14:08

Client ID: MW-8D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	73		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-08
Client ID: MW-8D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 14:08
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 14:10
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-08 Date Collected: 03/05/25 14:08

Client ID: MW-8D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	122		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-09
Client ID: DUP-03052025
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 12:00
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 17:44
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-09 Date Collected: 03/05/25 12:00

Client ID: DUP-03052025 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	81		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-09
Client ID: DUP-03052025
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/05/25 12:00
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 14:27
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-09 Date Collected: 03/05/25 12:00

Client ID: DUP-03052025 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	115		23-120
2-Fluorobiphenyl	111		15-120
2,4,6-Tribromophenol	113		10-120
4-Terphenyl-d14	130		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/12/25 13:33
Analyst: IMK

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG2038678-1					
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/12/25 13:33
Analyst: IMK

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG2038678-1					
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	96		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 11:20
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG2038679-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 11:20
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 03/10/25 18:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG2038679-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	100		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG2038678-2 WG2038678-3								
3,3'-Dichlorobenzidine	61		69		40-140	12		30
2,4-Dinitrotoluene	103		104		48-143	1		30
2,6-Dinitrotoluene	110		96		40-140	14		30
4-Chlorophenyl phenyl ether	82		82		40-140	0		30
4-Bromophenyl phenyl ether	86		88		40-140	2		30
Bis(2-chloroisopropyl)ether	62		61		40-140	2		30
Bis(2-chloroethoxy)methane	84		81		40-140	4		30
Hexachlorocyclopentadiene	69		60		40-140	14		30
Isophorone	84		80		40-140	5		30
Nitrobenzene	86		79		40-140	8		30
NDPA/DPA	82		88		40-140	7		30
n-Nitrosodi-n-propylamine	81		80		29-132	1		30
Bis(2-ethylhexyl)phthalate	92		93		40-140	1		30
Butyl benzyl phthalate	101		99		40-140	2		30
Di-n-butylphthalate	90		91		40-140	1		30
Di-n-octylphthalate	92		92		40-140	0		30
Diethyl phthalate	87		88		40-140	1		30
Dimethyl phthalate	100		98		40-140	2		30
Biphenyl	96		88		40-140	9		30
4-Chloroaniline	72		73		40-140	1		30
2-Nitroaniline	96		99		52-143	3		30
3-Nitroaniline	87		93		25-145	7		30
4-Nitroaniline	96		96		51-143	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG2038678-2 WG2038678-3								
Dibenzofuran	79		82		40-140	4		30
1,2,4,5-Tetrachlorobenzene	88		78		2-134	12		30
Acetophenone	107		99		39-129	8		30
2,4,6-Trichlorophenol	92		90		30-130	2		30
p-Chloro-m-cresol	93		93		23-97	0		30
2-Chlorophenol	86		80		27-123	7		30
2,4-Dichlorophenol	100		88		30-130	13		30
2,4-Dimethylphenol	63		49		30-130	25		30
2-Nitrophenol	97		92		30-130	5		30
4-Nitrophenol	59		70		10-80	17		30
2,4-Dinitrophenol	86		94		20-130	9		30
4,6-Dinitro-o-cresol	90		104		20-164	14		30
Phenol	47		43		12-110	9		30
2-Methylphenol	72		68		30-130	6		30
3-Methylphenol/4-Methylphenol	73		69		30-130	6		30
2,4,5-Trichlorophenol	104		93		30-130	11		30
Carbazole	94		92		55-144	2		30
Atrazine	123		127		40-140	3		30
Benzaldehyde	118		107		40-140	10		30
Caprolactam	31		38		10-130	20		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG2038678-2 WG2038678-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		53		21-120
Phenol-d6	46		40		10-120
Nitrobenzene-d5	102		84		23-120
2-Fluorobiphenyl	96		83		15-120
2,4,6-Tribromophenol	108		97		10-120
4-Terphenyl-d14	112		101		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG2038679-2 WG2038679-3								
Acenaphthene	80		85		40-140	6		40
2-Chloronaphthalene	77		81		40-140	5		40
Fluoranthene	99		109		40-140	10		40
Hexachlorobutadiene	63		64		40-140	2		40
Naphthalene	72		76		40-140	5		40
Benzo(a)anthracene	91		102		40-140	11		40
Benzo(a)pyrene	111		123		40-140	10		40
Benzo(b)fluoranthene	101		114		40-140	12		40
Benzo(k)fluoranthene	108		115		40-140	6		40
Chrysene	95		105		40-140	10		40
Acenaphthylene	91		98		40-140	7		40
Anthracene	94		105		40-140	11		40
Benzo(ghi)perylene	124		**159**	Q	40-140	25		40
Fluorene	88		94		40-140	7		40
Phenanthrene	92		97		40-140	5		40
Dibenzo(a,h)anthracene	130		**166**	Q	40-140	24		40
Indeno(1,2,3-cd)pyrene	132		**167**	Q	40-140	23		40
Pyrene	98		107		40-140	9		40
2-Methylnaphthalene	74		77		40-140	4		40
Pentachlorophenol	98		113		40-140	14		40
Hexachlorobenzene	94		101		40-140	7		40
Hexachloroethane	61		63		40-140	3		40
Bis(2-chloroethyl)ether	83		87		40-140	5		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG2038679-2 WG2038679-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		62		21-120
Phenol-d6	50		48		10-120
Nitrobenzene-d5	100		97		23-120
2-Fluorobiphenyl	93		93		15-120
2,4,6-Tribromophenol	**125**	Q	**124**	Q	10-120
4-Terphenyl-d14	109		108		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038678-4 WG2038678-5 QC Sample: L2512325-02 Client ID: MP-1D												
3,3'-Dichlorobenzidine	ND	20	13	65		16	80		40-140	21		30
2,4-Dinitrotoluene	ND	20	19	95		21	110		48-143	10		30
2,6-Dinitrotoluene	ND	20	19	95		22	110		40-140	15		30
4-Chlorophenyl phenyl ether	ND	20	15	75		18	90		40-140	18		30
4-Bromophenyl phenyl ether	ND	20	16	80		19	95		40-140	17		30
Bis(2-chloroisopropyl)ether	ND	20	13	65		14	70		40-140	7		30
Bis(2-chloroethoxy)methane	ND	20	16	80		16	80		40-140	0		30
Hexachlorocyclopentadiene	ND	20	11.J	55		12.J	60		40-140	9		30
Isophorone	ND	20	16	80		17	85		40-140	6		30
Nitrobenzene	ND	20	16	80		17	85		40-140	6		30
NDPA/DPA	ND	20	16	80		18	90		40-140	12		30
n-Nitrosodi-n-propylamine	ND	20	15	75		17	85		29-132	13		30
Bis(2-ethylhexyl)phthalate	ND	20	17	85		20	100		40-140	16		30
Butyl benzyl phthalate	ND	20	19	95		21	110		40-140	10		30
Di-n-butylphthalate	ND	20	17	85		18	90		40-140	6		30
Di-n-octylphthalate	ND	20	16	80		19	95		40-140	17		30
Diethyl phthalate	ND	20	16	80		19	95		40-140	17		30
Dimethyl phthalate	ND	20	18	90		21	110		40-140	15		30
Biphenyl	ND	20	18	90		21	110		40-140	15		30
4-Chloroaniline	ND	20	14	70		16	80		40-140	13		30
2-Nitroaniline	ND	20	20	100		22	110		52-143	10		30
3-Nitroaniline	ND	20	17	85		20	100		25-145	16		30
4-Nitroaniline	ND	20	18	90		21	110		51-143	15		30

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038678-4 WG2038678-5 QC Sample: L2512325-02 Client ID: MP-1D												
Dibenzofuran	ND	20	15	75		18	90		40-140	18		30
1,2,4,5-Tetrachlorobenzene	ND	20	16	80		18	90		2-134	12		30
Acetophenone	ND	20	20	100		21	110		39-129	5		30
2,4,6-Trichlorophenol	ND	20	18	90		21	110		30-130	15		30
p-Chloro-m-cresol	ND	20	17	85		20	**100**	Q	23-97	16		30
2-Chlorophenol	ND	20	15	75		17	85		27-123	13		30
2,4-Dichlorophenol	ND	20	18	90		19	95		30-130	5		30
2,4-Dimethylphenol	ND	20	10	50		11	55		30-130	10		30
2-Nitrophenol	ND	20	19	95		18	90		30-130	5		30
4-Nitrophenol	ND	20	12	60		14	70		10-80	15		30
2,4-Dinitrophenol	ND	20	17.J	85		18.J	90		20-130	6		30
4,6-Dinitro-o-cresol	ND	20	18	90		20	100		20-164	11		30
Phenol	ND	20	8.8	44		9.7	49		12-110	10		30
2-Methylphenol	ND	20	13	65		14	70		30-130	7		30
3-Methylphenol/4-Methylphenol	ND	20	14	70		14	70		30-130	0		30
2,4,5-Trichlorophenol	ND	20	19	95		22	110		30-130	15		30
Carbazole	ND	20	17	85		19	95		55-144	11		30
Atrazine	ND	20	23	120		25	130		40-140	8		30
Benzaldehyde	ND	20	21	110		25	130		40-140	17		30
Caprolactam	ND	20	6.8J	34		8.8J	44		10-130	26		30

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038678-4 WG2038678-5 QC Sample: L2512325-02 Client ID: MP-1D

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	93		106		10-120
2-Fluorobiphenyl	87		105		15-120
2-Fluorophenol	52		58		21-120
4-Terphenyl-d14	98		108		41-149
Nitrobenzene-d5	88		97		23-120
Phenol-d6	39		48		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038679-4 WG2038679-5 QC Sample: L2512325-02 Client ID: MP-1D												
Acenaphthene	ND	20	16	80		17	85		40-140	6		40
2-Chloronaphthalene	ND	20	15	75		16	80		40-140	6		40
Fluoranthene	ND	20	19	95		21	110		40-140	10		40
Hexachlorobutadiene	ND	20	12	60		12	60		40-140	0		40
Naphthalene	ND	20	14	70		15	75		40-140	7		40
Benzo(a)anthracene	ND	20	18	90		19	95		40-140	5		40
Benzo(a)pyrene	ND	20	21	110		23	120		40-140	9		40
Benzo(b)fluoranthene	ND	20	20	100		22	110		40-140	10		40
Benzo(k)fluoranthene	ND	20	20	100		22	110		40-140	10		40
Chrysene	ND	20	18	90		20	100		40-140	11		40
Acenaphthylene	ND	20	18	90		20	100		40-140	11		40
Anthracene	ND	20	18	90		20	100		40-140	11		40
Benzo(ghi)perylene	ND	20	24	120		26	130		40-140	8		40
Fluorene	ND	20	17	85		19	95		40-140	11		40
Phenanthrene	ND	20	18	90		19	95		40-140	5		40
Dibenzo(a,h)anthracene	ND	20	25	130		28	140		40-140	11		40
Indeno(1,2,3-cd)pyrene	ND	20	26	130		28	140		40-140	7		40
Pyrene	ND	20	18	90		20	100		40-140	11		40
2-Methylnaphthalene	ND	20	14	70		16	80		40-140	13		40
Pentachlorophenol	ND	20	20	100		21	110		40-140	5		40
Hexachlorobenzene	ND	20	18	90		20	100		40-140	11		40
Hexachloroethane	ND	20	12	60		12	60		40-140	0		40
Bis(2-chloroethyl)ether	ND	20	16	80		17	85		40-140	6		40

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038679-4 WG2038679-5 QC Sample: L2512325-02 Client ID: MP-1D

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	119		**130**	Q	10-120
2-Fluorobiphenyl	92		99		15-120
2-Fluorophenol	58		65		21-120
4-Terphenyl-d14	100		112		41-149
Nitrobenzene-d5	93		102		23-120
Phenol-d6	44		50		10-120

METALS

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-01 Date Collected: 03/05/25 10:30

Client ID: MP-1 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Barium, Total	0.0191		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Calcium, Total	23.8		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Copper, Total	0.0022	J	mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Iron, Total	0.0250	J	mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Magnesium, Total	6.49		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0016	J	mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 09:55	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Potassium, Total	2.00	J	mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Silver, Total	0.0047	J	mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Sodium, Total	12.4		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Zinc, Total	0.0021	J	mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 22:03	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0198		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS
Lab Number: L2512325
Project Number: 2232.0006Y005
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-01
Client ID: MP-1
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Date Collected: 03/05/25 10:30
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	24.5		mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	6.87		mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 07:45	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	2.01	J	mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	12.0		mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 14:35	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-02 Date Collected: 03/05/25 09:15

Client ID: MP-1D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.270		mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Barium, Total	0.0143		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Calcium, Total	18.3		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Chromium, Total	0.0091	J	mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Copper, Total	0.0051	J	mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Iron, Total	0.269		mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Magnesium, Total	8.72		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0056	J	mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Mercury, Total	0.00104		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 09:42	EPA 245.1	3,245.1	JWN
Nickel, Total	0.0086	J	mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Potassium, Total	1.51	J	mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Silver, Total	0.0066	J	mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Sodium, Total	13.9		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Zinc, Total	0.0077		mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 09:22	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0127		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-02 Date Collected: 03/05/25 09:15

Client ID: MP-1D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	17.3		mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Iron, Dissolved	0.0122	J	mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	8.69		mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	0.0030	J	mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	0.00047		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 07:35	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.30	J	mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	12.6		mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	0.0042	J	mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 14:54	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-03 Date Collected: 03/05/25 14:38

Client ID: PZ-5 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.518		mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Barium, Total	0.0236		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Calcium, Total	25.6		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Chromium, Total	0.0040	J	mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Copper, Total	0.0036	J	mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Iron, Total	0.623		mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Magnesium, Total	8.40		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0412		mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 09:58	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Potassium, Total	1.16	J	mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Silver, Total	0.0032	J	mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Sodium, Total	2.65		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Zinc, Total	0.0050		mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 21:22	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0195		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-03 Date Collected: 03/05/25 14:38

Client ID: PZ-5 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	26.7		mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Iron, Dissolved	0.0099	J	mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	8.71		mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 07:49	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.00	J	mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	2.56		mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	0.0034	J	mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 14:42	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-04 Date Collected: 03/05/25 09:55

Client ID: PZ-6 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0697	J	mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Barium, Total	0.0650		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Calcium, Total	62.4		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Copper, Total	0.0031	J	mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Iron, Total	0.0743		mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Magnesium, Total	10.2		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0852		mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 10:08	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Potassium, Total	7.88		mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Sodium, Total	12.0		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Thallium, Total	0.0034	J	mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 22:06	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0606		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS
Lab Number: L2512325
Project Number: 2232.0006Y005
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-04
Client ID: PZ-6
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Date Collected: 03/05/25 09:55
Date Received: 03/05/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	60.6		mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Copper, Dissolved	0.0023	J	mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	10.6		mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	0.0512		mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 07:52	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	7.28		mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	10.9		mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 14:48	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-05 Date Collected: 03/05/25 13:30

Client ID: MW-5D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Barium, Total	0.0434		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Calcium, Total	15.2		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Iron, Total	0.0232	J	mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Magnesium, Total	6.73		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 10:12	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Potassium, Total	1.34	J	mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Sodium, Total	19.8		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Zinc, Total	0.718		mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 22:10	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0446		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-05 Date Collected: 03/05/25 13:30

Client ID: MW-5D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	15.4		mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Iron, Dissolved	0.0102	J	mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	7.18		mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 07:55	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.38	J	mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	16.4		mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 13:33	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-06 Date Collected: 03/05/25 11:30

Client ID: MW-6D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.134		mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Barium, Total	0.0121		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Calcium, Total	14.2		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Chromium, Total	0.0236		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Iron, Total	0.838		mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Magnesium, Total	6.79		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0148		mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 10:15	EPA 245.1	3,245.1	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Potassium, Total	1.16	J	mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Sodium, Total	12.1		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 22:13	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0106		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-06 Date Collected: 03/05/25 11:30

Client ID: MW-6D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	11.6		mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	0.0024	J	mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	5.53		mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 07:59	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.13	J	mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	17.1		mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 13:39	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-07 Date Collected: 03/05/25 13:00

Client ID: MW-8S Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.06		mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Barium, Total	0.0470		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Calcium, Total	12.4		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Chromium, Total	0.0045	J	mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Copper, Total	0.0029	J	mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Iron, Total	1.47		mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Magnesium, Total	5.70		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Manganese, Total	0.146		mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 10:18	EPA 245.1	3,245.1	JWN
Nickel, Total	0.0027	J	mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Potassium, Total	1.44	J	mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Sodium, Total	7.57		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Vanadium, Total	0.0027	J	mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Zinc, Total	0.0063		mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 22:17	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0324		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-07 Date Collected: 03/05/25 13:00

Client ID: MW-8S Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	12.0		mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Copper, Dissolved	0.0054	J	mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Iron, Dissolved	0.0511		mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	5.76		mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	0.0904		mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 08:02	EPA 245.1	3,245.1	CME
Nickel, Dissolved	0.0065	J	mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.12	J	mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	7.15		mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	0.0121		mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 13:45	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-08 Date Collected: 03/05/25 14:08

Client ID: MW-8D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Barium, Total	0.0282		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Calcium, Total	12.0		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Chromium, Total	0.0050	J	mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Iron, Total	0.0513		mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Magnesium, Total	5.37		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0023	J	mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 10:21	EPA 245.1	3,245.1	JWN
Nickel, Total	0.0033	J	mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Potassium, Total	1.25	J	mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Silver, Total	0.0040	J	mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Sodium, Total	17.3		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Zinc, Total	0.0029	J	mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 22:20	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0286		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-08 Date Collected: 03/05/25 14:08

Client ID: MW-8D Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	12.3		mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	5.77		mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 08:05	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.24	J	mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	16.0		mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	0.0026	J	mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 13:52	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-09 Date Collected: 03/05/25 12:00

Client ID: DUP-03052025 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.341		mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Barium, Total	0.0141		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Calcium, Total	17.7		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Chromium, Total	0.0088	J	mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Copper, Total	0.0057	J	mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Iron, Total	0.377		mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Magnesium, Total	8.35		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0064	J	mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Mercury, Total	0.00104		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 10:25	EPA 245.1	3,245.1	JWN
Nickel, Total	0.0090	J	mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Potassium, Total	1.47	J	mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Silver, Total	0.0110		mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Sodium, Total	13.7		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Vanadium, Total	0.0020	J	mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Zinc, Total	0.0911		mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 22:24	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0132		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-09 Date Collected: 03/05/25 12:00

Client ID: DUP-03052025 Date Received: 03/05/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	18.0		mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Iron, Dissolved	0.0154	J	mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	9.01		mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	0.0034	J	mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	0.00074		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 08:15	EPA 245.1	3,245.1	CME
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.42	J	mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	12.8		mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	0.0062		mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 13:58	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG2038730-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Barium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Calcium, Total	ND		mg/l	0.100	0.0350	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Iron, Total	ND		mg/l	0.0500	0.0090	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Magnesium, Total	ND		mg/l	0.100	0.0153	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Potassium, Total	ND		mg/l	2.50	0.237	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Sodium, Total	ND		mg/l	2.00	0.120	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/11/25 04:33	03/11/25 09:05	19,200.7	DHL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-09 Batch: WG2039056-1										
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

Method Blank Analysis
Batch Quality Control

Barium, Dissolved	ND	mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Beryllium, Dissolved	ND	mg/l	0.0050	0.0009	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Cadmium, Dissolved	ND	mg/l	0.0050	0.0010	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Calcium, Dissolved	ND	mg/l	0.100	0.0350	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Chromium, Dissolved	ND	mg/l	0.0100	0.0021	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Cobalt, Dissolved	ND	mg/l	0.0200	0.0017	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Copper, Dissolved	ND	mg/l	0.0100	0.0022	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Iron, Dissolved	ND	mg/l	0.0500	0.0090	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Lead, Dissolved	ND	mg/l	0.0100	0.0027	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Magnesium, Dissolved	ND	mg/l	0.100	0.0153	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Manganese, Dissolved	ND	mg/l	0.0100	0.0016	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Nickel, Dissolved	ND	mg/l	0.0250	0.0024	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Potassium, Dissolved	ND	mg/l	2.50	0.237	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Selenium, Dissolved	ND	mg/l	0.0100	0.0035	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Silver, Dissolved	ND	mg/l	0.0070	0.0028	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Sodium, Dissolved	ND	mg/l	2.00	0.120	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Thallium, Dissolved	ND	mg/l	0.0200	0.0025	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Vanadium, Dissolved	ND	mg/l	0.0100	0.0020	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC
Zinc, Dissolved	ND	mg/l	0.0050	0.0021	1	03/11/25 13:26	03/12/25 14:23	19,200.7	DMC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-09 Batch: WG2039057-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 14:02	03/12/25 07:22	3,245.1	CME

Prep Information

Digestion Method: EPA 245.1

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG2039159-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 09:35	3,245.1	JWN

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2038730-2								
Aluminum, Total	102		-		85-115	-		
Antimony, Total	88		-		85-115	-		
Arsenic, Total	100		-		85-115	-		
Barium, Total	98		-		85-115	-		
Beryllium, Total	105		-		85-115	-		
Cadmium, Total	99		-		85-115	-		
Calcium, Total	101		-		85-115	-		
Chromium, Total	100		-		85-115	-		
Cobalt, Total	100		-		85-115	-		
Copper, Total	98		-		85-115	-		
Iron, Total	104		-		85-115	-		
Lead, Total	103		-		85-115	-		
Magnesium, Total	100		-		85-115	-		
Manganese, Total	101		-		85-115	-		
Nickel, Total	101		-		85-115	-		
Potassium, Total	106		-		85-115	-		
Selenium, Total	97		-		85-115	-		
Silver, Total	100		-		85-115	-		
Sodium, Total	106		-		85-115	-		
Thallium, Total	96		-		85-115	-		
Vanadium, Total	101		-		85-115	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2038730-2					
Zinc, Total	102	-	85-115	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2039056-2					
Aluminum, Dissolved	104	-	85-115	-	
Antimony, Dissolved	97	-	85-115	-	
Arsenic, Dissolved	93	-	85-115	-	
Barium, Dissolved	100	-	85-115	-	
Beryllium, Dissolved	108	-	85-115	-	
Cadmium, Dissolved	100	-	85-115	-	
Calcium, Dissolved	100	-	85-115	-	
Chromium, Dissolved	101	-	85-115	-	
Cobalt, Dissolved	100	-	85-115	-	
Copper, Dissolved	101	-	85-115	-	
Iron, Dissolved	106	-	85-115	-	
Lead, Dissolved	100	-	85-115	-	
Magnesium, Dissolved	102	-	85-115	-	
Manganese, Dissolved	106	-	85-115	-	
Nickel, Dissolved	103	-	85-115	-	
Potassium, Dissolved	105	-	85-115	-	
Selenium, Dissolved	88	-	85-115	-	
Silver, Dissolved	103	-	85-115	-	
Sodium, Dissolved	101	-	85-115	-	
Thallium, Dissolved	92	-	85-115	-	
Vanadium, Dissolved	102	-	85-115	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2039056-2					
Zinc, Dissolved	102	-	85-115	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2039057-2					
Mercury, Dissolved	96	-	85-115	-	
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG2039159-2					
Mercury, Total	90	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038730-3 WG2038730-4 QC Sample: L2512325-02 Client ID: MP-1D												
Aluminum, Total	0.270	2	2.47	110		2.58	116		75-125	4		20
Antimony, Total	ND	0.5	0.474	95		0.487	97		75-125	3		20
Arsenic, Total	ND	0.12	0.122	102		0.124	103		75-125	2		20
Barium, Total	0.0143	2	2.01	100		2.00	99		75-125	0		20
Beryllium, Total	ND	0.05	0.0533	107		0.0529	106		75-125	1		20
Cadmium, Total	ND	0.053	0.0527	99		0.0526	99		75-125	0		20
Calcium, Total	18.3	10	27.8	95		28.0	97		75-125	1		20
Chromium, Total	0.0091J	0.2	0.209	104		0.209	104		75-125	0		20
Cobalt, Total	ND	0.5	0.503	101		0.501	100		75-125	0		20
Copper, Total	0.0051J	0.25	0.256	102		0.259	104		75-125	1		20
Iron, Total	0.269	1	1.27	100		1.32	105		75-125	4		20
Lead, Total	ND	0.53	0.550	104		0.549	104		75-125	0		20
Magnesium, Total	8.72	10	18.5	98		18.6	99		75-125	1		20
Manganese, Total	0.0056J	0.5	0.518	104		0.518	104		75-125	0		20
Nickel, Total	0.0086J	0.5	0.508	102		0.506	101		75-125	0		20
Potassium, Total	1.51J	10	12.3	123		12.3	123		75-125	0		20
Selenium, Total	ND	0.12	0.122	102		0.122	102		75-125	0		20
Silver, Total	0.0066J	0.05	0.0573	115		0.0606	121		75-125	6		20
Sodium, Total	13.9	10	24.4	105		24.4	105		75-125	0		20
Thallium, Total	ND	0.12	0.117	98		0.119	99		75-125	2		20
Vanadium, Total	ND	0.5	0.512	102		0.510	102		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038730-3 WG2038730-4 QC Sample: L2512325-02 Client ID: MP-1D									
Zinc, Total	0.0077	0.5	0.517	102	0.515	101	75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038730-7 QC Sample: L2512325-03 Client ID: PZ-5									
Aluminum, Total	0.518	2	2.65	107	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.450	90	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.121	101	-	-	75-125	-	20
Barium, Total	0.0236	2	2.00	99	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0532	106	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.0520	98	-	-	75-125	-	20
Calcium, Total	25.6	10	35.8	102	-	-	75-125	-	20
Chromium, Total	0.0040J	0.2	0.201	100	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.492	98	-	-	75-125	-	20
Copper, Total	0.0036J	0.25	0.252	101	-	-	75-125	-	20
Iron, Total	0.623	1	1.65	103	-	-	75-125	-	20
Lead, Total	ND	0.53	0.537	101	-	-	75-125	-	20
Magnesium, Total	8.40	10	18.2	98	-	-	75-125	-	20
Manganese, Total	0.0412	0.5	0.556	103	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.494	99	-	-	75-125	-	20
Potassium, Total	1.16J	10	12.1	121	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.121	101	-	-	75-125	-	20
Silver, Total	0.0032J	0.05	0.0539	108	-	-	75-125	-	20
Sodium, Total	2.65	10	13.6	110	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.117	98	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.506	101	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038730-7 QC Sample: L2512325-03 Client ID: PZ-5									
Zinc, Total	0.0050	0.5	0.508	100	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2039056-3 WG2039056-4 QC Sample: L2512325-02 Client ID: MP-1D									
Aluminum, Dissolved	ND	2	2.07	104	1.90	95	75-125	9	20
Antimony, Dissolved	ND	0.5	0.482	96	0.484	97	75-125	0	20
Arsenic, Dissolved	ND	0.12	0.111	92	0.108	90	75-125	3	20
Barium, Dissolved	0.0127	2	2.00	99	1.84	91	75-125	8	20
Beryllium, Dissolved	ND	0.05	0.0522	104	0.0480	96	75-125	8	20
Cadmium, Dissolved	ND	0.053	0.0534	101	0.0525	99	75-125	2	20
Calcium, Dissolved	17.3	10	27.6	103	25.8	85	75-125	7	20
Chromium, Dissolved	ND	0.2	0.205	102	0.202	101	75-125	1	20
Cobalt, Dissolved	ND	0.5	0.500	100	0.491	98	75-125	2	20
Copper, Dissolved	ND	0.25	0.255	102	0.251	100	75-125	2	20
Iron, Dissolved	0.0122J	1	1.07	107	0.988	99	75-125	8	20
Lead, Dissolved	ND	0.53	0.518	98	0.508	96	75-125	2	20
Magnesium, Dissolved	8.69	10	18.4	97	18.2	95	75-125	1	20
Manganese, Dissolved	0.0030J	0.5	0.520	104	0.479	96	75-125	8	20
Nickel, Dissolved	ND	0.5	0.500	100	0.490	98	75-125	2	20
Potassium, Dissolved	1.30J	10	11.8	118	10.8	108	75-125	9	20
Selenium, Dissolved	ND	0.12	0.107	89	0.108	90	75-125	1	20
Silver, Dissolved	ND	0.05	0.0509	102	0.0498	100	75-125	2	20
Sodium, Dissolved	12.6	10	23.2	106	21.6	90	75-125	7	20
Thallium, Dissolved	ND	0.12	0.111	92	0.109	91	75-125	2	20
Vanadium, Dissolved	ND	0.5	0.505	101	0.498	100	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2039056-3 WG2039056-4 QC Sample: L2512325-02 Client ID: MP-1D									
Zinc, Dissolved	0.0042J	0.5	0.513	103	0.503	101	75-125	2	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2039057-3 WG2039057-4 QC Sample: L2512325-02 Client ID: MP-1D									
Mercury, Dissolved	0.00047	0.005	0.00520	95	0.00516	94	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2039159-3 WG2039159-4 QC Sample: L2512325-02 Client ID: MP-1D									
Mercury, Total	0.00104	0.005	0.00537	87	0.00546	88	70-130	2	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038730-8 QC Sample: L2512325-03 Client ID: PZ-5						
Aluminum, Total	0.518	0.520	mg/l	0		20
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	0.0236	0.0240	mg/l	2		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	25.6	25.9	mg/l	1		20
Chromium, Total	0.0040J	0.0042J	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	0.0036J	0.0040J	mg/l	NC		20
Iron, Total	0.623	0.621	mg/l	0		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	8.40	8.52	mg/l	1		20
Manganese, Total	0.0412	0.0418	mg/l	1		20
Nickel, Total	ND	0.0030J	mg/l	NC		20
Potassium, Total	1.16J	1.15J	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	0.0032J	0.0032J	mg/l	NC		20
Sodium, Total	2.65	2.67	mg/l	1		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS

Project Number: 2232.0006Y005

Lab Number: L2512325

Report Date: 04/07/25

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038730-8 QC Sample: L2512325-03 Client ID: PZ-5						
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.0050	0.0073	mg/l	**36**	Q	20

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038730-10 QC Sample: L2512325-03 Client ID: PZ-5						
Calcium, Total	25.6	25.0	mg/l	2		20
Magnesium, Total	8.40	8.08	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG2038730-6 QC Sample: L2512325-02 Client ID: MP-1D						
Calcium, Total	18.3	18.1	mg/l	1		20
Magnesium, Total	8.72	8.56	mg/l	2		20

INORGANICS
&
MISCELLANEOUS

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-01
Client ID: MP-1
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/05/25 10:30
Date Received: 03/05/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 07:52	121,2320B	MRM
Alkalinity, Bicarbonate	65.1		mg CaCO3/L	2.00	NA	1	-	03/10/25 07:52	121,2320B	MRM
Solids, Total Dissolved	130		mg/l	13	4.0	1.3	-	03/08/25 21:24	121,2540C	REM
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
Chloride	20.		mg/l	1.0	0.89	1	-	03/10/25 14:06	121,4500CL-E	JER
Fluoride	0.08	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/07/25 04:10	121,4500NO3-F	KAF
Nitrogen, Nitrate	1.42		mg/l	0.100	0.022	1	-	03/07/25 04:10	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	1.4		mg/l	0.10	0.046	1	-	03/07/25 04:10	121,4500NO3-F	KAF
Total Nitrogen	1.4		mg/l	0.30	0.30	1	-	03/12/25 16:25	107,-	JRO
Nitrogen, Total Kjeldahl	0.162	J	mg/l	0.300	0.066	1	03/11/25 14:45	03/11/25 18:53	4,351.1	AT
Phosphate, Total	0.107		mg/l	0.031	0.012	1	03/11/25 08:34	03/11/25 15:50	121,4500P-E(M)	MEF
Sulfate	16.		mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.048	J	mg/l	0.050	0.013	1	-	03/10/25 21:13	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-02
Client ID: MP-1D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/05/25 09:15
Date Received: 03/05/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 07:55	121,2320B	MRM
Alkalinity, Bicarbonate	52.7		mg CaCO3/L	2.00	NA	1	-	03/10/25 07:55	121,2320B	MRM
Solids, Total Dissolved	140		mg/l	13	4.0	1.3	-	03/08/25 21:24	121,2540C	REM
Solids, Total Suspended	9.2		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
Chloride	13.		mg/l	1.0	0.89	1	-	03/10/25 14:07	121,4500CL-E	JER
Fluoride	0.05	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/07/25 04:11	121,4500NO3-F	KAF
Nitrogen, Nitrate	0.628		mg/l	0.100	0.022	1	-	03/07/25 04:11	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	0.63		mg/l	0.10	0.046	1	-	03/07/25 04:11	121,4500NO3-F	KAF
Total Nitrogen	0.63		mg/l	0.30	0.30	1	-	03/12/25 16:25	107,-	JRO
Nitrogen, Total Kjeldahl	0.108	J	mg/l	0.300	0.066	1	03/11/25 14:45	03/11/25 18:54	4,351.1	AT
Phosphate, Total	0.132		mg/l	0.031	0.012	1	03/12/25 09:41	03/12/25 14:24	121,4500P-E(M)	MEF
Sulfate	35.		mg/l	20	2.7	2	03/11/25 14:20	03/11/25 14:20	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.065		mg/l	0.050	0.013	1	-	03/10/25 21:25	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-03
Client ID: PZ-5
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/05/25 14:38
Date Received: 03/05/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:00	121,2320B	MRM
Alkalinity, Bicarbonate	84.5		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:00	121,2320B	MRM
Solids, Total Dissolved	120		mg/l	13	4.0	1.3	-	03/08/25 21:24	121,2540C	REM
Solids, Total Suspended	110		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
Chloride	3.2		mg/l	1.0	0.89	1	-	03/10/25 14:09	121,4500CL-E	JER
Fluoride	0.04	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/07/25 04:17	121,4500NO3-F	KAF
Nitrogen, Nitrate	1.20		mg/l	0.100	0.022	1	-	03/07/25 04:17	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	1.2		mg/l	0.10	0.046	1	-	03/07/25 04:17	121,4500NO3-F	KAF
Total Nitrogen	1.2		mg/l	0.30	0.30	1	-	03/12/25 16:25	107,-	JRO
Nitrogen, Total Kjeldahl	0.082	J	mg/l	0.300	0.066	1	03/11/25 14:45	03/11/25 18:57	4,351.1	AT
Phosphate, Total	0.203		mg/l	0.031	0.012	1	03/13/25 11:26	03/13/25 14:46	121,4500P-E(M)	EYA
Sulfate	9.8	J	mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.040	J	mg/l	0.050	0.013	1	-	03/10/25 21:37	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-04
Client ID: PZ-6
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/05/25 09:55
Date Received: 03/05/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:03	121,2320B	MRM
Alkalinity, Bicarbonate	180.		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:03	121,2320B	MRM
Solids, Total Dissolved	240		mg/l	13	4.0	1.3	-	03/08/25 21:24	121,2540C	REM
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
Chloride	18.		mg/l	1.0	0.89	1	-	03/10/25 14:10	121,4500CL-E	JER
Fluoride	0.12	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/07/25 04:18	121,4500NO3-F	KAF
Nitrogen, Nitrate	0.650		mg/l	0.100	0.022	1	-	03/07/25 04:18	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	0.65		mg/l	0.10	0.046	1	-	03/07/25 04:18	121,4500NO3-F	KAF
Total Nitrogen	1.1		mg/l	0.30	0.30	1	-	03/12/25 16:25	107,-	JRO
Nitrogen, Total Kjeldahl	0.449		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:38	4,351.1	KEM
Phosphate, Total	0.203		mg/l	0.031	0.012	1	03/11/25 08:34	03/11/25 15:51	121,4500P-E(M)	MEF
Sulfate	33.		mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.013	1	-	03/10/25 21:49	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-05
Client ID: MW-5D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/05/25 13:30
Date Received: 03/05/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:08	121,2320B	MRM
Alkalinity, Bicarbonate	30.7		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:08	121,2320B	MRM
Solids, Total Dissolved	160		mg/l	13	4.0	1.3	-	03/08/25 21:24	121,2540C	REM
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
Chloride	27.		mg/l	1.0	0.89	1	-	03/10/25 15:42	121,4500CL-E	JER
Fluoride	0.04	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/07/25 04:19	121,4500NO3-F	KAF
Nitrogen, Nitrate	6.81		mg/l	0.100	0.022	1	-	03/07/25 04:19	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	6.8		mg/l	0.10	0.046	1	-	03/07/25 04:19	121,4500NO3-F	KAF
Total Nitrogen	6.8		mg/l	0.30	0.30	1	-	03/12/25 16:25	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:38	4,351.1	KEM
Phosphate, Total	0.025	J	mg/l	0.031	0.012	1	03/11/25 08:34	03/11/25 15:52	121,4500P-E(M)	MEF
Sulfate	15.		mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.067		mg/l	0.050	0.013	1	-	03/10/25 22:01	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-06
Client ID: MW-6D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/05/25 11:30
Date Received: 03/05/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:10	121,2320B	MRM
Alkalinity, Bicarbonate	40.1		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:10	121,2320B	MRM
Solids, Total Dissolved	110		mg/l	13	4.0	1.3	-	03/08/25 21:24	121,2540C	REM
Solids, Total Suspended	8.8		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
Chloride	17.		mg/l	1.0	0.89	1	-	03/10/25 14:14	121,4500CL-E	JER
Fluoride	0.05	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/07/25 04:24	121,4500NO3-F	KAF
Nitrogen, Nitrate	1.86		mg/l	0.100	0.022	1	-	03/07/25 04:24	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	1.9		mg/l	0.10	0.046	1	-	03/07/25 04:24	121,4500NO3-F	KAF
Total Nitrogen	1.9		mg/l	0.30	0.30	1	-	03/12/25 16:25	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:42	4,351.1	KEM
Phosphate, Total	0.058		mg/l	0.031	0.012	1	03/11/25 08:34	03/11/25 15:53	121,4500P-E(M)	MEF
Sulfate	17.		mg/l	10	1.4	1	03/11/25 14:20	03/11/25 14:20	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.049	J	mg/l	0.050	0.013	1	-	03/10/25 22:13	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-07
Client ID: MW-8S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/05/25 13:00
Date Received: 03/05/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:12	121,2320B	MRM
Alkalinity, Bicarbonate	24.4		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:12	121,2320B	MRM
Solids, Total Dissolved	92.		mg/l	13	4.0	1.3	-	03/08/25 21:24	121,2540C	REM
Solids, Total Suspended	160		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
Chloride	12.		mg/l	1.0	0.89	1	-	03/10/25 14:15	121,4500CL-E	JER
Fluoride	0.03	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/07/25 04:25	121,4500NO3-F	KAF
Nitrogen, Nitrate	2.46		mg/l	0.100	0.022	1	-	03/07/25 04:25	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	2.4		mg/l	0.10	0.046	1	-	03/07/25 04:25	121,4500NO3-F	KAF
Total Nitrogen	2.4		mg/l	0.30	0.30	1	-	03/12/25 16:25	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:43	4,351.1	KEM
Phosphate, Total	0.242		mg/l	0.031	0.012	1	03/11/25 08:34	03/11/25 15:54	121,4500P-E(M)	MEF
Sulfate	21.		mg/l	10	1.4	1	03/11/25 14:20	03/11/25 14:20	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.066		mg/l	0.050	0.013	1	-	03/10/25 22:25	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-08
Client ID: MW-8D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/05/25 14:08
Date Received: 03/05/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:14	121,2320B	MRM
Alkalinity, Bicarbonate	22.2		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:14	121,2320B	MRM
Solids, Total Dissolved	120		mg/l	13	4.0	1.3	-	03/08/25 21:24	121,2540C	REM
Solids, Total Suspended	24.		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
Chloride	29.		mg/l	1.0	0.89	1	-	03/10/25 14:16	121,4500CL-E	JER
Fluoride	0.03	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/07/25 04:26	121,4500NO3-F	KAF
Nitrogen, Nitrate	4.22		mg/l	0.100	0.022	1	-	03/07/25 04:26	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	4.2		mg/l	0.10	0.046	1	-	03/07/25 04:26	121,4500NO3-F	KAF
Total Nitrogen	4.2		mg/l	0.30	0.30	1	-	03/12/25 16:25	107,-	JRO
Nitrogen, Total Kjeldahl	0.104	J	mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:44	4,351.1	KEM
Phosphate, Total	0.028	J	mg/l	0.031	0.012	1	03/11/25 08:34	03/11/25 15:55	121,4500P-E(M)	MEF
Sulfate	14.		mg/l	10	1.4	1	03/11/25 14:20	03/11/25 14:20	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.053		mg/l	0.050	0.013	1	-	03/10/25 23:13	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

SAMPLE RESULTS

Lab ID: L2512325-09
Client ID: DUP-03052025
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/05/25 12:00
Date Received: 03/05/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:15	121,2320B	MRM
Alkalinity, Bicarbonate	51.6		mg CaCO3/L	2.00	NA	1	-	03/10/25 08:15	121,2320B	MRM
Solids, Total Dissolved	150		mg/l	13	4.0	1.3	-	03/08/25 21:24	121,2540C	REM
Solids, Total Suspended	17.		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
Chloride	13.		mg/l	1.0	0.89	1	-	03/10/25 14:17	121,4500CL-E	JER
Fluoride	0.05	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/07/25 04:27	121,4500NO3-F	KAF
Nitrogen, Nitrate	0.614		mg/l	0.100	0.022	1	-	03/07/25 04:27	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	0.61		mg/l	0.10	0.046	1	-	03/07/25 04:27	121,4500NO3-F	KAF
Total Nitrogen	0.61		mg/l	0.30	0.30	1	-	03/12/25 16:25	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:45	4,351.1	KEM
Phosphate, Total	0.101		mg/l	0.031	0.012	1	03/11/25 08:34	03/11/25 15:56	121,4500P-E(M)	MEF
Sulfate	40.		mg/l	10	1.4	1	03/11/25 14:20	03/11/25 14:20	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.065		mg/l	0.050	0.013	1	-	03/10/25 23:26	44,300.0	AVT

Project Name: CORAM MATERIALS **Lab Number:** L2512325

Project Number: 2232.0006Y005 **Report Date:** 04/07/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037582-1										
Nitrogen, Nitrite	0.014	J	mg/l	0.050	0.013	1	-	03/07/25 03:14	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037588-1										
Nitrogen, Nitrate	ND		mg/l	0.100	0.022	1	-	03/07/25 03:26	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2037593-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	03/07/25 03:26	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2038004-1										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 07:37	121,2320B	MRM
Alkalinity, Bicarbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/10/25 07:37	121,2320B	MRM
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2038203-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	03/08/25 21:24	121,2540C	REM
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2038214-1										
Fluoride	ND		mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2038276-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/09/25 11:53	121,2540D	BAY
General Chemistry - Westborough Lab for sample(s): 01,03-05 Batch: WG2038583-1										
Sulfate	2.0	J	mg/l	10	1.4	1	03/10/25 12:50	03/10/25 12:50	121,4500SO4-E	MRW
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG2038586-1										
Chloride	ND		mg/l	1.0	0.89	1	-	03/10/25 13:57	121,4500CL-E	JER
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-09 Batch: WG2038791-1										
Bromide	ND		mg/l	0.050	0.013	1	-	03/10/25 16:46	44,300.0	AVT
General Chemistry - Westborough Lab for sample(s): 01,04-09 Batch: WG2038925-1										
Phosphate, Total	0.018	J	mg/l	0.031	0.012	1	03/11/25 08:34	03/11/25 15:48	121,4500P-E(M)	MEF
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG2039027-1										
Nitrogen, Total Kjeldahl	0.111	J	mg/l	0.300	0.022	1	03/11/25 14:45	03/11/25 18:50	4,351.1	AT
General Chemistry - Westborough Lab for sample(s): 02,06-09 Batch: WG2039177-1										
Sulfate	2.2	J	mg/l	10	1.4	1	03/11/25 14:20	03/11/25 14:20	121,4500SO4-E	MRW
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG2039197-1										
Phosphate, Total	0.018	J	mg/l	0.031	0.012	1	03/12/25 09:41	03/12/25 14:22	121,4500P-E(M)	MEF

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 04-09 Batch: WG2039229-1										
Nitrogen, Total Kjeldahl	0.109	J	mg/l	0.300	0.022	1	03/11/25 19:05	03/12/25 09:33	4,351.1	KEM
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG2040007-1										
Phosphate, Total	ND		mg/l	0.031	0.012	1	03/13/25 11:26	03/13/25 14:18	121,4500P-E(M)	EYA

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037582-2								
Nitrogen, Nitrite	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037588-2								
Nitrogen, Nitrate	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2037593-2								
Nitrogen, Nitrate/Nitrite	102		-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2038203-2								
Solids, Total Dissolved	93		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2038214-2								
Fluoride	91		-		78-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2038276-2								
Solids, Total Suspended	91		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01,03-05 Batch: WG2038583-2								
Sulfate	100		-		90-110	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG2038586-2					
Chloride	93	-	90-110	-	
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-09 Batch: WG2038791-2					
Bromide	95	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01,04-09 Batch: WG2038925-2					
Phosphate, Total	101	-	84-118	-	
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG2039027-2					
Nitrogen, Total Kjeldahl	102	-	78-122	-	
General Chemistry - Westborough Lab Associated sample(s): 02,06-09 Batch: WG2039177-2					
Sulfate	95	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG2039197-2					
Phosphate, Total	93	-	84-118	-	
General Chemistry - Westborough Lab Associated sample(s): 04-09 Batch: WG2039229-2					
Nitrogen, Total Kjeldahl	95	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG2040007-2					
Phosphate, Total	101	-	84-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037582-4 QC Sample: L2512325-02 Client ID: MP-1D												
Nitrogen, Nitrite	ND	4	3.58	90		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037588-4 QC Sample: L2512325-02 Client ID: MP-1D												
Nitrogen, Nitrate	0.628	4	4.65	100		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037593-4 QC Sample: L2512325-02 Client ID: MP-1D												
Nitrogen, Nitrate/Nitrite	0.63	4	4.6	99		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038214-4 QC Sample: L2512325-02 Client ID: MP-1D												
Fluoride	0.05J	1	0.97	97		-	-		69-124	-		13
General Chemistry - Westborough Lab Associated sample(s): 01,03-05 QC Batch ID: WG2038583-4 QC Sample: L2511944-06 Client ID: MS Sample												
Sulfate	9.1J	40	56	140		-	-		55-147	-		14
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038586-4 QC Sample: L2512325-02 Client ID: MP-1D												
Chloride	13.	20	33	100		-	-		58-140	-		7
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038791-3 WG2038791-4 QC Sample: L2512325-02 Client ID: MP-1D												
Bromide	0.065	0.4	0.373	**76**	Q	0.372	**76**	Q	90-110	0		20
General Chemistry - Westborough Lab Associated sample(s): 01,04-09 QC Batch ID: WG2038925-4 QC Sample: L2512368-10 Client ID: MS Sample												
Phosphate, Total	0.040	1.53	1.58	101		-	-		80-120	-		15
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG2039027-4 QC Sample: L2512325-02 Client ID: MP-1D												
Nitrogen, Total Kjeldahl	0.108J	8	9.28	**116**	Q	-	-		77-111	-		24

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,06-09 QC Batch ID: WG2039177-4 QC Sample: L2512325-02 Client ID: MP-1D									
Sulfate	35.	100	140	102	-	-	55-147	-	14
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG2039197-4 QC Sample: L2512325-02 Client ID: MP-1D									
Phosphate, Total	0.132	1.53	1.66	100	-	-	80-120	-	15
General Chemistry - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG2039229-4 QC Sample: L2512607-05 Client ID: MS Sample									
Nitrogen, Total Kjeldahl	ND	8	7.84	98	-	-	77-111	-	24
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG2040007-4 QC Sample: L2512607-06 Client ID: MS Sample									
Phosphate, Total	ND	1.53	1.60	104	-	-	80-120	-	15

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037582-3 QC Sample: L2512325-02 Client ID: MP-1D						
Nitrogen, Nitrite	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037588-3 QC Sample: L2512325-02 Client ID: MP-1D						
Nitrogen, Nitrate	0.628	0.626	mg/l	0		17
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2037593-3 QC Sample: L2512325-02 Client ID: MP-1D						
Nitrogen, Nitrate/Nitrite	0.63	0.63	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038004-3 QC Sample: L2512325-02 Client ID: MP-1D						
Alkalinity, Carbonate	ND	ND	mg CaCO3/L	NC		10
Alkalinity, Bicarbonate	52.7	51.7	mg CaCO3/L	2		9
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038203-3 QC Sample: L2512325-01 Client ID: MP-1						
Solids, Total Dissolved	130	130	mg/l	0		10
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038203-4 QC Sample: L2512325-02 Client ID: MP-1D						
Solids, Total Dissolved	140	130	mg/l	7		10
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038214-3 QC Sample: L2512325-02 Client ID: MP-1D						
Fluoride	0.05J	0.06J	mg/l	NC		13
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038276-3 QC Sample: L2512325-02 Client ID: MP-1D						
Solids, Total Suspended	9.2	12	mg/l	26		32

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038276-4 QC Sample: L2513007-02 Client ID: DUP Sample					
Solids, Total Suspended	180	180	mg/l	0	32
General Chemistry - Westborough Lab Associated sample(s): 01,03-05 QC Batch ID: WG2038583-3 QC Sample: L2511944-06 Client ID: DUP Sample					
Sulfate	9.1J	9.8J	mg/l	NC	14
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG2038586-3 QC Sample: L2512325-02 Client ID: MP-1D					
Chloride	13.	14	mg/l	7	7
General Chemistry - Westborough Lab Associated sample(s): 01,04-09 QC Batch ID: WG2038925-3 QC Sample: L2512368-10 Client ID: DUP Sample					
Phosphate, Total	0.040	0.043	mg/l	7	15
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG2039027-3 QC Sample: L2512325-02 Client ID: MP-1D					
Nitrogen, Total Kjeldahl	0.108J	0.299J	mg/l	NC	24
General Chemistry - Westborough Lab Associated sample(s): 02,06-09 QC Batch ID: WG2039177-3 QC Sample: L2512325-02 Client ID: MP-1D					
Sulfate	35.	37	mg/l	6	14
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG2039197-3 QC Sample: L2512325-02 Client ID: MP-1D					
Phosphate, Total	0.132	0.120	mg/l	10	15
General Chemistry - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG2039229-3 QC Sample: L2512607-05 Client ID: DUP Sample					
Nitrogen, Total Kjeldahl	ND	ND	mg/l	NC	24
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG2040007-3 QC Sample: L2512607-06 Client ID: DUP Sample					
Phosphate, Total	ND	ND	mg/l	NC	15

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent
F	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-01A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-01B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-01C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-01D	Amber 100ml unpreserved	D	7	7	4.4	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-01E	Amber 100ml unpreserved	D	7	7	4.4	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-01F	Plastic 250ml HNO3 preserved	D	<2	<2	4.4	Y	Absent		ZN-RI(180),FE-RI(180),BE-RI(180),K-RI(180),SE-RI(180),MG-RI(180),AL-RI(180),TL-RI(180),MN-RI(180),CU-RI(180),SB-RI(180),CO-RI(180),BA-RI(180),CA-RI(180),AG-RI(180),CR-RI(180),HG-R(28),NI-RI(180),AS-RI(180),CD-RI(180),PB-RI(180),V-RI(180),NA-RI(180)
L2512325-01G	Plastic 250ml HNO3 preserved	D	<2	<2	4.4	Y	Absent		SB-UI(180),NI-UI(180),BA-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),K-UI(180),CO-UI(180),FE-UI(180),SE-UI(180),MG-UI(180),HG-U(28),CD-UI(180),NA-UI(180),BE-UI(180),MN-UI(180),AL-UI(180),CR-UI(180),PB-UI(180),CU-UI(180),V-UI(180),AS-UI(180),TL-UI(180)
L2512325-01H	Plastic 250ml unpreserved/No Headspace	D	NA		4.4	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-01J	Plastic 250ml unpreserved	D	7	7	4.4	Y	Absent		SUB-IODIDE(7)
L2512325-01K	Plastic 500ml H2SO4 preserved	D	<2	<2	4.4	Y	Absent		SUB-AMMONIUM(28)
L2512325-01L	Amber 950ml H2SO4 preserved	D	<2	<2	4.4	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-01M	Plastic 950ml unpreserved	D	7	7	4.4	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512325-01N	Plastic 950ml unpreserved	D	7	7	4.4	Y	Absent		TSS-2540(7)
L2512325-02A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-02A1	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-02A2	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-02B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-02B1	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-02B2	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-02C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14),ARCHIVE()
L2512325-02C1	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-02C2	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14),ARCHIVE()
L2512325-02D	Amber 100ml unpreserved	F	7	7	3.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-02D1	Amber 100ml unpreserved	F	7	7	3.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-02D2	Amber 100ml unpreserved	F	7	7	3.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-02E	Amber 100ml unpreserved	F	7	7	3.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-02E1	Amber 100ml unpreserved	F	7	7	3.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-02E2	Amber 100ml unpreserved	F	7	7	3.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-02F	Plastic 250ml HNO3 preserved	B	<2	<2	2.9	Y	Absent		ZN-RI(180),FE-RI(180),SE-RI(180),BE-RI(180),K-RI(180),AL-RI(180),MG-RI(180),TL-RI(180),MN-RI(180),CU-RI(180),CO-RI(180),SB-RI(180),CA-RI(180),BA-RI(180),NI-RI(180),CR-RI(180),AG-RI(180),HG-R(28),NA-RI(180),PB-RI(180),AS-RI(180),V-RI(180),CD-RI(180)
L2512325-02F1	Plastic 250ml HNO3 preserved	B	<2	<2	2.9	Y	Absent		ZN-RI(180),FE-RI(180),SE-RI(180),BE-RI(180),K-RI(180),AL-RI(180),MG-RI(180),TL-RI(180),MN-RI(180),CU-RI(180),CO-RI(180),SB-RI(180),CA-RI(180),BA-RI(180),NI-RI(180),CR-RI(180),AG-RI(180),HG-R(28),NA-RI(180),PB-RI(180),AS-RI(180),V-RI(180),CD-RI(180)
L2512325-02F2	Plastic 250ml HNO3 preserved	B	<2	<2	2.9	Y	Absent		ZN-RI(180),FE-RI(180),SE-RI(180),BE-RI(180),K-RI(180),AL-RI(180),MG-RI(180),TL-RI(180),MN-RI(180),CU-RI(180),CO-RI(180),SB-RI(180),CA-RI(180),BA-RI(180),NI-RI(180),CR-RI(180),AG-RI(180),HG-R(28),NA-RI(180),PB-RI(180),AS-RI(180),V-RI(180),CD-RI(180)
L2512325-02G	Plastic 250ml HNO3 preserved	F	<2	<2	3.8	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),CA-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),NA-UI(180),AL-UI(180),BE-UI(180),MN-UI(180),CU-UI(180),PB-UI(180),AS-UI(180),TL-UI(180),V-UI(180)
L2512325-02G1	Plastic 250ml HNO3 preserved	F	<2	<2	3.8	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),CA-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),NA-UI(180),AL-UI(180),BE-UI(180),MN-UI(180),CU-UI(180),PB-UI(180),AS-UI(180),TL-UI(180),V-UI(180)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-02G2	Plastic 250ml HNO3 preserved	F	<2	<2	3.8	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),CA-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),NA-UI(180),AL-UI(180),BE-UI(180),MN-UI(180),CU-UI(180),PB-UI(180),AS-UI(180),TL-UI(180),V-UI(180)
L2512325-02H	Plastic 250ml unpreserved/No Headspace	F	NA		3.8	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512325-02H1	Plastic 250ml unpreserved/No Headspace	F	NA		3.8	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512325-02H2	Plastic 250ml unpreserved/No Headspace	F	NA		3.8	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512325-02J	Plastic 250ml unpreserved	E	7	7	4.8	Y	Absent		SUB-IODIDE(7)
L2512325-02J1	Plastic 250ml unpreserved	F	7	7	3.8	Y	Absent		SUB-IODIDE(7)
L2512325-02J2	Plastic 250ml unpreserved	F	7	7	3.8	Y	Absent		SUB-IODIDE(7)
L2512325-02K	Plastic 500ml H2SO4 preserved	E	<2	<2	4.8	Y	Absent		SUB-AMMONIUM(28)
L2512325-02K1	Plastic 500ml H2SO4 preserved	F	<2	<2	3.8	Y	Absent		SUB-AMMONIUM(28)
L2512325-02K2	Plastic 500ml H2SO4 preserved	F	<2	<2	3.8	Y	Absent		SUB-AMMONIUM(28)
L2512325-02L	Amber 950ml H2SO4 preserved	E	<2	<2	4.8	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-02L1	Amber 950ml H2SO4 preserved	E	<2	<2	4.8	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-02L2	Amber 950ml H2SO4 preserved	E	<2	<2	4.8	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-02M	Plastic 950ml unpreserved	E	7	7	4.8	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2512325-02M1	Plastic 950ml unpreserved	E	7	7	4.8	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2512325-02M2	Plastic 950ml unpreserved	E	7	7	4.8	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2512325-02N	Plastic 950ml unpreserved	F	7	7	3.8	Y	Absent		TSS-2540(7)
L2512325-02N1	Plastic 950ml unpreserved	F	7	7	3.8	Y	Absent		TSS-2540(7)
L2512325-02N2	Plastic 950ml unpreserved	F	7	7	3.8	Y	Absent		TSS-2540(7)
L2512325-03A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-03B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-03C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-03D	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-03E	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-03F	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		FE-RI(180),ZN-RI(180),SE-RI(180),BE-RI(180),K-RI(180),MG-RI(180),AL-RI(180),TL-RI(180),MN-RI(180),CO-RI(180),CU-RI(180),SB-RI(180),CA-RI(180),BA-RI(180),CR-RI(180),HG-R(28),NI-RI(180),AG-RI(180),PB-RI(180),CD-RI(180),NA-RI(180),AS-RI(180),V-RI(180)
L2512325-03G	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		NI-UI(180),BA-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),CA-UI(180),K-UI(180),CO-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),MN-UI(180),BE-UI(180),CR-UI(180),AL-UI(180),NA-UI(180),CU-UI(180),PB-UI(180),V-UI(180),AS-UI(180),TL-UI(180)
L2512325-03H	Plastic 250ml unpreserved/No Headspace	C	NA		4.2	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512325-03J	Plastic 250ml unpreserved	C	7	7	4.2	Y	Absent		SUB-IODIDE(7)
L2512325-03K	Plastic 500ml H2SO4 preserved	C	<2	<2	4.2	Y	Absent		SUB-AMMONIUM(28)
L2512325-03L	Amber 950ml H2SO4 preserved	C	<2	<2	4.2	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-03M	Plastic 950ml unpreserved	C	7	7	4.2	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2512325-03N	Plastic 950ml unpreserved	C	7	7	4.2	Y	Absent		TSS-2540(7)
L2512325-04A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-04B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-04C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-04D	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-04E	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-04F	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		ZN-RI(180),FE-RI(180),K-RI(180),BE-RI(180),SE-RI(180),MG-RI(180),AL-RI(180),TL-RI(180),MN-RI(180),CU-RI(180),SB-RI(180),CO-RI(180),CA-RI(180),BA-RI(180),AG-RI(180),CR-RI(180),NI-RI(180),HG-R(28),PB-RI(180),NA-RI(180),CD-RI(180),AS-RI(180),V-RI(180)
L2512325-04G	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),K-UI(180),CO-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),NA-UI(180),AL-UI(180),MN-UI(180),V-UI(180),CU-UI(180),TL-UI(180),PB-UI(180),AS-UI(180)
L2512325-04H	Plastic 250ml unpreserved/No Headspace	A	NA		2.7	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512325-04J	Plastic 250ml unpreserved	A	7	7	2.7	Y	Absent		SUB-IODIDE(7)
L2512325-04K	Plastic 500ml H2SO4 preserved	A	<2	<2	2.7	Y	Absent		SUB-AMMONIUM(28)
L2512325-04L	Amber 950ml H2SO4 preserved	A	<2	<2	2.7	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-04M	Plastic 950ml unpreserved	A	7	7	2.7	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512325-04N	Plastic 950ml unpreserved	A	7	7	2.7	Y	Absent		TSS-2540(7)
L2512325-05A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-05B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-05C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-05D	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-05E	Amber 100ml unpreserved	C	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-05F	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		FE-RI(180),ZN-RI(180),K-RI(180),BE-RI(180),SE-RI(180),AL-RI(180),MG-RI(180),TL-RI(180),MN-RI(180),SB-RI(180),CO-RI(180),CU-RI(180),CA-RI(180),BA-RI(180),NI-RI(180),AG-RI(180),CR-RI(180),HG-R(28),CD-RI(180),NA-RI(180),V-RI(180),AS-RI(180),PB-RI(180)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-05G	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		NI-UI(180),SB-UI(180),BA-UI(180),ZN-UI(180),CA-UI(180),AG-UI(180),CO-UI(180),K-UI(180),MG-UI(180),SE-UI(180),FE-UI(180),HG-U(28),CD-UI(180),MN-UI(180),BE-UI(180),NA-UI(180),CR-UI(180),AL-UI(180),AS-UI(180),PB-UI(180),TL-UI(180),CU-UI(180),V-UI(180)
L2512325-05H	Plastic 250ml unpreserved/No Headspace	C	NA		4.2	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512325-05J	Plastic 250ml unpreserved	C	7	7	4.2	Y	Absent		SUB-IODIDE(7)
L2512325-05K	Plastic 500ml H2SO4 preserved	C	<2	<2	4.2	Y	Absent		SUB-AMMONIUM(28)
L2512325-05L	Amber 950ml H2SO4 preserved	C	<2	<2	4.2	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-05M	Plastic 950ml unpreserved	C	7	7	4.2	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512325-05N	Plastic 950ml unpreserved	C	7	7	4.2	Y	Absent		TSS-2540(7)
L2512325-06A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-06B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-06C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-06D	Amber 100ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-06E	Amber 100ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-06F	Plastic 250ml HNO3 preserved	B	<2	<2	2.9	Y	Absent		FE-RI(180),ZN-RI(180),BE-RI(180),K-RI(180),SE-RI(180),AL-RI(180),MG-RI(180),TL-RI(180),MN-RI(180),SB-RI(180),CU-RI(180),CO-RI(180),CA-RI(180),BA-RI(180),AG-RI(180),CR-RI(180),HG-R(28),NI-RI(180),AS-RI(180),V-RI(180),NA-RI(180),CD-RI(180),PB-RI(180)
L2512325-06G	Plastic 250ml HNO3 preserved	B	<2	<2	2.9	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),NA-UI(180),MN-UI(180),AL-UI(180),CR-UI(180),BE-UI(180),AS-UI(180),PB-UI(180),CU-UI(180),V-UI(180),TL-UI(180)
L2512325-06H	Plastic 250ml unpreserved/No Headspace	B	NA		2.9	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-06J	Plastic 250ml unpreserved	B	7	7	2.9	Y	Absent		SUB-IODIDE(7)
L2512325-06K	Plastic 500ml H2SO4 preserved	B	<2	<2	2.9	Y	Absent		SUB-AMMONIUM(28)
L2512325-06L	Amber 950ml H2SO4 preserved	B	<2	<2	2.9	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-06M	Plastic 950ml unpreserved	B	7	7	2.9	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512325-06N	Plastic 950ml unpreserved	B	7	7	2.9	Y	Absent		TSS-2540(7)
L2512325-07A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-07B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-07C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-07D	Amber 100ml unpreserved	C	6	6	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-07E	Amber 100ml unpreserved	C	6	6	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-07F	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		ZN-RI(180),FE-RI(180),SE-RI(180),BE-RI(180),K-RI(180),MG-RI(180),AL-RI(180),MN-RI(180),TL-RI(180),CO-RI(180),CU-RI(180),SB-RI(180),BA-RI(180),CA-RI(180),HG-R(28),NI-RI(180),CR-RI(180),AG-RI(180),NA-RI(180),V-RI(180),CD-RI(180),AS-RI(180),PB-RI(180)
L2512325-07G	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		NI-UI(180),SB-UI(180),BA-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),SE-UI(180),MG-UI(180),HG-U(28),CD-UI(180),MN-UI(180),NA-UI(180),CR-UI(180),BE-UI(180),AL-UI(180),V-UI(180),PB-UI(180),TL-UI(180),AS-UI(180),CU-UI(180)
L2512325-07H	Plastic 250ml unpreserved/No Headspace	C	NA		4.2	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512325-07J	Plastic 250ml unpreserved	C	6	6	4.2	Y	Absent		SUB-IODIDE(7)
L2512325-07K	Plastic 500ml H2SO4 preserved	C	<2	<2	4.2	Y	Absent		SUB-AMMONIUM(28)
L2512325-07L	Amber 950ml H2SO4 preserved	C	<2	<2	4.2	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-07M	Plastic 950ml unpreserved	C	6	6	4.2	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-07N	Plastic 950ml unpreserved	C	6	6	4.2	Y	Absent		TSS-2540(7)
L2512325-08A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-08B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-08C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-08D	Amber 100ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-08E	Amber 100ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-08F	Plastic 250ml HNO3 preserved	B	<2	<2	2.9	Y	Absent		ZN-RI(180),FE-RI(180),BE-RI(180),SE-RI(180),K-RI(180),AL-RI(180),MG-RI(180),MN-RI(180),TL-RI(180),SB-RI(180),CO-RI(180),CU-RI(180),BA-RI(180),CA-RI(180),AG-RI(180),CR-RI(180),HG-R(28),NI-RI(180),V-RI(180),AS-RI(180),NA-RI(180),PB-RI(180),CD-RI(180)
L2512325-08G	Plastic 250ml HNO3 preserved	B	<2	<2	2.9	Y	Absent		NI-UI(180),BA-UI(180),SB-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),SE-UI(180),MG-UI(180),FE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),NA-UI(180),AL-UI(180),MN-UI(180),CR-UI(180),V-UI(180),CU-UI(180),AS-UI(180),PB-UI(180),TL-UI(180)
L2512325-08H	Plastic 250ml unpreserved/No Headspace	B	NA		2.9	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512325-08J	Plastic 250ml unpreserved	B	7	7	2.9	Y	Absent		SUB-IODIDE(7)
L2512325-08K	Plastic 500ml H2SO4 preserved	B	<2	<2	2.9	Y	Absent		SUB-AMMONIUM(28)
L2512325-08L	Amber 950ml H2SO4 preserved	B	<2	<2	2.9	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-08M	Plastic 950ml unpreserved	B	7	7	2.9	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512325-08N	Plastic 950ml unpreserved	B	7	7	2.9	Y	Absent		TSS-2540(7)
L2512325-09A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-09B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-09C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-09D	Amber 100ml unpreserved	F	7	7	3.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512325-09E	Amber 100ml unpreserved	F	7	7	3.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512325-09F	Plastic 250ml HNO3 preserved	B	<2	<2	2.9	Y	Absent		ZN-RI(180),FE-RI(180),SE-RI(180),K-RI(180),BE-RI(180),AL-RI(180),MG-RI(180),TL-RI(180),MN-RI(180),SB-RI(180),CU-RI(180),CO-RI(180),CA-RI(180),BA-RI(180),CR-RI(180),AG-RI(180),HG-R(28),NI-RI(180),CD-RI(180),PB-RI(180),AS-RI(180),NA-RI(180),V-RI(180)
L2512325-09G	Plastic 250ml HNO3 preserved	F	<2	<2	3.8	Y	Absent		NI-UI(180),BA-UI(180),SB-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),K-UI(180),CO-UI(180),FE-UI(180),SE-UI(180),MG-UI(180),HG-U(28),CD-UI(180),BE-UI(180),MN-UI(180),AL-UI(180),CR-UI(180),NA-UI(180),TL-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),V-UI(180)
L2512325-09H	Plastic 250ml unpreserved/No Headspace	F	NA		3.8	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512325-09J	Plastic 250ml unpreserved	F	7	7	3.8	Y	Absent		SUB-IODIDE(7)
L2512325-09K	Plastic 500ml H2SO4 preserved	F	<2	<2	3.8	Y	Absent		SUB-AMMONIUM(28)
L2512325-09L	Amber 950ml H2SO4 preserved	F	<2	<2	3.8	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512325-09M	Plastic 950ml unpreserved	E	7	7	4.8	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2512325-09N	Plastic 950ml unpreserved	F	7	7	3.8	Y	Absent		TSS-2540(7)
L2512325-10A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260(14)
L2512325-10B	Vial HCl preserved	D	NA		4.4	Y	Absent		ARCHIVE()
L2512325-11A	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-ISOTOPIC-URANIUM(180)
L2512325-11B	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA226(180)
L2512325-11C	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA228(180)
L2512325-11D	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-THORIUM(180)
L2512325-12A	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-ISOTOPIC-URANIUM(180)
L2512325-12A1	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-ISOTOPIC-URANIUM(180)
L2512325-12A2	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-ISOTOPIC-URANIUM(180)
L2512325-12B	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA226(180)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512325
Report Date: 04/07/25

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L2512325-12B1	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA226(180)
L2512325-12B2	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA226(180)
L2512325-12C	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA228(180)
L2512325-12C1	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA228(180)
L2512325-12C2	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA228(180)
L2512325-12D	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-THORIUM(180)
L2512325-12D1	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-THORIUM(180)
L2512325-12D2	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-THORIUM(180)
L2512325-13A	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-ISOTOPIC-URANIUM(180)
L2512325-13B	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA226(180)
L2512325-13C	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-RA228(180)
L2512325-13D	Plastic 950ml HNO3 preserved	NA	NA			Y	Absent		SUB-THORIUM(180)

Container Comments

L2512325-02C2	vial is approx. 1/3 full
L2512325-07L	cap cracked, sample intact
L2512325-10B	container received broken

*Values in parentheses indicate holding time in days

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512325
Project Number:	2232.0006Y005	**Report Date:**	04/07/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512325
Project Number:	2232.0006Y005	**Report Date:**	04/07/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512325
Project Number:	2232.0006Y005	**Report Date:**	04/07/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512325
Report Date: 04/07/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

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

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Date Rec'd in Lab 3/6/25

L2512325
ROUX – NY

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time

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

Client Information

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

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	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	TDS-2540/TSS-2540	Cl-4500/ Br-300	NO3-4500	NO2-4500	TOTALNITROGEN(tkn 35	Sample Specific Comments	Total Bottles
12325-01	MP-1	3/5/25	1030	AQ	AI	X	X	X	X	X	X	X	X		15
02	MP-1D	3/5/25	915	AQ	AI	X	X	X	X	X	X	X	X	MS/MSD	45
03	PZ-5	3/5/25	1438	AQ	AI	X	X	X	X	X	X	X	X		15
04	PZ-6	3/5/25	955	AQ	AI	X	X	X	X	X	X	X	X		15
05	MW-5D	3/5/25	1330	AQ	AI	X	X	X	X	X	X	X	X		15
06	MW-6D	3/5/25	1130	AQ	AI	X	X	X	X	X	X	X	X		15
07	MW-8S	3/5/25	1300	AQ	AI	X	X	X	X	X	X	X	X		15
08	MW-8D	3/5/25	1408	AQ	AI	X	X	X	X	X	X	X	X		15
09	DUP_03052025	3/5/25	1200	AQ	AI	X	X	X	X	X	X	X	X		15
10	TRIP BLANK	—	—	AQ	—	X									2

Container Type	V	A	P	A	P	A	A	A	
Preservative	B	A	C	A	A	D	D	D	

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
	3/5/25 1515		3/5/25 15:20
	3/5/25 1830		3/5/25 1920
	3/5/25		3/6/25 0220
	3/6/25 0820		03/06/25 0820

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 LABORATORIES

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

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Date Rec'd in Lab 3/6/25

L2512325
ROUX – NY

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.00006
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB IODIDE send from WB to PACE INDY/ SUB AMMONIUM send from WB to Galbraith Laboratories

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	SO4-4500	Alk-HCO3-2320	Alk-CO3-2320	F-4500	TPO4-4500	SUB-IODIDE	SUB-AMMONIUM	Sample Specific Comments	Total Bottles
12325.01	MP-1	3/5/25	1030	AQ	AI	X	X	X	X	X	X	X		15
02	MP-1D		915			X	X	X	X	X	X	X		45
03	PZ-5		1438			X	X	X	X	X	X	X		15
04	PZ-6		955			X	X	X	X	X	X	X		15
05	MW-5D		1330			X	X	X	X	X	X	X		15
06	MW-6D		1130			X	X	X	X	X	X	X		15
07	MW-8S		1300			X	X	X	X	X	X	X		15
08	MW-8D		1980			X	X	X	X	X	X	X		15
09	DUP-030525	3/5/25	1200		AI	X	X	X	X	X	X	X		15
10	TRIP BLANK	—	—	AQ	—									2

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	P	P	P	P	A	P	P						
Preservative	A	A	A	A	D	A	D						

Relinquished By:	Date/Time	Received By:	Date/Time
	3/5/25 1511	Pace	3/5/25 15:20
Pace	3/5/25 1830		3/5/25 1920
PAS	3/5/25	PAS	3/5/25 2240
	3/6/25 0120		03/06/25 01:20

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

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 3

Date Rec'd in Lab

ALPHA Job #

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS

SUB-SULFIDE

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	SUB-SULFIDE	Sample Specific Comments	Total Bottles
	MP-1	3/5/25	1030	AQ	AI	X		15
	MP-1D		915			X		45
	PZ-5		1488			X		15
	PZ-6		955			X		15
	MW-5D		1330			X		15
	MW-6D		1130			X		15
	MW-8S		1300			X		15
	MW-8D		1408			X		15
	DUP_03052025		1200			X		15
	TRIP BLANK	—	—	AQ	—			2

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: P
Preservative: C

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/5/25 1815	[signature] Pace	3/5/25 15:20

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

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL 508-898-9220
Mansfield, MA 02048 — 320 Forbes Blvd — TEL 508-822-9300

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 1

Date Rec'd in Lab: 3/6/25

L2512325
ROUX – NY

Project Information
Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #)
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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

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

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
SUB Uranium/Thorium/RA226/RA228 Send to PACE Greensburg

Please specify Metals or TAL.

12343 - R

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	Sub-Uranium: HASL 300	Sub-Thorium: HASL 300	Sub-Ra226: 904.0	Sub-RA226: 903.1	Sample Specific Comments	
12325-11	PZ-6_R	3/5/25	955	AQ	AL	X	X	X	X		4
-12	MW-8S_R	3/5/25	1300	AQ	AL	X	X	X	X	MS/MSD	12
-13	DUP_03052025_R	3/5/25	12**	AQ	AL	X	X	X	X		4

Container Type: P P P P
Preservative: C C C C

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
	3/5/25 15:15		3/5/25 16:20
	3/5/25 17:30		3/5/25 17:30
	3/5/25		3/5/25 22:20
	3/6/25		3/6/25 01:20

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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

March 11, 2025

Jennifer Byrnes

,

RE: Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 06, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,



Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Alpha Analytical

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

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SAMPLE SUMMARY

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70341589001	**MP-1**	Water	03/05/25 10:30	03/06/25 16:30
70341589002	**MP-1D**	Water	03/05/25 09:15	03/06/25 16:30
70341589003	**PZ-5**	Water	03/05/25 14:38	03/06/25 16:30
70341589004	**PZ-6**	Water	03/05/25 09:55	03/06/25 16:30
70341589005	**MW-5D**	Water	03/05/25 13:30	03/06/25 16:30
70341589006	**MW-6D**	Water	03/05/25 11:30	03/06/25 16:30
70341589007	**MW-8S**	Water	03/05/25 13:00	03/06/25 16:30
70341589008	**MW-8D**	Water	03/05/25 14:08	03/06/25 16:30
70341589009	**DUP_03052025**	Water	03/05/25 12:00	03/06/25 16:30

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SAMPLE ANALYTE COUNT

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70341589001	**MP-1**	SM22 4500-S2 F	JWM	1
70341589002	**MP-1D**	SM22 4500-S2 F	JWM	1
70341589003	**PZ-5**	SM22 4500-S2 F	JWM	1
70341589004	**PZ-6**	SM22 4500-S2 F	JWM	1
70341589005	**MW-5D**	SM22 4500-S2 F	JWM	1
70341589006	**MW-6D**	SM22 4500-S2 F	JWM	1
70341589007	**MW-8S**	SM22 4500-S2 F	JWM	1
70341589008	**MW-8D**	SM22 4500-S2 F	JWM	1
70341589009	**DUP_03052025**	SM22 4500-S2 F	JWM	1

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Method: **SM22 4500-S2 F**
Description: 4500S2F W Sulfide Iodometric
Client: Alpha Analytical
Date: March 11, 2025

General Information:
9 samples were analyzed for SM22 4500-S2 F by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

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

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

QC Batch: 388671

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70341589002

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

- MS (Lab ID: 2042503)
  - Sulfide
- MSD (Lab ID: 2042504)
  - Sulfide

Additional Comments:

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

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ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Sample: MP-1 **Lab ID: 70341589001** Collected: 03/05/25 10:30 Received: 03/06/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**2.0**	mg/L	2.0	0.20	1		03/11/25 11:44		

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
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ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Sample: MP-1D **Lab ID: 70341589002** Collected: 03/05/25 09:15 Received: 03/06/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/11/25 11:47		M1

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ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Sample: PZ-5 **Lab ID: 70341589003** Collected: 03/05/25 14:38 Received: 03/06/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/11/25 11:58		

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ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Sample: PZ-6 **Lab ID: 70341589004** Collected: 03/05/25 09:55 Received: 03/06/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/11/25 12:01		

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Melville, NY 11747
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ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Sample: MW-5D **Lab ID: 70341589005** Collected: 03/05/25 13:30 Received: 03/06/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/11/25 12:04		

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Sample: MW-6D **Lab ID: 70341589006** Collected: 03/05/25 11:30 Received: 03/06/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/11/25 12:07		

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Sample: MW-8S **Lab ID: 70341589007** Collected: 03/05/25 13:00 Received: 03/06/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/11/25 12:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Sample: MW-8D **Lab ID: 70341589008** Collected: 03/05/25 14:08 Received: 03/06/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/11/25 12:13		

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Sample: DUP_03052025 **Lab ID: 70341589009** Collected: 03/05/25 12:00 Received: 03/06/25 16:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/11/25 12:16		

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

QC Batch: 388671 — Analysis Method: SM22 4500-S2 F
QC Batch Method: SM22 4500-S2 F — Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70341589001, 70341589002, 70341589003, 70341589004, 70341589005, 70341589006, 70341589007, 70341589008, 70341589009

METHOD BLANK: 2042501 — Matrix: Water
Associated Lab Samples: 70341589001, 70341589002, 70341589003, 70341589004, 70341589005, 70341589006, 70341589007, 70341589008, 70341589009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	03/11/25 11:40	

LABORATORY CONTROL SAMPLE: 2042502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	14	14.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2042503 2042504

Parameter	Units	70341589002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	<0.20	2.8	2.8	1.6J	1.5J	56	54	70-130		20	M1

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALIFIERS

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CORAM MATERIALS 3/5
Pace Project No.: 70341589

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70341589001	**MP-1**	SM22 4500-S2 F	388671		
70341589002	**MP-1D**	SM22 4500-S2 F	388671		
70341589003	**PZ-5**	SM22 4500-S2 F	388671		
70341589004	**PZ-6**	SM22 4500-S2 F	388671		
70341589005	**MW-5D**	SM22 4500-S2 F	388671		
70341589006	**MW-6D**	SM22 4500-S2 F	388671		
70341589007	**MW-8S**	SM22 4500-S2 F	388671		
70341589008	**MW-8D**	SM22 4500-S2 F	388671		
70341589009	**DUP_03052025**	SM22 4500-S2 F	388671		

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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 3 of 3

WO# : 70341589

70341589

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time

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

Deliverables

☐ A
☐ E
☐ Other

Info

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:

Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS

SUB-SULFIDE

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

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-SULFIDE	Total Bottles
	MP-1	3/5/25	1030	AQ	AT	X	15
	MP-1D		915			X	15
	PZ-5		1438			X	15
	PZ-6		955			X	15
	MW-5D		1330			X	15
	MW-6D		1130			X	15
	MW-8S		1300			X	15
	MW-8D		1408			X	15
	DUP_03052025		1200			X	15
	TRIP BLANK		-	AQ	-		2

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	P
Preservative	C

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/5/25 1815	TK Pace	3/5/25 15:20
[signature] Pace	3/5/25 16:30	ACB Pace LI	3/5/25 16:30

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)

Serial_No:04072514:34

DG Profile Excel Form Template
Effective Date

Client: ALPHA Profile #: 10078

Work ID: CORAM MATERIALS 3/5 Cooler Page _____ of _____

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	VG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	AG5U	AG44	CG1U	WG9O	WG4O	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	TEDL	BGIH	LLHG	BG1N	IOC	SOC
1																																									3																									
2																																																																													
3																		

DC# Title: ENV-FRM-MELV-0034 v07 SCUR
Effective Date: 4/12/2024

WO#: 70341589
PM: BDR Due Date: 03/18/25
CLIENT: ALPHA

Client Name: ALPHA Project

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☑ Yes ☐ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziplock ☐ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH211 Correction Factor: +.2 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 3.2 Cooler Temperature Corrected(°C): 3.4 Date/Time 5035A kits placed in freezer:
Temp should be above freezing to 6°C

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

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples originate from a foreign source (including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: AD 8/6/25

				COMMENTS:
Chain of Custody Present	☑Yes	☐No		1
Chain of Custody Filled Out	☑Yes	☐No		2
Chain of Custody Relinquished	☑Yes	☐No		3
Sampler Name & Signature on COC	☑Yes	☐No	☐N/A	4
Samples Arrived within Hold Time	☑Yes	☐No		5
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6
Rush Turn Around Time Requested:	☐Yes	☑No		7
Sufficient Volume (Triple volume provided for MS/MSD)	☑Yes	☐No		8
Correct Containers Used	☑Yes	☐No		9
-Pace Containers Used	☑Yes	☐No		
Containers Intact	☑Yes	☐No		10
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11 Note if sediment is visible in the dissolved container
Sample Labels match COC -Includes date/time/ID/Analysis Matrix: SL WP OIL OTHER	☐Yes	☐No		12

Date and Initials of person checking preservation: AD 8/6/25

All containers needing preservation have been pH paper Lot # 231224	☑Yes	☐No	☐N/A	13 ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed / Lot # of added preservative / Date/Time preservative added
Samples checked for dechlorination: K! starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14 Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf: Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15 Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm)	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm)	☐Yes	☐No	☑N/A	16
Trip Blank Present	☐Yes	☐No	☑N/A	17
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2512325

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2512325 Report to include Method and/or Regulatory required batch QC

Additional Comments: REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller",needs NYSDEC Equis EDD

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2512325-01	MP-1	03-05-25 10:30	WATER	Sulfide			0
	L2512325-02	MP-1D	03-05-25 09:15	WATER	Sulfide	MS/MSD	MS;MSD	0
	L2512325-03	PZ-5	03-05-25 14:38	WATER	Sulfide			0
	L2512325-04	PZ-6	03-05-25 09:55	WATER	Sulfide			0
	L2512325-05	MW-5D	03-05-25 13:30	WATER	Sulfide			0
	L2512325-06	MW-6D	03-05-25 11:30	WATER	Sulfide			0
	L2512325-07	MW-8S	03-05-25 13:00	WATER	Sulfide			0
	L2512325-08	MW-8D	03-05-25 14:08	WATER	Sulfide			0
	L2512325-09	DUP-03052025	03-05-25 12:00	WATER	Sulfide			0

	Relinquished By:	Date/Time:	Received By:	Date/Time:
Form No: AL_subcoc				

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

March 13, 2025

Jennifer Byrnes
Pace MA
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2512325
Pace Project No.: 50395615

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 07, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Indianapolis

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace MA

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Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: L2512325
Pace Project No.: 50395615

Pace Analytical Services Indianapolis
7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

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SAMPLE SUMMARY

Project: L2512325
Pace Project No.: 50395615

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50395615001	**MP-1**	Water	03/05/25 10:30	03/07/25 08:30
50395615002	**MP-1D**	Water	03/05/25 09:15	03/07/25 08:30
50395615003	**PZ-5**	Water	03/05/25 14:38	03/07/25 08:30
50395615004	**PZ-6**	Water	03/05/25 09:55	03/07/25 08:30
50395615005	**MW-5D**	Water	03/05/25 13:30	03/07/25 08:30
50395615006	**MW-6D**	Water	03/05/25 11:30	03/07/25 08:30
50395615007	**MW-8S**	Water	03/05/25 13:00	03/07/25 08:30
50395615008	**MW-8D**	Water	03/05/25 14:08	03/07/25 08:30
50395615009	**DUP-03052025**	Water	03/05/25 12:00	03/07/25 08:30

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SAMPLE ANALYTE COUNT

Project: L2512325
Pace Project No.: 50395615

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50395615001	**MP-1**	EPA 9056	GLT	1
50395615002	**MP-1D**	EPA 9056	GLT	1
50395615003	**PZ-5**	EPA 9056	GLT	1
50395615004	**PZ-6**	EPA 9056	GLT	1
50395615005	**MW-5D**	EPA 9056	GLT	1
50395615006	**MW-6D**	EPA 9056	GLT	1
50395615007	**MW-8S**	EPA 9056	GLT	1
50395615008	**MW-8D**	EPA 9056	GLT	1
50395615009	**DUP-03052025**	EPA 9056	GLT	1

PASI-I = Pace Analytical Services - Indianapolis

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(317)228-3100

ANALYTICAL RESULTS

Project: L2512325
Pace Project No.: 50395615

Sample: MP-1 **Lab ID: 50395615001** Collected: 03/05/25 10:30 Received: 03/07/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/10/25 15:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2512325
Pace Project No.: 50395615

Sample: MP-1D **Lab ID: 50395615002** Collected: 03/05/25 09:15 Received: 03/07/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/10/25 15:39		

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ANALYTICAL RESULTS

Project: L2512325
Pace Project No.: 50395615

Sample: PZ-5 **Lab ID: 50395615003** Collected: 03/05/25 14:38 Received: 03/07/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/10/25 16:34		

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ANALYTICAL RESULTS

Project: L2512325
Pace Project No.: 50395615

Sample: PZ-6 **Lab ID: 50395615004** Collected: 03/05/25 09:55 Received: 03/07/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/10/25 16:52		

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ANALYTICAL RESULTS

Project: L2512325
Pace Project No.: 50395615

Sample: MW-5D **Lab ID: 50395615005** Collected: 03/05/25 13:30 Received: 03/07/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/10/25 17:10		

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ANALYTICAL RESULTS

Project: L2512325
Pace Project No.: 50395615

Sample: MW-6D **Lab ID: 50395615006** Collected: 03/05/25 11:30 Received: 03/07/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/10/25 17:29		

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ANALYTICAL RESULTS

Project: L2512325
Pace Project No.: 50395615

Sample: MW-8S **Lab ID: 50395615007** Collected: 03/05/25 13:00 Received: 03/07/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/10/25 18:24		

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ANALYTICAL RESULTS

Project: L2512325
Pace Project No.: 50395615

Sample: MW-8D **Lab ID: 50395615008** Collected: 03/05/25 14:08 Received: 03/07/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/10/25 18:42		

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ANALYTICAL RESULTS

Project: L2512325
Pace Project No.: 50395615

Sample: DUP-03052025 **Lab ID: 50395615009** Collected: 03/05/25 12:00 Received: 03/07/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/10/25 19:00		

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QUALITY CONTROL DATA

Project: L2512325
Pace Project No.: 50395615

QC Batch: 833553 — Analysis Method: EPA 9056
QC Batch Method: EPA 9056 — Analysis Description: 9056 Iodide by IC
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50395615001, 50395615002, 50395615003, 50395615004, 50395615005, 50395615006, 50395615007, 50395615008, 50395615009

METHOD BLANK: 3814123 — Matrix: Water
Associated Lab Samples: 50395615001, 50395615002, 50395615003, 50395615004, 50395615005, 50395615006, 50395615007, 50395615008, 50395615009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	03/10/25 14:44	

LABORATORY CONTROL SAMPLE: 3814124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.6	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3814125 3814126

Parameter	Units	50395615002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	4.7	4.7	95	94	80-120	0	15	

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

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: L2512325
Pace Project No.: 50395615

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2512325
Pace Project No.: 50395615

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50395615001	**MP-1**	EPA 9056	833553		
50395615002	**MP-1D**	EPA 9056	833553		
50395615003	**PZ-5**	EPA 9056	833553		
50395615004	**PZ-6**	EPA 9056	833553		
50395615005	**MW-5D**	EPA 9056	833553		
50395615006	**MW-6D**	EPA 9056	833553		
50395615007	**MW-8S**	EPA 9056	833553		
50395615008	**MW-8D**	EPA 9056	833553		
50395615009	**DUP-03052025**	EPA 9056	833553		

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WO# : 50395615

50395615

Subcontract Chain of Custody

Pace Analytical (Indianapolis, IN)
7726 Moller Road
Indianapolis, IN 46268

Pace Job Number
L2512325

Page 1

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To:west.subreports@pacelabs.com Bill To:invoices@pacelabs.coupahost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com	Project Location: NY Project Manager: Jennifer Byrnes **Turnaround & Deliverables Information** Due Date: Deliverables: ASP Category B Deliverables	State/Federal Program: Regulatory Criteria: Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2512325 Report to include Method and/or Regulatory required batch QC

Additional Comments: Profile # 11706: needs L4 and EDD 265 NY EQUIS on Iodide sub chain"

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2512325-01	MP-1	03-05-25 10:30	WATER	Iodide			1
	L2512325-02	MP-1D	03-05-25 09:15	WATER	Iodide	MS/MSD	MS;MSD	3
	L2512325-03	PZ-5	03-05-25 14:38	WATER	Iodide			1
	L2512325-04	PZ-6	03-05-25 09:55	WATER	Iodide			1
	L2512325-05	MW-5D	03-05-25 13:30	WATER	Iodide			1
	L2512325-06	MW-6D	03-05-25 11:30	WATER	Iodide			1
	L2512325-07	MW-8S	03-05-25 13:00	WATER	Iodide			1
	L2512325-08	MW-8D	03-05-25 14:08	WATER	Iodide			1
	L2512325-09	DUP-03052025	03-05-25 12:00	WATER	Iodide			1

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	C Yelvert		Fedex	
	Fedex	3/7/25 8:30	JJ/Pace	3/7/25 8:30
Form No: AL_subcoc				

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 3/7/25 15:47 JG

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I

2. **Cooler Temperature(s):** 1.5/1.3 (Initial/Corrected)

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. **Courier:** (Fed Ex) UPS Client Pace Now/Jett Other
Circle One

4. **Custody Seal on Cooler/Box Present:** ☑ Yes ☐ No

(If yes)**Seals Intact:** ☑ Yes ☐ No **(leave blank if no seals were present)**

5. **Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **Was the PM notified of out of temp cooler?** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		—	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			—
Short Hold Time Analysis (48 hours or less)? Analysis:		—				
Time **5035A TC placed in Freezer or Short Holds To Lab**	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A
Rush **TAT Requested (4 days or less):**		—	Residual Chlorine Check (Total/Amenable/Free Cyanide)			—
Custody Signatures Present?	—		Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent —
Containers Intact?:	—		Trip Blank Present?		—	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	—		Trip Blank Custody Seals?:			—
Extra labels on Terracore Vials? (soils only)			Out Of Temp Instructions if applicable:			

COMMENTS:

SWI Location	Note Discription

COC PAGE ____ of ____

Sample Container Count

Serial_No:04072514:34

** Place a PINK dot on containers that are out of conformance **

| | | |

Report Number: 159657 Report Date: 2025-03-19

Laboratory Report

Report prepared for:
Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581
Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:
Debbie S Robertson

Purchase Order:

For further assistance, contact:
Debbie S Robertson
Report Production Coordinator
PO Box 51610
Knoxville, TN 37950 -1610
(865) 546-1335
debbierobertson@galbraith.com

Sample: L2512325 MP-1
Lab ID: 2025-V-6120 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.60 mg	2025-03-17

Sample: L2512325 MP-1D
Lab ID: 2025-V-6121 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.88 mg	2025-03-17

Sample: L2512325 MP-1D +MS
Lab ID: 2025-V-6122 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.96 mg	2025-03-17

Sample: L2512325 MP-1D +SD
Lab ID: 2025-V-6123 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.21 mg	2025-03-17

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Sample: L2512325 PZ-5
Lab ID: 2025-V-6124 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	204.34 mg	2025-03-17

Sample: L2512325 PZ-6
Lab ID: 2025-V-6125 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	204.92 mg	2025-03-17

Sample: L2512325 MW-5D
Lab ID: 2025-V-6126 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.42 mg	2025-03-17

Sample: L2512325 MW-6D
Lab ID: 2025-V-6127 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.07 mg	2025-03-17

Sample: L2512325 MW-8S
Lab ID: 2025-V-6128 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.81 mg	2025-03-17

Sample: L2512325 MW-8D
Lab ID: 2025-V-6129 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.52 mg	2025-03-17

Sample: L2512325 DUP-03052025

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Lab ID: 2025-V-6130 **Received:** 2025-03-07

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.01 mg	2025-03-17

Signatures:

Published By:	Debbie.S.Robertson	2025-03-19T18:52:43.883-04:00
Created By:	Debbie.S.Robertson	2025-03-19T18:52:14.117-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 28, 2025

Jennifer Byrnes
Pace Westborough
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2512325
Pace Project No.: 30762045

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 10, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Customer Service, Alpha Analytical

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: L2512325
Pace Project No.: 30762045

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: L2512325
Pace Project No.: 30762045

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30762045001	**L2512325-11**	Water	03/05/25 09:55	03/10/25 09:10
30762045002	**L2512325-12**	Water	03/05/25 13:00	03/10/25 09:10
30762045003	**L2512325-12 MS**	Water	03/05/25 13:00	03/10/25 09:10
30762045004	**L2512325-12 MSD**	Water	03/05/25 13:00	03/10/25 09:10
30762045005	**L2512325-13**	Water	03/05/25 12:00	03/10/25 09:10

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SAMPLE ANALYTE COUNT

Project: L2512325
Pace Project No.: 30762045

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30762045001	**L2512325-11**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		ASTM D5174-97	SLC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA
30762045002	**L2512325-12**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		ASTM D5174-97	SLC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA
30762045003	**L2512325-12 MS**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		ASTM D5174-97	SLC	1	PASI-PA
		HSL-300	JJY	3	PASI-PA
30762045004	**L2512325-12 MSD**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		ASTM D5174-97	SLC	1	PASI-PA
		HSL-300	JJY	3	PASI-PA
30762045005	**L2512325-13**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		ASTM D5174-97	SLC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Greensburg, PA 15601
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

Sample: L2512325-11 **Lab ID: 30762045001** Collected: 03/05/25 09:55 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.380 ± 0.631 (1.30) C:NA T:89%**	pCi/L	03/20/25 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.699 ± 0.471 (0.913) C:77% T:88%**	pCi/L	03/26/25 12:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Uranium	ASTM D5174-97	**1.85 ± 0.030 (0.323) C:NA T:NA**	ug/L	03/27/25 14:12	7440-61-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.236 ± 0.253 (0.470) C:NA T:77%**	pCi/L	03/18/25 09:00	14274-82-9	
Thorium-230	HSL-300	**-0.008 ± 0.124 (0.173) C:NA T:77%**	pCi/L	03/18/25 09:00	14269-63-7	
Thorium-232	HSL-300	**-0.008 ± 0.124 (0.173) C:NA T:77%**	pCi/L	03/18/25 09:00	7440-29-1	
Uranium-234	HSL-300	**0.929 ± 0.366 (0.161) C:NA T:86%**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-235	HSL-300	**0.000 ± 0.152 (0.114) C:NA T:86%**	pCi/L	03/19/25 09:26	15117-96-1	
Uranium-238	HSL-300	**0.832 ± 0.344 (0.161) C:NA T:86%**	pCi/L	03/19/25 09:26		

Sample: L2512325-12 **Lab ID: 30762045002** Collected: 03/05/25 13:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.547 ± 0.580 (1.20) C:NA T:94%**	pCi/L	03/20/25 15:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.936 ± 0.372 (0.560) C:82% T:90%**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Uranium	ASTM D5174-97	**0.643 ± 0.011 (0.323) C:NA T:NA**	ug/L	03/27/25 13:42	7440-61-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.178 ± 0.174 (0.273) C:NA T:85%**	pCi/L	03/18/25 09:00	14274-82-9	
Thorium-230	HSL-300	**-0.008 ± 0.115 (0.159) C:NA T:85%**	pCi/L	03/18/25 09:00	14269-63-7	
Thorium-232	HSL-300	**0.024 ± 0.115 (0.159) C:NA T:85%**	pCi/L	03/18/25 09:00	7440-29-1	
Uranium-234	HSL-300	**0.110 ± 0.109 (0.075) C:NA T:96%**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-235	HSL-300	**0.072 ± 0.130 (0.098) C:NA T:96%**	pCi/L	03/19/25 09:26	15117-96-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

Sample: L2512325-12 **Lab ID: 30762045002** Collected: 03/05/25 13:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Uranium-238	HSL-300	**0.000 ± 0.099 (0.075) C:NA T:96%**	pCi/L	03/19/25 09:26		

Sample: L2512325-12 MS **Lab ID: 30762045003** Collected: 03/05/25 13:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**96.35 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/20/25 15:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**89.70 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Uranium	ASTM D5174-97	**130.81 %REC ± NA (NA) C:NA T:NA**	ug/L	03/27/25 13:50	7440-61-1	2c
	Pace Analytical Services - Greensburg					
Thorium-230	HSL-300	**93.00 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/18/25 09:00	14269-63-7	
Uranium-234	HSL-300	**103.18 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-238	HSL-300	**100.56 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/19/25 09:26		

Sample: L2512325-12 MSD **Lab ID: 30762045004** Collected: 03/05/25 13:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**85.43 %REC 12.01RPD ± NA (NA) C:NA T:NA**	pCi/L	03/20/25 15:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**103.26 %REC 14.06RPD ± NA (NA) C:NA T:NA**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Uranium	ASTM D5174-97	**140.20 %REC 6.93RPD ± NA (NA) C:NA T:NA**	ug/L	03/27/25 13:58	7440-61-1	1c
	Pace Analytical Services - Greensburg					
Thorium-230	HSL-300	**73.75 %REC 23.09RPD ± NA (NA) C:NA T:NA**	pCi/L	03/18/25 09:00	14269-63-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

Sample: L2512325-12 MSD **Lab ID: 30762045004** Collected: 03/05/25 13:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Uranium-234	HSL-300	**105.72 %REC 2.43RPD ± NA (NA) C:NA T:NA**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-238	HSL-300	**99.00 %REC 1.56RPD ± NA (NA) C:NA T:NA**	pCi/L	03/19/25 09:26		

Sample: L2512325-13 **Lab ID: 30762045005** Collected: 03/05/25 12:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.177 ± 0.505 (0.938) C:NA T:94%**	pCi/L	03/20/25 15:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.953 ± 0.494 (0.905) C:74% T:94%**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Uranium	ASTM D5174-97	**0.664 ± 0.012 (0.323) C:NA T:NA**	ug/L	03/27/25 14:26	7440-61-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.389 ± 0.253 (0.300) C:NA T:81%**	pCi/L	03/18/25 09:00	14274-82-9	
Thorium-230	HSL-300	**0.060 ± 0.122 (0.169) C:NA T:81%**	pCi/L	03/18/25 09:00	14269-63-7	
Thorium-232	HSL-300	**0.102 ± 0.123 (0.092) C:NA T:81%**	pCi/L	03/18/25 09:00	7440-29-1	
Uranium-234	HSL-300	**0.147 ± 0.130 (0.080) C:NA T:90%**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-235	HSL-300	**0.000 ± 0.138 (0.104) C:NA T:90%**	pCi/L	03/19/25 09:26	15117-96-1	
Uranium-238	HSL-300	**0.022 ± 0.106 (0.147) C:NA T:90%**	pCi/L	03/19/25 09:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

QC Batch: 731930 | Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 | Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

METHOD BLANK: 3563078 Matrix: Water
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.603 ± 0.390 (0.725) C:73% T:88%	pCi/L	03/26/25 12:08	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

QC Batch: 731823 Analysis Method: HSL-300
QC Batch Method: HSL-300 Analysis Description: HSL300(AS) Actinides
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

METHOD BLANK: 3562756 Matrix: Water
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	0.173 ± 0.162 (0.218) C:NA T:83%	pCi/L	03/18/25 09:00	
Thorium-230	-0.008 ± 0.118 (0.163) C:NA T:83%	pCi/L	03/18/25 09:00	
Thorium-232	-0.008 ± 0.118 (0.163) C:NA T:83%	pCi/L	03/18/25 09:00	
Uranium-234	0.014 ± 0.095 (0.157) C:NA T:96%	pCi/L	03/19/25 09:26	
Uranium-235	0.040 ± 0.124 (0.094) C:NA T:96%	pCi/L	03/19/25 09:26	
Uranium-238	0.099 ± 0.105 (0.132) C:NA T:96%	pCi/L	03/19/25 09:26	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

QC Batch: 733538 | Analysis Method: ASTM D5174-97
QC Batch Method: ASTM D5174-97 | Analysis Description: D5174.97 Total Uranium KPA
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

METHOD BLANK: 3570836 Matrix: Water
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.099 ± 0.002 (0.323) C:NA T:NA	ug/L	03/27/25 13:06	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

QC Batch: 731926 | Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 | Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

METHOD BLANK: 3563073 Matrix: Water
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.344 ± 0.360 (0.564) C:NA T:97%	pCi/L	03/20/25 14:48	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: L2512325
Pace Project No.: 30762045

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c	Matrix spike duplicate recovery is high and outside of default acceptance criteria for MS recovery. Results reported based on acceptable RPD for the RQS set.
2c	Matrix spike recovery is high and outside of default acceptance criteria for MS recovery.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2512325
Pace Project No.: 30762045

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30762045001	**L2512325-11**	EPA 903.1	731926		
30762045002	**L2512325-12**	EPA 903.1	731926		
30762045003	**L2512325-12 MS**	EPA 903.1	731926		
30762045004	**L2512325-12 MSD**	EPA 903.1	731926		
30762045005	**L2512325-13**	EPA 903.1	731926		
30762045001	**L2512325-11**	EPA 904.0	731930		
30762045002	**L2512325-12**	EPA 904.0	731930		
30762045003	**L2512325-12 MS**	EPA 904.0	731930		
30762045004	**L2512325-12 MSD**	EPA 904.0	731930		
30762045005	**L2512325-13**	EPA 904.0	731930		
30762045001	**L2512325-11**	ASTM D5174-97	733538		
30762045002	**L2512325-12**	ASTM D5174-97	733538		
30762045003	**L2512325-12 MS**	ASTM D5174-97	733538		
30762045004	**L2512325-12 MSD**	ASTM D5174-97	733538		
30762045005	**L2512325-13**	ASTM D5174-97	733538		
30762045001	**L2512325-11**	HSL-300	731823		
30762045002	**L2512325-12**	HSL-300	731823		
30762045003	**L2512325-12 MS**	HSL-300	731823		
30762045004	**L2512325-12 MSD**	HSL-300	731823		
30762045005	**L2512325-13**	HSL-300	731823		

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WO# : 30762045

30762045

Pace

Subcontract Chain of Custody

Pace Analytical (Greensburg, PA)
1638 Roseytown Rd, Suite 2
Greensburg, PA 15601

Pace Job Number
L2512325

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2512325 Report to include Method and/or Regulatory required batch QC

Additional Comments: Report to MDL, ASPB package,NYSDEC EDD

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count	
	L2512325-11	PZ-6_R	03-05-25 09:55	WATER	Isotopic Uranium	Uranium HASL 300		1	001
				WATER	Radium 226	Radium 226 903.1		1	
				WATER	Radium 228	Radium 228 904.0		1	
				WATER	Thorium	Thorium HASL300, MS/MSD		1	
	L2512325-12	MW-8S_R	03-05-25 13:00	WATER	Isotopic Uranium	Uranium HASL 300	MS;MSD	3	002
				WATER	Radium 226	Radium 226 903.1	MS;MSD	3	003
				WATER	Radium 228	Radium 228 904.0	MS;MSD	3	004
				WATER	Thorium	Thorium HASL300, MS/MSD	MS;MSD	3	
	L2512325-13	DUP_03052025_R	03-05-25 12:00	WATER	Isotopic Uranium	Uranium HASL 300		1	005
				WATER	Radium 226	Radium 226 903.1		1	

Received by Pace Greensburg
Therm ID VT Corr Factor +/0.0
Receipt Temp 2.5
Corrected Temp 2.5
Correct Preservation Y/N

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		3/6/25 1835		3/6/25 1830
		3/6/25 2245		
	Paul Mascella	3/7/25 0230	Paul Mascella	3/6/25 2330
		3/7 16:40		3/7 12:40
Form No: AL_subcoc				3/7 1900

FmcCorkle 317 3.10.25 — 9:10 FmcCorkle 3.10.25 7:00

Serial_No:04072514:34

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 30762045

PM: SCR Due Date: 03/31/25

CLIENT: ALPHA ANALYT

Company Name: Alpha Analytical

Street Address:

Customer Project #:

Project Name: 12512325

Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

Contact/Report To:

Phone #:

E-Mail:

Cc E-Mail:

Invoice to:

Invoice E-mail:

Purchase Order # (if applicable):

Quote #:

County / State origin of sample(s):

Data Deliverables:

[ ] Level II [ ] Level III [ ] Level IV

[ ] EQUIS

[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required):

[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

(1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr:

AcctNum / Client ID:

Table #:

Profile / Template:

Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

Collected By:

Printed Name

Signature

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 3-10-25 9:10	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Serial No:04072514:34

WO#: 30762045

PM: SCR Due Date: 03/31/25

CLIENT: ALPHA ANALYT

Pace

Subcontract Chain of Custody

Pace Analytical (Greensburg, PA)
1638 Roseytown Rd, Suite 2
Greensburg, PA 15601

Pace Job Number
L2512325

Page 2

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2512325 Report to include Method and/or Regulatory required batch QC

Additional Comments: Report to MDL, ASPB package,NYSDEC EDD

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2512325-13	DUP_03052025_R	03-05-25 12:00	WATER WATER	Radium 228 Thorium	Radium 228 904.0 Thorium HASL300, MS/MSD		1 1

Received by Pace Greensburg
Therm ID___ Corr Factor +/-___
Receipt Temp_____
Corrected Temp ____
Correct Preservation Y/N

Relinquished By:	Date/Time:	Received By:	Date/Time:
	3/6/25 1835	Paul Marcella	3/6/25 1836
Paul Marcella	3/7/25 0230		3/6/25 2330
	3/7/25 16:40		3/7 12:30
			3/7 1900
FmcCorkle	3.10.25 917 9:10	FmcCorkle	3.10.25 17:00

Form No: AL_subcoc

Serial_No:04072514:34

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30762045

PM: SCR Due Date: 03/31/25

CLIENT: ALPHA ANALYT

Company Name: Alpha Analytical

Street Address:

Contact/Report To:

Phone #:

E-Mail:

Cc E-Mail:

Customer Project #:

Project Name: L2512325

Invoice to:

Invoice E-mail:

Site Collection Info/Facility ID (as applicable):

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables:

[ ] Level II [ ] Level III [ ] Level IV

[ ] EQUIS

[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required):

[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr:

AcctNum / Client ID:

Table #:

Profile / Template:

Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

Collected By:

Printed Name

Signature

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
		Amy Brun Price	3-10-25 9:10	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Serial_No:04072514:34

DC#_Title: ENV-FRM-GBUR-0088 v07_Sampl
Greensburg

Effective Date: 01/04/2024

WO# : 30762045

PM: SCR Due Date: 03/31/25
CLIENT: ALPHA ANALYT

Client Name: Alpha Analytical

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

Tracking Number: Dropoff

Initial / Date

Examined By: VB 3.10.25
Labeled By: VB 3/10/25
Temped By: VB 3/10/25

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No **Seals Intact:** ☐ Yes ☒ No
Thermometer Used: 19 **Type of Ice:** (Wet) Blue None
Cooler Temperature: Observed Temp 2.5 °C Correction Factor: -0.4 °C Final Temp: 2.1 °C
Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# KJB3241 / D.P.D. Residual Chlorine Lot #
Chain of Custody Present	X			1.
Chain of Custody Filled Out:	X			2.
-Were client corrections present on COC		X		
Chain of Custody Relinquished	X			3.
Sampler Name & Signature on COC:		X		4.
Sample Labels match COC:	X			5.
-Includes date/time/ID				
Matrix: WT				
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used		X		
Containers Intact:	X			11.
Orthophosphate field filtered:			X	12.
Hex Cr Aqueous samples field filtered:			X	13.
Organic Samples checked for dichlorination			X	14:
Filtered volume received for dissolved tests:			X	15:
All containers checked for preservation:	X			16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				pH<2
All containers meet method preservation requirements:	X			Initial when completed: VB / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			X	17.
624.1: Headspace in VOA Vials (0mm)			X	18.
Radon: Headspace in RAD Vials (0mm)			X	19.
Trip Blank Present:			X	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	X			Initial when completed: VB / Date: 3-10-25 / Survey Meter SN: 2501 43580

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.
Qualtrax ID: 55680

Page 1 of 1

Client _____

Site L2512325

Page 1 of 1

Profile/EZ Login Number 21500

Notes 003/004=RQS

Sample Line Item	Matrix	Amber Glass					Plastic								Vials					Other									
		AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
001	WT						4																						
002	↓						↓																						
003																													
004																													
005	↓						↓																						

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber gla
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpre
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
SP5T	120mL coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
	plastic HNO3
	plastic unpreserved
	plastic NAOH
	plastic H2SO4
	plastic unpreserved

EZI	5g Encore
VOAK	Kit Volatile Solid
I	Wipe/Swab
ZPLC	Siploc Bag

WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

WO#: 30762045
PM: SCR Due Date: 03/31/25
CLIENT: ALPHA ANALYT

Qualtrax ID: 55678

Analytical Services, LLC

Serial_No:04072514:34

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

April 07, 2025

Jennifer Byrnes
Pace Westborough
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2512325
Pace Project No.: 30762045

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 10, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

(Greensburg, PA) - Revision 1 - This report replaces the 3/28/25 report. This project was revised on 4/7/25 to remove uranium ran by the incorrect method.

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

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Customer Service, Alpha Analytical

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CERTIFICATIONS

Project: L2512325
Pace Project No.: 30762045

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: L2512325
Pace Project No.: 30762045

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30762045001	**L2512325-11**	Water	03/05/25 09:55	03/10/25 09:10
30762045002	**L2512325-12**	Water	03/05/25 13:00	03/10/25 09:10
30762045003	**L2512325-12 MS**	Water	03/05/25 13:00	03/10/25 09:10
30762045004	**L2512325-12 MSD**	Water	03/05/25 13:00	03/10/25 09:10
30762045005	**L2512325-13**	Water	03/05/25 12:00	03/10/25 09:10

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SAMPLE ANALYTE COUNT

Project: L2512325
Pace Project No.: 30762045

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30762045001	**L2512325-11**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA
30762045002	**L2512325-12**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA
30762045003	**L2512325-12 MS**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		HSL-300	JJY	3	PASI-PA
30762045004	**L2512325-12 MSD**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		HSL-300	JJY	3	PASI-PA
30762045005	**L2512325-13**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

Sample: L2512325-11 **Lab ID: 30762045001** Collected: 03/05/25 09:55 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.380 ± 0.631 (1.30) C:NA T:89%**	pCi/L	03/20/25 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.699 ± 0.471 (0.913) C:77% T:88%**	pCi/L	03/26/25 12:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.236 ± 0.253 (0.470) C:NA T:77%**	pCi/L	03/18/25 09:00	14274-82-9	
Thorium-230	HSL-300	**-0.008 ± 0.124 (0.173) C:NA T:77%**	pCi/L	03/18/25 09:00	14269-63-7	
Thorium-232	HSL-300	**-0.008 ± 0.124 (0.173) C:NA T:77%**	pCi/L	03/18/25 09:00	7440-29-1	
Uranium-234	HSL-300	**0.929 ± 0.366 (0.161) C:NA T:86%**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-235	HSL-300	**0.000 ± 0.152 (0.114) C:NA T:86%**	pCi/L	03/19/25 09:26	15117-96-1	
Uranium-238	HSL-300	**0.832 ± 0.344 (0.161) C:NA T:86%**	pCi/L	03/19/25 09:26		

Sample: L2512325-12 **Lab ID: 30762045002** Collected: 03/05/25 13:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.547 ± 0.580 (1.20) C:NA T:94%**	pCi/L	03/20/25 15:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.936 ± 0.372 (0.560) C:82% T:90%**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.178 ± 0.174 (0.273) C:NA T:85%**	pCi/L	03/18/25 09:00	14274-82-9	
Thorium-230	HSL-300	**-0.008 ± 0.115 (0.159) C:NA T:85%**	pCi/L	03/18/25 09:00	14269-63-7	
Thorium-232	HSL-300	**0.024 ± 0.115 (0.159) C:NA T:85%**	pCi/L	03/18/25 09:00	7440-29-1	
Uranium-234	HSL-300	**0.110 ± 0.109 (0.075) C:NA T:96%**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-235	HSL-300	**0.072 ± 0.130 (0.098) C:NA T:96%**	pCi/L	03/19/25 09:26	15117-96-1	
Uranium-238	HSL-300	**0.000 ± 0.099 (0.075) C:NA T:96%**	pCi/L	03/19/25 09:26		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

Sample: L2512325-12 MS **Lab ID: 30762045003** Collected: 03/05/25 13:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**96.35 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/20/25 15:15	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**89.70 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/26/25 12:06	15262-20-1	
		Pace Analytical Services - Greensburg				
Thorium-230	HSL-300	**93.00 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/18/25 09:00	14269-63-7	
Uranium-234	HSL-300	**103.18 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-238	HSL-300	**100.56 %REC ± NA (NA) C:NA T:NA**	pCi/L	03/19/25 09:26		

Sample: L2512325-12 MSD **Lab ID: 30762045004** Collected: 03/05/25 13:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**85.43 %REC 12.01RPD ± NA (NA) C:NA T:NA**	pCi/L	03/20/25 15:15	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**103.26 %REC 14.06RPD ± NA (NA) C:NA T:NA**	pCi/L	03/26/25 12:06	15262-20-1	
		Pace Analytical Services - Greensburg				
Thorium-230	HSL-300	**73.75 %REC 23.09RPD ± NA (NA) C:NA T:NA**	pCi/L	03/18/25 09:00	14269-63-7	
Uranium-234	HSL-300	**105.72 %REC 2.43RPD ± NA (NA) C:NA T:NA**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-238	HSL-300	**99.00 %REC 1.56RPD ± NA (NA) C:NA T:NA**	pCi/L	03/19/25 09:26		

Sample: L2512325-13 **Lab ID: 30762045005** Collected: 03/05/25 12:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**0.177 ± 0.505 (0.938) C:NA T:94%**	pCi/L	03/20/25 15:15	13982-63-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

Sample: L2512325-13 **Lab ID: 30762045005** Collected: 03/05/25 12:00 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.953 ± 0.494 (0.905) C:74% T:94%**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.389 ± 0.253 (0.300) C:NA T:81%**	pCi/L	03/18/25 09:00	14274-82-9	
Thorium-230	HSL-300	**0.060 ± 0.122 (0.169) C:NA T:81%**	pCi/L	03/18/25 09:00	14269-63-7	
Thorium-232	HSL-300	**0.102 ± 0.123 (0.092) C:NA T:81%**	pCi/L	03/18/25 09:00	7440-29-1	
Uranium-234	HSL-300	**0.147 ± 0.130 (0.080) C:NA T:90%**	pCi/L	03/19/25 09:26	13966-29-5	
Uranium-235	HSL-300	**0.000 ± 0.138 (0.104) C:NA T:90%**	pCi/L	03/19/25 09:26	15117-96-1	
Uranium-238	HSL-300	**0.022 ± 0.106 (0.147) C:NA T:90%**	pCi/L	03/19/25 09:26		

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QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

QC Batch: 731930 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

METHOD BLANK: 3563078 Matrix: Water
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.603 ± 0.390 (0.725) C:73% T:88%	pCi/L	03/26/25 12:08	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

QC Batch: 731823 Analysis Method: HSL-300
QC Batch Method: HSL-300 Analysis Description: HSL300(AS) Actinides
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

METHOD BLANK: 3562756 Matrix: Water
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	0.173 ± 0.162 (0.218) C:NA T:83%	pCi/L	03/18/25 09:00	
Thorium-230	-0.008 ± 0.118 (0.163) C:NA T:83%	pCi/L	03/18/25 09:00	
Thorium-232	-0.008 ± 0.118 (0.163) C:NA T:83%	pCi/L	03/18/25 09:00	
Uranium-234	0.014 ± 0.095 (0.157) C:NA T:96%	pCi/L	03/19/25 09:26	
Uranium-235	0.040 ± 0.124 (0.094) C:NA T:96%	pCi/L	03/19/25 09:26	
Uranium-238	0.099 ± 0.105 (0.132) C:NA T:96%	pCi/L	03/19/25 09:26	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512325
Pace Project No.: 30762045

QC Batch: 731926 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

METHOD BLANK: 3563073 Matrix: Water
Associated Lab Samples: 30762045001, 30762045002, 30762045003, 30762045004, 30762045005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.344 ± 0.360 (0.564) C:NA T:97%	pCi/L	03/20/25 14:48	

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QUALIFIERS

Project: L2512325
Pace Project No.: 30762045

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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Greensburg, PA 15601
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2512325
Pace Project No.: 30762045

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30762045001	**L2512325-11**	EPA 903.1	731926		
30762045002	**L2512325-12**	EPA 903.1	731926		
30762045003	**L2512325-12 MS**	EPA 903.1	731926		
30762045004	**L2512325-12 MSD**	EPA 903.1	731926		
30762045005	**L2512325-13**	EPA 903.1	731926		
30762045001	**L2512325-11**	EPA 904.0	731930		
30762045002	**L2512325-12**	EPA 904.0	731930		
30762045003	**L2512325-12 MS**	EPA 904.0	731930		
30762045004	**L2512325-12 MSD**	EPA 904.0	731930		
30762045005	**L2512325-13**	EPA 904.0	731930		
30762045001	**L2512325-11**	HSL-300	731823		
30762045002	**L2512325-12**	HSL-300	731823		
30762045003	**L2512325-12 MS**	HSL-300	731823		
30762045004	**L2512325-12 MSD**	HSL-300	731823		
30762045005	**L2512325-13**	HSL-300	731823		

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WO# : 30762045

30762045

Pace

Subcontract Chain of Custody

Pace Analytical (Greensburg, PA)
1638 Roseytown Rd, Suite 2
Greensburg, PA 15601

Pace Job Number
L2512325

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2512325 Report to include Method and/or Regulatory required batch QC

Additional Comments: Report to MDL, ASPB package,NYSDEC EDD

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count	
	L2512325-11	PZ-6_R	03-05-25 09:55	WATER	Isotopic Uranium	Uranium HASL 300		1	001
				WATER	Radium 226	Radium 226 903.1		1	
				WATER	Radium 228	Radium 228 904.0		1	
				WATER	Thorium	Thorium HASL300, MS/MSD		1	
	L2512325-12	MW-8S_R	03-05-25 13:00	WATER	Isotopic Uranium	Uranium HASL 300	MS;MSD	3	002
				WATER	Radium 226	Radium 226 903.1	MS;MSD	3	003
				WATER	Radium 228	Radium 228 904.0	MS;MSD	3	004
				WATER	Thorium	Thorium HASL300, MS/MSD	MS;MSD	3	
	L2512325-13	DUP_03052025_R	03-05-25 12:00	WATER	Isotopic Uranium	Uranium HASL 300		1	005
				WATER	Radium 226	Radium 226 903.1		1	

Received by Pace Greensburg
Therm ID VT Corr Factor +/0.0
Receipt Temp 2.5
Corrected Temp 2.5
Correct Preservation Y/N

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		3/6/25 1835		3/6/25 1830
		3/6/25 2245		3/6/25 2330
	Paul Marcella	3/7/25 0230	Paul Marcella	3/7 12:40
Form No: AL_subcoc		3/7 16:40		3/7 1900
	FmcCorkle	3.10.25 — 9:10	FmcCorkle	3.10.25 7:00

Serial_No:04072514:34

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 30762045

PM: SCR Due Date: 03/31/25

CLIENT: ALPHA ANALYT

Company Name: Alpha Analytical

Street Address:

Customer Project #:

Project Name: L2512325

Site Collection Info/Facility ID (as applicable):

Contact/Report To:

Phone #:

E-Mail:

Cc E-Mail:

Invoice to:

Invoice E-mail:

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables:

[ ] Level II [ ] Level III [ ] Level IV

[ ] EQUIS

[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required):

[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

(2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Add, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr:

AcctNum / Client ID:

Table #:

Profile / Template:

Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

Collected By:

Printed Name

Signature

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
		Jm Ben Pace	3-10-25 9:10	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Serial No:04072514:34

WO#: 30762045

PM: SCR Due Date: 03/31/25

CLIENT: ALPHA ANALYT

Pace®

Subcontract Chain of Custody

Pace Analytical (Greensburg, PA)
1638 Roseytown Rd, Suite 2
Greensburg, PA 15601

Pace Job Number
L2512325

Page 2

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2512325 Report to include Method and/or Regulatory required batch QC

Additional Comments: Report to MDL, ASPB package,NYSDEC EDD

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2512325-13	DUP_03052025_R	03-05-25 12:00	WATER WATER	Radium 228 Thorium	Radium 228 904.0 Thorium HASL300, MS/MSD		1 1

Received by Pace Greensburg
Therm ID___ Corr Factor +/-___
Receipt Temp_____
Corrected Temp _____
Correct Preservation Y/N

Relinquished By:	Date/Time:	Received By:	Date/Time:
	3/6/25 1835	Paul Massella	3/6/25 1836
Paul Massella	3/7/25 0230		3/6/25 2330
	3/7/25 16:40		3/7 1200
FmcCorkle	3.10.25 917 9:10	FmcCorkle	3.10.25 917 9:00

Form No: AL_subcoc

Serial_No:04072514:34

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30762045

PM: SCR Due Date: 03/31/25

CLIENT: ALPHA ANALYT

Company Name: Alpha Analytical

Street Address:

Contact/Report To:

Phone #:

E-Mail:

Cc E-Mail:

Customer Project #:

Project Name: L2512325

Invoice to:

Invoice E-mail:

Site Collection Info/Facility ID (as applicable):

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s):

Data Deliverables:

[ ] Level II [ ] Level III [ ] Level IV

[ ] EQUIS

[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required):

[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr:

AcctNum / Client ID:

Table #:

Profile / Template:

Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Sample Comment

Additional Instructions from Pace® :

Collected By:

Printed Name

Signature

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 3-10-25 9:10	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Page: 1 of 2

ENV-FRM-CORQ-0019_v02_110123 ©

Serial_No:04072514:34

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v07_Sampl
Greensburg

Effective Date: 01/04/2024

WO# : 30762045

PM: SCR Due Date: 03/31/25
CLIENT: ALPHA ANALYT

Client Name: Alpha Analytical

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

Tracking Number: Dropoff

Initial / Date

Examined By: VB 3.10.25
Labeled By: VB 3.10.25
Temped By: VB 3.10.25

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No **Seals Intact:** ☐ Yes ☒ No
Thermometer Used: 19 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 2.5 °C Correction Factor: -0.4 °C Final Temp: 2.1 °C
Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# KJB244	D.P.D. Residual Chlorine Lot #
Chain of Custody Present	X			1.	
Chain of Custody Filled Out:	X			2.	
-Were client corrections present on COC		X			
Chain of Custody Relinquished	X			3.	
Sampler Name & Signature on COC:		X		4.	
Sample Labels match COC:	X			5.	
-Includes date/time/ID					
Matrix: WT					
Samples Arrived within Hold Time:	X			6.	
Short Hold Time Analysis (<72hr remaining):		X		7.	
Rush Turn Around Time Requested:		X		8.	
Sufficient Volume:	X			9.	
Correct Containers Used:	X			10.	
-Pace Containers Used		X			
Containers Intact:	X			11.	
Orthophosphate field filtered:			X	12.	
Hex Cr Aqueous samples field filtered:			X	13.	
Organic Samples checked for dichlorination			X	14:	
Filtered volume received for dissolved tests:			X	15:	
All containers checked for preservation:	X			16.	
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix				pH<2	
All containers meet method preservation requirements:	X			Initial when completed VB	Date/Time of Preservation
				Lot# of added Preservative	
8260C/D: Headspace in VOA Vials (> 6mm)			X	17.	
624.1: Headspace in VOA Vials (0mm)			X	18.	
Radon: Headspace in RAD Vials (0mm)			X	19.	
Trip Blank Present:			X	Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	X			Initial when completed VB	Date: 3-10-25 Survey Meter SN: 25014350

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.
Qualtrax ID: 55680

Page 1 of 1

DC#_Title: ENV-FRM-GBUR-0072 v04_Sample Container Count Offshore Projects
Effective Date: 04/18/2024

Client _____

Site L2512325

Page 1 of 1

Profile/EZ Login Number 21500

Notes 003/004=RQS

Sample Line Item	Matrix	Amber Glass					Plastic								Vials					Other									
		AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
001	WT						4																						
002	↓						↓																						
003																													
004																													
005	↓																												

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber gla
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpre
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
SP5T	120mL coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
	plastic HNO3
	plastic unpreserved
	plastic NAOH
	plastic H2SO4
	plastic unpreserved

EZI	5g Encore
VOAK	Kit Volatile Solid
I	Wipe/Swab
ZPLC	Siploc Bag

WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

WO#: 30762045
PM: SCR Due Date: 03/31/25
CLIENT: ALPHA ANALYT

Qualtrax ID: 55678

Analytical Services, LLC

Serial_No:04072514:34

ANALYTICAL REPORT

Lab Number:	L2512596
Client:	Roux Env. Eng. & Geology, DPC 209 N. Shafter St. Islandia, NY 11749
ATTN:	Ashley Iervolino
Phone:	(631) 232-2600
Project Name:	CORAM MATERIALS
Project Number:	2232.0006Y005
Report Date:	03/12/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512596
Report Date: 03/12/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2512596-01	MW-4S_P	WATER	416 MILLER PLACE-YAPHANK ROAD	03/06/25 10:30	03/06/25
L2512596-02	DUP_03062025_P	WATER	416 MILLER PLACE-YAPHANK ROAD	03/06/25 13:00	03/06/25
L2512596-03	FIELD BLANK_P	WATER	416 MILLER PLACE-YAPHANK ROAD	03/06/25 12:00	03/06/25

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512596
Project Number:	2232.0006Y005	**Report Date:**	03/12/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512596
Project Number:	2232.0006Y005	**Report Date:**	03/12/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by 1633

WG2038443-1R, WG2038443-2R, and WG2038443-3R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

The WG2038443-4 MS/MSD recoveries performed on L2512596-01 are outside the acceptance criteria for n-ethyl perfluorooctane sulfonamide (netfosa) (62%), n-methyl perfluorooctanesulfonamido ethanol (nmefose) (68%), and n-ethyl perfluorooctanesulfonamido ethanol (netfose) (66%).

The WG2038443-5 MS/MSD RPDs performed on L2512596-01 are outside the acceptance criteria for perfluoroheptanesulfonic acid (pfhps) (33%), perfluorododecane sulfonic acid (pfdods) (33%), and 2h,2h,3h,3h-perfluorooctanoic acid (5:3ftca) (31%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Ashley Leitao Ashley Leitao

Title: Technical Director/Representative Date: 03/12/25

ORGANICS

SEMIVOLATILES

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

SAMPLE RESULTS

Lab ID: L2512596-01
Client ID: MW-4S_P
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 10:30
Date Received: 03/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/11/25 14:04
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	6.56		ng/l	6.28	0.518	1
Perfluoropentanoic Acid (PFPeA)	13.3		ng/l	3.14	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	6.61		ng/l	1.57	0.393	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.28	0.896	1
Perfluorohexanoic Acid (PFHxA)	9.16		ng/l	1.57	0.244	1
Perfluoropentanesulfonic Acid (PFPeS)	0.236	J	ng/l	1.57	0.204	1
Perfluoroheptanoic Acid (PFHpA)	3.76		ng/l	1.57	0.236	1
Perfluorohexanesulfonic Acid (PFHxS)	2.88		ng/l	1.57	0.134	1
Perfluorooctanoic Acid (PFOA)	20.6		ng/l	1.57	0.259	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.28	4.73	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.298	J	ng/l	1.57	0.196	1
Perfluorononanoic Acid (PFNA)	0.644	J	ng/l	1.57	0.259	1
Perfluorooctanesulfonic Acid (PFOS)	4.01		ng/l	1.57	0.259	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.57	0.204	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.28	1.20	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.57	0.196	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.57	0.471	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.57	0.173	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.57	0.134	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.57	0.094	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.57	0.471	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.57	0.212	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.57	0.181	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.57	0.157	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.28	1.57	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.28	0.369	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.57	0.236	1

Project Name: CORAM MATERIALS **Lab Number:** L2512596

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512596-01 Date Collected: 03/06/25 10:30

Client ID: MW-4S_P Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.28	0.432	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.28	0.440	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.57	0.220	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.57	0.346	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.7	1.28	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.7	1.08	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.14	0.244	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.14	0.354	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.14	0.322	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.14	0.534	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.86	0.526	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	39.3	4.18	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	39.3	3.13	1

Project Name: CORAM MATERIALS **Lab Number:** L2512596

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512596-01 Date Collected: 03/06/25 10:30

Client ID: MW-4S_P Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	108		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	95		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	99		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	107		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	106		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	101		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	104		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	95		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	105		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	93		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	95		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	92		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	82		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	85		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	88		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	92		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	81		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	97		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	78		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	81		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	91		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	89		10-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

SAMPLE RESULTS

Lab ID: L2512596-02
Client ID: DUP_03062025_P
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 13:00
Date Received: 03/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/11/25 14:32
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	6.28		ng/l	6.08	0.502	1
Perfluoropentanoic Acid (PFPeA)	13.0		ng/l	3.04	0.342	1
Perfluorobutanesulfonic Acid (PFBS)	6.99		ng/l	1.52	0.380	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.08	0.867	1
Perfluorohexanoic Acid (PFHxA)	9.38		ng/l	1.52	0.236	1
Perfluoropentanesulfonic Acid (PFPeS)	0.350	J	ng/l	1.52	0.198	1
Perfluoroheptanoic Acid (PFHpA)	3.56		ng/l	1.52	0.228	1
Perfluorohexanesulfonic Acid (PFHxS)	2.84		ng/l	1.52	0.129	1
Perfluorooctanoic Acid (PFOA)	22.1		ng/l	1.52	0.251	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.08	4.58	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.327	J	ng/l	1.52	0.190	1
Perfluorononanoic Acid (PFNA)	0.707	J	ng/l	1.52	0.251	1
Perfluorooctanesulfonic Acid (PFOS)	4.30		ng/l	1.52	0.251	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.52	0.198	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.08	1.16	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.52	0.190	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.52	0.456	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.52	0.167	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.52	0.129	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.52	0.091	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.52	0.456	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.52	0.205	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.52	0.175	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.52	0.152	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.08	1.52	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.08	0.358	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.52	0.228	1

Project Name: CORAM MATERIALS **Lab Number:** L2512596

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512596-02 Date Collected: 03/06/25 13:00

Client ID: DUP_03062025_P Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.08	0.418	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.08	0.426	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.52	0.213	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.52	0.335	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.2	1.24	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.2	1.05	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.04	0.236	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.04	0.342	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.04	0.312	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.04	0.517	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.61	0.510	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	38.0	4.05	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	38.0	3.03	1

Project Name: CORAM MATERIALS **Lab Number:** L2512596

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512596-02 Date Collected: 03/06/25 13:00

Client ID: DUP_03062025_P Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	106		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	100		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	107		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	113		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	106		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	114		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	107		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	95		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	113		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	104		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	93		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	95		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	95		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	90		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	84		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	91		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	77		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	79		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	102		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	77		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	79		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	86		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	83		10-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

SAMPLE RESULTS

Lab ID: L2512596-03
Client ID: FIELD BLANK_P
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 12:00
Date Received: 03/06/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 03/11/25 15:08
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.81	0.480	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.91	0.327	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.45	0.363	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.81	0.828	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.45	0.225	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.45	0.189	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.45	0.218	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.45	0.124	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.45	0.240	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.81	4.38	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.45	0.182	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.45	0.240	1
Perfluorooctanesulfonic Acid (PFOS)	0.334	J	ng/l	1.45	0.240	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.45	0.189	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.81	1.11	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.45	0.182	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.45	0.436	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.45	0.160	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.45	0.124	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.45	0.087	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.45	0.436	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.45	0.196	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.45	0.167	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.45	0.145	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.81	1.45	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.81	0.342	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.45	0.218	1

Project Name: CORAM MATERIALS **Lab Number:** L2512596

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512596-03 Date Collected: 03/06/25 12:00

Client ID: FIELD BLANK_P Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.81	0.400	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.81	0.407	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.45	0.203	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.45	0.320	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.5	1.18	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.5	1.00	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.91	0.225	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.91	0.327	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	2.91	0.298	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.91	0.494	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.27	0.487	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	36.3	3.87	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	36.3	2.89	1

Project Name: CORAM MATERIALS **Lab Number:** L2512596

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

SAMPLE RESULTS

Lab ID: L2512596-03 Date Collected: 03/06/25 12:00

Client ID: FIELD BLANK_P Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	104		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	103		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	95		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	88		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	112		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	122		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	94		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	106		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	94		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	102		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	93		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	94		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	88		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	89		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	93		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	99		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	83		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	89		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	102		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	87		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	85		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	91		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	90		10-130

Project Name: CORAM MATERIALS **Lab Number:** L2512596

Project Number: 2232.0006Y005 **Report Date:** 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/11/25 12:26
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG2038443-1 R					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	0.528
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.360
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.400
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	0.912
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.248
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.208
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.240
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.136
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.264
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	4.82
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.200
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.264
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.264
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.208
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	1.22
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.200
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.480
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.176
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.136
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.096
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.480
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.216
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.184
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.160
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	1.60
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	0.376
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.240

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/11/25 12:26
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG2038443-1 R					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	0.440
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	0.448
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.224
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.352
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	1.30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.10
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.248
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.360
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.328
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	0.544
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	0.536
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	4.26
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	3.18

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 03/11/25 12:26
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 03/10/25 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG2038443-1 R					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	106		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	105		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	115		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	102		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	110		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	111		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	112		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	109		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	117		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	101		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	101		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	100		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	92		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	88		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	90		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	108		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	66		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	68		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	87		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	89		10-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512596
Report Date: 03/12/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG2038443-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	109		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	102		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	99		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	95		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	108		-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	94		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	95		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	96		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	87		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	107		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	105		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	107		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	98		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	102		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	104		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	88		-		70-145	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512596
Report Date: 03/12/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG2038443-2 LOW LEVEL								
Perfluorododecanoic Acid (PFDoA)	108		-		70-140	-		30
Perfluorotridecanoic Acid (PFTrDA)	106		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	105		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	101		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	98		-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	95		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	110		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	107		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	106		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	107		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	96		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	94		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	102		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	104		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	91		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	94		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	98		-		65-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	92		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	77		-		50-145	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG2038443-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	99				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	100				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	96				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	100				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	110				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	102				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	104				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	97				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	109				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	95				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	94				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	85				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	105				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	89				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	88				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	92				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	74				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	71				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	94				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	94				10-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512596
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG2038443-3								
Perfluorobutanoic Acid (PFBA)	89		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	90		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	89		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	94		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	89		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	95		-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	92		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	88		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	82		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	94		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	92		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	86		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	85		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	93		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	92		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	85		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	80		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	94		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	80		-		70-145	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG2038443-3								
Perfluorododecanoic Acid (PFDoA)	88		-		70-140	-		30
Perfluorotridecanoic Acid (PFTrDA)	94		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	83		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	97		-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	80		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	94		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	85		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	85		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	84		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	81		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	82		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	91		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	96		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	80		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	87		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	95		-		65-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	91		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	74		-		50-145	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512596
Report Date: 03/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG2038443-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	109				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	98				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	102				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	94				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	103				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	102				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	103				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	107				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	101				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	100				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	103				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	93				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	100				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	88				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	94				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	81				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	92				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	95				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	76				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	77				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	85				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	85				10-130

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG2038443-4 WG2038443-5 QC Sample: L2512596-01 Client ID: MW-4S_P												
Perfluorobutanoic Acid (PFBA)	6.56	77.2	67.0	78		82.3	100		70-140	20		30
Perfluoropentanoic Acid (PFPeA)	13.3	38.6	42.3	75		51.9	102		65-135	20		30
Perfluorobutanesulfonic Acid (PFBS)	6.61	17.1	20.2	79		25.1	110		60-145	22		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	72.3	63.1	87		79.6	112		70-145	23		30
Perfluorohexanoic Acid (PFHxA)	9.16	19.3	24.7	81		28.1	100		70-145	13		30
Perfluoropentanesulfonic Acid (PFPeS)	0.236J	18.1	14.4	78		19.2	106		65-140	29		30
Perfluoroheptanoic Acid (PFHpA)	3.76	19.3	19.5	82		22.6	99		70-150	15		30
Perfluorohexanesulfonic Acid (PFHxS)	2.88	17.7	16.8	79		20.5	102		65-145	20		30
Perfluorooctanoic Acid (PFOA)	20.6	19.3	35.8	79		40.2	103		70-150	12		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	73.4	56.7	77		70.1	97		65-155	21		30
Perfluoroheptanesulfonic Acid (PFHpS)	0.298J	18.4	15.3	82		21.3	116		70-150	**33**	Q	30
Perfluorononanoic Acid (PFNA)	0.644J	19.3	14.3	71		18.4	94		70-150	25		30
Perfluorooctanesulfonic Acid (PFOS)	4.01	17.9	16.6	70		21.1	97		55-150	24		30
Perfluorodecanoic Acid (PFDA)	ND	19.3	14.6	76		18.9	100		70-140	26		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	74.1	61.5	83		81.4	112		60-150	28		30
Perfluorononanesulfonic Acid (PFNS)	ND	18.6	14.0	75		18.5	101		65-145	28		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	19.3	14.3	74		18.0	95		50-140	23		30
Perfluoroundecanoic Acid (PFUnA)	ND	19.3	13.8	72		17.3	91		70-145	23		30
Perfluorodecanesulfonic Acid (PFDS)	ND	18.6	13.4	72		17.4	95		60-145	26		30

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG2038443-4 WG2038443-5 QC Sample: L2512596-01 Client ID: MW-4S_P												
Perfluorooctanesulfonamide (PFOSA)	ND	19.3	14.4	75		18.6	98		70-145	25		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	19.3	13.5	70		16.0	84		70-145	17		30
Perfluorododecanoic Acid (PFDoA)	ND	19.3	14.0	73		18.3	97		70-140	27		30
Perfluorotridecanoic Acid (PFTrDA)	ND	19.3	14.0	73		18.7	99		65-140	29		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	19.3	13.6	70		17.8	94		60-140	27		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	77.2	62.7	81		76.6	101		70-140	20		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	72.9	61.2	84		68.7	96		65-145	12		30
Perfluorododecanesulfonic Acid (PFDoS)	ND	18.8	13.5	72		18.9	103		50-145	**33**	Q	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	72	60.5	84		77.1	109		70-155	24		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	72.8	53.1	73		68.8	96		55-160	26		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	19.3	12.4	64		15.9	84		60-150	25		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	19.3	12.0	**62**	Q	15.4	81		65-145	25		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	193	131	**68**	Q	169	89		70-145	25		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	193	127	**66**	Q	166	88		70-135	27		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	38.6	31.5	82		40.4	107		55-140	25		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	38.6	31.4	81		39.7	105		60-150	23		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	34.4	24.9	72		32.8	97		70-140	27		30
Nonafluoro-3,6-Dioxaheptanoic	ND	38.6	28.6	74		37.3	98		50-150	26		30

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG2038443-4 WG2038443-5 QC Sample: L2512596-01 Client ID: MW-4S_P												
Acid (NFDHA)												
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND	96.4	82.5	86		104	110		65-130	23		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	482	363	75		498	105		70-135	**31**	Q	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	482	338	70		445	94		50-145	27		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	100		98		40-300
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	111		111		40-200
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	111		112		40-200
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	97		89		10-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	110		107		25-135
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	98		90		10-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	95		88		10-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	96		87		40-170
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	98		91		10-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	104		99		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	99		91		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	105		96		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	105		100		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	96		98		30-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	102		108		40-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	103		105		40-130

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG2038443-4 WG2038443-5 QC Sample: L2512596-01 Client ID: MW-4S_P

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	99		112		40-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	91		95		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	98		100		10-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	104		104		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	95		100		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	96		99		40-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	104		96		40-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	94		99		40-130

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512596
Report Date: 03/12/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512596-01A	Plastic 500ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-1633(28)
L2512596-01A1	Plastic 500ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-1633(28)
L2512596-01A2	Plastic 500ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-1633(28)
L2512596-01B	Plastic 500ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-1633(28)
L2512596-01B1	Plastic 500ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-1633(28)
L2512596-01B2	Plastic 500ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-1633(28)
L2512596-02A	Plastic 500ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-1633(28)
L2512596-02B	Plastic 500ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-1633(28)
L2512596-03A	Plastic 500ml unpreserved	A	NA		3.0	Y	Absent		A2-NY-1633(28)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512596
Report Date: 03/12/25

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512596
Project Number:	2232.0006Y005	**Report Date:**	03/12/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512596
Project Number:	2232.0006Y005	**Report Date:**	03/12/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512596
Report Date: 03/12/25

REFERENCES

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

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

Page 1 of 1

Date Rec'd in Lab: 3/7/25

ALPHA Job #: L2512596

Client Information

Client: ROUX
Address: 209 Shafter St
Islandia NY 11749
Phone: 631 232 2600
Fax:
Email: dierolino@rouxinc.com

Project Information

Project Name: Coram Materials
Project Location: 416 Miller Place Yaphank Rd
Project #: 2-232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #:

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: A2-1633

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	A2-1633	Sample Specific Comments	Total Bottles
12596-01	MW-4S_P	3/6/25	1030	AQ	AI	X	MS/MSD	6
-02	DUP_030625_P	3/6/25	1300	AQ	AI	X		2
-03	FIELDBLANK_P	3/6/25	1300	AQ	AI	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: P
Preservative: A

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. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/6/25 1350	[signature]	3/6/25 13:50
[signature]	3/6/25 18:10	NJSC	3/6/25 18:10
		Anthony Green	MAR 06 2025 21:00
Anthony Green		[signature]	3/7/25 0200

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

Rec'd Dylan Beaulieu AL 3/7/25 10:38

Rel: [signature] 3/7/25 1038 3/7/25 0435 3/7/25 0435 3/7/25 0945

ANALYTICAL REPORT

Lab Number:	L2512607
Client:	Roux Env. Eng. & Geology, DPC 209 N. Shafter St. Islandia, NY 11749
ATTN:	Ashley Iervolino
Phone:	(631) 232-2600
Project Name:	CORAM MATERIALS
Project Number:	2232.0006Y005
Report Date:	03/28/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2512607-01	MW-4S	WATER	416 MILLER PLACE-YAPHANK ROAD	03/06/25 10:30	03/06/25
L2512607-02	MW-4D2	WATER	416 MILLER PLACE-YAPHANK ROAD	03/06/25 10:24	03/06/25
L2512607-03	MW-12S	WATER	416 MILLER PLACE-YAPHANK ROAD	03/06/25 09:13	03/06/25
L2512607-04	MW-12D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/06/25 08:46	03/06/25
L2512607-05	SCDOH_DR	WATER	416 MILLER PLACE-YAPHANK ROAD	03/06/25 11:51	03/06/25
L2512607-06	EQUIPMENT BLANK	EQUIPMENT BLANK	416 MILLER PLACE-YAPHANK ROAD	03/06/25 12:00	03/06/25
L2512607-07	TRIP BLANK	TRIP BLANK (AQUEOUS)	416 MILLER PLACE-YAPHANK ROAD	03/06/25 00:00	03/06/25
L2512607-08	MW-4S_R	WATER	416 MILLER PLACE-YAPHANK ROAD	03/06/25 10:30	03/06/25

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512607
Project Number:	2232.0006Y005	**Report Date:**	03/28/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512607
Project Number:	2232.0006Y005	**Report Date:**	03/28/25

Case Narrative (continued)

Report Submission

March 28, 2025: This final report includes the results of all requested analyses.

March 21, 2025: This is a preliminary report.

March 14, 2025: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The following analyses were subcontracted: Ammonium, Iodide, Sulfide, Radium 226, Radium 228, Thorium, and Uranium. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Anions by Ion Chromatography

The WG2038793-3 MS recovery performed on L2512607-02 is outside the acceptance criteria for bromide (82%); however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 03/28/25

ORGANICS

VOLATILES

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-01
Client ID: MW-4S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 10:30
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 14:44
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-01 Date Collected: 03/06/25 10:30

Client ID: MW-4S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	106		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-02 Date Collected: 03/06/25 10:24
Client ID: MW-4D2 Date Received: 03/06/25
Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 15:08
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-02 Date Collected: 03/06/25 10:24

Client ID: MW-4D2 Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.0		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	108		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-03 Date Collected: 03/06/25 09:13
Client ID: MW-12S Date Received: 03/06/25
Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 15:33
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-03 Date Collected: 03/06/25 09:13

Client ID: MW-12S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	105		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-04 Date Collected: 03/06/25 08:46
Client ID: MW-12D Date Received: 03/06/25
Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 15:57
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	3.3		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.40	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	4.6		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	3.2		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-04 Date Collected: 03/06/25 08:46

Client ID: MW-12D Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-05 Date Collected: 03/06/25 11:51
Client ID: SCDOH_DR Date Received: 03/06/25
Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/12/25 16:22
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-05 Date Collected: 03/06/25 11:51

Client ID: SCDOH_DR Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	104		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-06
Client ID: EQUIPMENT BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 12:00
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8260D
Analytical Date: 03/13/25 11:54
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-06 Date Collected: 03/06/25 12:00

Client ID: EQUIPMENT BLANK Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-07 Date Collected: 03/06/25 00:00
Client ID: TRIP BLANK Date Received: 03/06/25
Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: None

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 03/13/25 12:21
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-07 Date Collected: 03/06/25 00:00

Client ID: TRIP BLANK Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: None

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 11:04
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2039699-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 11:04
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2039699-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/12/25 11:04
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2039699-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	107		70-130

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/25 10:08
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG2040184-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/25 10:08
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG2040184-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/13/25 10:08
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG2040184-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2039699-3 WG2039699-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	94		96		63-130	2		20
1,1,2-Trichloroethane	93		92		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	95		93		75-130	2		20
Trichlorofluoromethane	74		73		62-150	1		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	98		100		67-130	2		20
Bromodichloromethane	95		98		67-130	3		20
trans-1,3-Dichloropropene	92		91		70-130	1		20
cis-1,3-Dichloropropene	96		96		70-130	0		20
Bromoform	88		90		54-136	2		20
1,1,2,2-Tetrachloroethane	92		93		67-130	1		20
Benzene	96		94		70-130	2		20
Toluene	92		91		70-130	1		20
Ethylbenzene	92		92		70-130	0		20
Chloromethane	89		85		64-130	5		20
Bromomethane	59		57		39-139	3		20
Vinyl chloride	84		81		55-140	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2039699-3 WG2039699-4								
Chloroethane	82		85		55-138	4		20
1,1-Dichloroethene	79		81		61-145	3		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	99		97		70-130	2		20
1,2-Dichlorobenzene	97		96		70-130	1		20
1,3-Dichlorobenzene	97		96		70-130	1		20
1,4-Dichlorobenzene	93		94		70-130	1		20
Methyl tert butyl ether	90		94		63-130	4		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	84		80		36-147	5		20
Acetone	110		100		58-148	10		20
Carbon disulfide	87		86		51-130	1		20
2-Butanone	110		120		63-138	9		20
4-Methyl-2-pentanone	80		82		59-130	2		20
2-Hexanone	81		89		57-130	9		20
Bromochloromethane	99		100		70-130	1		20
1,2-Dibromoethane	95		98		70-130	3		20
1,2-Dibromo-3-chloropropane	83		95		41-144	13		20
Isopropylbenzene	94		94		70-130	0		20
1,2,3-Trichlorobenzene	94		97		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2039699-3 WG2039699-4								
1,2,4-Trichlorobenzene	99		99		70-130	0		20
Methyl Acetate	93		110		70-130	17		20
Cyclohexane	100		99		70-130	1		20
Freon-113	83		86		70-130	4		20
Methyl cyclohexane	87		87		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		107		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	108		107		70-130
Dibromofluoromethane	101		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG2040184-3 WG2040184-4								
Methylene chloride	98		96		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	94		91		63-132	3		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	97		97		63-130	0		20
1,1,2-Trichloroethane	110		100		70-130	10		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	100		98		62-150	2		20
1,2-Dichloroethane	100		98		70-130	2		20
1,1,1-Trichloroethane	100		97		67-130	3		20
Bromodichloromethane	99		96		67-130	3		20
trans-1,3-Dichloropropene	93		91		70-130	2		20
cis-1,3-Dichloropropene	91		90		70-130	1		20
Bromoform	92		92		54-136	0		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		100		70-130	10		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	92		86		64-130	7		20
Bromomethane	110		110		39-139	0		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG2040184-3 WG2040184-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	97		95		63-130	2		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	93		89		36-147	4		20
Acetone	89		86		58-148	3		20
Carbon disulfide	100		99		51-130	1		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	92		94		59-130	2		20
2-Hexanone	92		85		57-130	8		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	81		87		41-144	7		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	87		98		70-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG2040184-3 WG2040184-4								
1,2,4-Trichlorobenzene	95		99		70-130	4		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	100		97		70-130	3		20
Freon-113	100		94		70-130	6		20
Methyl cyclohexane	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	102		101		70-130

SEMIVOLATILES

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-01
Client ID: MW-4S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 10:30
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 18:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-01 Date Collected: 03/06/25 10:30

Client ID: MW-4S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**18**	Q	21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	31		10-120
4-Terphenyl-d14	66		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-01
Client ID: MW-4S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 10:30
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/12/25 17:15
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/09/25 04:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-01 Date Collected: 03/06/25 10:30

Client ID: MW-4S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	69		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-02
Client ID: MW-4D2
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 10:24
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 16:45
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	3.6		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-02 Date Collected: 03/06/25 10:24

Client ID: MW-4D2 Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	0.50	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	89		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-02
Client ID: MW-4D2
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 10:24
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/12/25 17:32
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/09/25 04:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-02 Date Collected: 03/06/25 10:24

Client ID: MW-4D2 Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	91		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-03
Client ID: MW-12S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 09:13
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 17:08
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-03 Date Collected: 03/06/25 09:13

Client ID: MW-12S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**16**	Q	21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	24		10-120
4-Terphenyl-d14	78		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-03
Client ID: MW-12S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 09:13
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/12/25 17:48
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/09/25 04:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-03 Date Collected: 03/06/25 09:13

Client ID: MW-12S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**10**	Q	21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	21		10-120
4-Terphenyl-d14	78		41-149

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-04
Client ID: MW-12D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 08:46
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 18:52
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-04 Date Collected: 03/06/25 08:46

Client ID: MW-12D Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	87		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-04
Client ID: MW-12D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 08:46
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/13/25 09:58
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/09/25 04:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-04 Date Collected: 03/06/25 08:46

Client ID: MW-12D Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	73		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-05
Client ID: SCDOH_DR
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 11:51
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/13/25 17:55
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-05 Date Collected: 03/06/25 11:51

Client ID: SCDOH_DR Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	83		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-05
Client ID: SCDOH_DR
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 11:51
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/12/25 18:22
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/09/25 04:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-05 Date Collected: 03/06/25 11:51

Client ID: SCDOH_DR Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	84		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-06
Client ID: EQUIPMENT BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 12:00
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270E
Analytical Date: 03/13/25 18:18
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	3.2		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-06 Date Collected: 03/06/25 12:00

Client ID: EQUIPMENT BLANK Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	86		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-06
Client ID: EQUIPMENT BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD

Date Collected: 03/06/25 12:00
Date Received: 03/06/25
Field Prep: Refer to COC

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 1,8270E-SIM
Analytical Date: 03/13/25 08:36
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/09/25 04:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05	1

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-06 Date Collected: 03/06/25 12:00

Client ID: EQUIPMENT BLANK Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	90		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/13/25 13:27
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG2038207-1					
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/13/25 13:27
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG2038207-1					
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	74		41-149

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 17:13
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG2038209-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02
Bis(2-chloroethyl)ether	ND		ug/l	0.10	0.05

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/25 17:13
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/08/25 23:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG2038209-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	74		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG2038207-2 WG2038207-3								
3,3'-Dichlorobenzidine	86		95		40-140	10		30
2,4-Dinitrotoluene	86		89		48-143	3		30
2,6-Dinitrotoluene	90		102		40-140	13		30
4-Chlorophenyl phenyl ether	81		83		40-140	2		30
4-Bromophenyl phenyl ether	80		81		40-140	1		30
Bis(2-chloroisopropyl)ether	93		97		40-140	4		30
Bis(2-chloroethoxy)methane	86		84		40-140	2		30
Hexachlorocyclopentadiene	41		40		40-140	2		30
Isophorone	88		91		40-140	3		30
Nitrobenzene	89		90		40-140	1		30
NDPA/DPA	86		89		40-140	3		30
n-Nitrosodi-n-propylamine	92		94		29-132	2		30
Bis(2-ethylhexyl)phthalate	84		89		40-140	6		30
Butyl benzyl phthalate	84		93		40-140	10		30
Di-n-butylphthalate	86		107		40-140	22		30
Di-n-octylphthalate	83		91		40-140	9		30
Diethyl phthalate	88		93		40-140	6		30
Dimethyl phthalate	88		90		40-140	2		30
Biphenyl	83		83		40-140	0		30
4-Chloroaniline	74		81		40-140	9		30
2-Nitroaniline	89		98		52-143	10		30
3-Nitroaniline	84		95		25-145	12		30
4-Nitroaniline	97		103		51-143	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG2038207-2 WG2038207-3								
Dibenzofuran	79		81		40-140	3		30
1,2,4,5-Tetrachlorobenzene	76		74		2-134	3		30
Acetophenone	98		100		39-129	2		30
2,4,6-Trichlorophenol	74		81		30-130	9		30
p-Chloro-m-cresol	76		79		23-97	4		30
2-Chlorophenol	71		75		27-123	5		30
2,4-Dichlorophenol	81		84		30-130	4		30
2,4-Dimethylphenol	51		59		30-130	15		30
2-Nitrophenol	80		87		30-130	8		30
4-Nitrophenol	46		49		10-80	6		30
2,4-Dinitrophenol	73		54		20-130	30		30
4,6-Dinitro-o-cresol	82		82		20-164	0		30
Phenol	34		35		12-110	3		30
2-Methylphenol	64		66		30-130	3		30
3-Methylphenol/4-Methylphenol	67		68		30-130	1		30
2,4,5-Trichlorophenol	83		86		30-130	4		30
Carbazole	91		93		55-144	2		30
Atrazine	88		94		40-140	7		30
Benzaldehyde	95		93		40-140	2		30
Caprolactam	28		29		10-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG2038207-2 WG2038207-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		46		21-120
Phenol-d6	34		35		10-120
Nitrobenzene-d5	93		96		23-120
2-Fluorobiphenyl	88		89		15-120
2,4,6-Tribromophenol	81		84		10-120
4-Terphenyl-d14	89		89		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG2038209-2 WG2038209-3								
Acenaphthene	94		91		40-140	3		40
2-Chloronaphthalene	78		78		40-140	0		40
Fluoranthene	91		87		40-140	4		40
Hexachlorobutadiene	64		59		40-140	8		40
Naphthalene	82		78		40-140	5		40
Benzo(a)anthracene	110		108		40-140	2		40
Benzo(a)pyrene	116		114		40-140	2		40
Benzo(b)fluoranthene	110		105		40-140	5		40
Benzo(k)fluoranthene	100		100		40-140	0		40
Chrysene	103		102		40-140	1		40
Acenaphthylene	86		88		40-140	2		40
Anthracene	102		101		40-140	1		40
Benzo(ghi)perylene	138		132		40-140	4		40
Fluorene	97		96		40-140	1		40
Phenanthrene	101		101		40-140	0		40
Dibenzo(a,h)anthracene	136		130		40-140	5		40
Indeno(1,2,3-cd)pyrene	**142**	Q	136		40-140	4		40
Pyrene	89		85		40-140	5		40
2-Methylnaphthalene	73		72		40-140	1		40
Pentachlorophenol	97		97		40-140	0		40
Hexachlorobenzene	105		102		40-140	3		40
Hexachloroethane	58		54		40-140	7		40
Bis(2-chloroethyl)ether	111		107		40-140	4		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG2038209-2 WG2038209-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		61		21-120
Phenol-d6	44		43		10-120
Nitrobenzene-d5	106		102		23-120
2-Fluorobiphenyl	88		87		15-120
2,4,6-Tribromophenol	93		97		10-120
4-Terphenyl-d14	85		80		41-149

METALS

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-01 Date Collected: 03/06/25 10:30

Client ID: MW-4S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Barium, Total	0.0486		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Calcium, Total	15.4		mg/l	0.100	0.0350	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Iron, Total	ND		mg/l	0.0500	0.0090	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Magnesium, Total	4.88		mg/l	0.100	0.0153	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0042	J	mg/l	0.0100	0.0016	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 12:04	03/12/25 11:09	EPA 245.1	3,245.1	CME
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Potassium, Total	1.73	J	mg/l	2.50	0.237	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Sodium, Total	55.9		mg/l	2.00	0.120	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/11/25 12:59	03/12/25 21:08	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0502		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-01 Date Collected: 03/06/25 10:30

Client ID: MW-4S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	15.5		mg/l	0.100	0.0350	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	4.93		mg/l	0.100	0.0153	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	0.0024	J	mg/l	0.0100	0.0016	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 12:45	EPA 245.1	3,245.1	JWN
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.65	J	mg/l	2.50	0.237	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	55.8		mg/l	2.00	0.120	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	0.0021	J	mg/l	0.0050	0.0021	1	03/11/25 17:26	03/12/25 22:27	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-02 Date Collected: 03/06/25 10:24

Client ID: MW-4D2 Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Barium, Total	0.0122		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Calcium, Total	10.3		mg/l	0.100	0.0350	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Chromium, Total	0.0055	J	mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Iron, Total	0.0570		mg/l	0.0500	0.0090	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Magnesium, Total	4.43		mg/l	0.100	0.0153	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0019	J	mg/l	0.0100	0.0016	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 12:04	03/12/25 11:12	EPA 245.1	3,245.1	CME
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Potassium, Total	0.854	J	mg/l	2.50	0.237	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Sodium, Total	6.41		mg/l	2.00	0.120	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Zinc, Total	0.0073		mg/l	0.0050	0.0021	1	03/11/25 12:59	03/12/25 21:15	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0137		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-02 Date Collected: 03/06/25 10:24

Client ID: MW-4D2 Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	11.4		mg/l	0.100	0.0350	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	0.0031	J	mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Iron, Dissolved	0.0103	J	mg/l	0.0500	0.0090	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	5.22		mg/l	0.100	0.0153	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 12:48	EPA 245.1	3,245.1	JWN
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	0.860	J	mg/l	2.50	0.237	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	7.47		mg/l	2.00	0.120	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	0.0046	J	mg/l	0.0050	0.0021	1	03/11/25 17:26	03/12/25 22:34	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-03 Date Collected: 03/06/25 09:13

Client ID: MW-12S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Barium, Total	0.0580		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Calcium, Total	5.84		mg/l	0.100	0.0350	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Iron, Total	0.0603		mg/l	0.0500	0.0090	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Magnesium, Total	2.03		mg/l	0.100	0.0153	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0206		mg/l	0.0100	0.0016	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 12:04	03/12/25 11:22	EPA 245.1	3,245.1	CME
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Potassium, Total	1.25	J	mg/l	2.50	0.237	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Sodium, Total	73.3		mg/l	2.00	0.120	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Zinc, Total	0.0025	J	mg/l	0.0050	0.0021	1	03/11/25 12:59	03/12/25 21:21	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0562		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-03 Date Collected: 03/06/25 09:13

Client ID: MW-12S Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	5.52		mg/l	0.100	0.0350	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	2.06		mg/l	0.100	0.0153	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	0.0166		mg/l	0.0100	0.0016	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 12:51	EPA 245.1	3,245.1	JWN
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.13	J	mg/l	2.50	0.237	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	69.2		mg/l	2.00	0.120	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/11/25 17:26	03/12/25 22:40	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-04 Date Collected: 03/06/25 08:46

Client ID: MW-12D Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Barium, Total	0.0344		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Calcium, Total	13.6		mg/l	0.100	0.0350	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Chromium, Total	0.0044	J	mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Iron, Total	0.0163	J	mg/l	0.0500	0.0090	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Magnesium, Total	5.39		mg/l	0.100	0.0153	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 12:04	03/12/25 11:25	EPA 245.1	3,245.1	CME
Nickel, Total	0.0036	J	mg/l	0.0250	0.0024	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Potassium, Total	1.12	J	mg/l	2.50	0.237	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Sodium, Total	13.3		mg/l	2.00	0.120	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Zinc, Total	0.0115		mg/l	0.0050	0.0021	1	03/11/25 12:59	03/12/25 21:28	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0351		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-04 Date Collected: 03/06/25 08:46

Client ID: MW-12D Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	13.4		mg/l	0.100	0.0350	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	0.0038	J	mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	5.37		mg/l	0.100	0.0153	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 12:55	EPA 245.1	3,245.1	JWN
Nickel, Dissolved	0.0039	J	mg/l	0.0250	0.0024	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.03	J	mg/l	2.50	0.237	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	13.2		mg/l	2.00	0.120	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	0.0118		mg/l	0.0050	0.0021	1	03/11/25 17:26	03/12/25 22:46	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-05 Date Collected: 03/06/25 11:51

Client ID: SCDOH_DR Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Barium, Total	0.0150		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Calcium, Total	14.4		mg/l	0.100	0.0350	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Iron, Total	0.0626		mg/l	0.0500	0.0090	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Magnesium, Total	6.12		mg/l	0.100	0.0153	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Manganese, Total	0.0169		mg/l	0.0100	0.0016	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 12:04	03/12/25 11:29	EPA 245.1	3,245.1	CME
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Potassium, Total	1.53	J	mg/l	2.50	0.237	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Sodium, Total	22.0		mg/l	2.00	0.120	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/11/25 12:59	03/12/25 21:35	EPA 3005A	19,200.7	DHL
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0146		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-05 Date Collected: 03/06/25 11:51

Client ID: SCDOH_DR Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	13.5		mg/l	0.100	0.0350	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	0.0023	J	mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Iron, Dissolved	0.0095	J	mg/l	0.0500	0.0090	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	6.14		mg/l	0.100	0.0153	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	ND		mg/l	0.0100	0.0016	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 12:58	EPA 245.1	3,245.1	JWN
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	1.34	J	mg/l	2.50	0.237	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	20.4		mg/l	2.00	0.120	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/11/25 17:26	03/12/25 22:53	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-06 Date Collected: 03/06/25 12:00

Client ID: EQUIPMENT BLANK Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Equipment Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.217		mg/l	0.100	0.0318	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Barium, Total	0.0024	J	mg/l	0.0100	0.0021	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Calcium, Total	0.115		mg/l	0.100	0.0350	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Iron, Total	0.271		mg/l	0.0500	0.0090	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Magnesium, Total	0.0600	J	mg/l	0.100	0.0153	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Manganese, Total	0.0136		mg/l	0.0100	0.0016	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 12:04	03/12/25 11:32	EPA 245.1	3,245.1	CME
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Potassium, Total	ND		mg/l	2.50	0.237	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Sodium, Total	ND		mg/l	2.00	0.120	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/11/25 12:59	03/13/25 13:00	EPA 3005A	19,200.7	JMF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.220		mg/l	0.100	0.0318	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Barium, Dissolved	0.0025	J	mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-06 Date Collected: 03/06/25 12:00

Client ID: EQUIPMENT BLANK Date Received: 03/06/25

Sample Location: 416 MILLER PLACE-YAPHANK ROAD Field Prep: Refer to COC

Sample Depth:

Matrix: Equipment Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Calcium, Dissolved	0.102		mg/l	0.100	0.0350	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Copper, Dissolved	0.0041	J	mg/l	0.0100	0.0022	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Iron, Dissolved	0.274		mg/l	0.0500	0.0090	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Magnesium, Dissolved	0.0643	J	mg/l	0.100	0.0153	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Manganese, Dissolved	0.0126		mg/l	0.0100	0.0016	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 13:01	EPA 245.1	3,245.1	JWN
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Sodium, Dissolved	ND		mg/l	2.00	0.120	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC
Zinc, Dissolved	0.0040	J	mg/l	0.0050	0.0021	1	03/11/25 17:26	03/12/25 22:59	EPA 3005A	19,200.7	DMC

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-06 Batch: WG2039054-1										
Aluminum, Dissolved	ND		mg/l	0.100	0.0318	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Antimony, Dissolved	ND		mg/l	0.0500	0.0071	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Arsenic, Dissolved	ND		mg/l	0.0050	0.0019	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Barium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Beryllium, Dissolved	ND		mg/l	0.0050	0.0009	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Cadmium, Dissolved	ND		mg/l	0.0050	0.0010	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Calcium, Dissolved	ND		mg/l	0.100	0.0350	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Chromium, Dissolved	ND		mg/l	0.0100	0.0021	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Cobalt, Dissolved	ND		mg/l	0.0200	0.0017	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Copper, Dissolved	ND		mg/l	0.0100	0.0022	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Iron, Dissolved	ND		mg/l	0.0500	0.0090	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Lead, Dissolved	ND		mg/l	0.0100	0.0027	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Magnesium, Dissolved	ND		mg/l	0.100	0.0153	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Manganese, Dissolved	0.0033	J	mg/l	0.0100	0.0016	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Nickel, Dissolved	ND		mg/l	0.0250	0.0024	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Selenium, Dissolved	ND		mg/l	0.0100	0.0035	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Silver, Dissolved	ND		mg/l	0.0070	0.0028	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Sodium, Dissolved	ND		mg/l	2.00	0.120	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Thallium, Dissolved	ND		mg/l	0.0200	0.0025	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Vanadium, Dissolved	ND		mg/l	0.0100	0.0020	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC
Zinc, Dissolved	ND		mg/l	0.0050	0.0021	1	03/11/25 12:59	03/12/25 19:37	19,200.7	DMC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-06 Batch: WG2039058-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	03/11/25 12:04	03/12/25 11:29	3,245.1	JWN

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG2039059-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Barium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Calcium, Total	0.0502	J	mg/l	0.100	0.0350	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Iron, Total	ND		mg/l	0.0500	0.0090	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Magnesium, Total	ND		mg/l	0.100	0.0153	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Potassium, Total	ND		mg/l	2.50	0.237	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Sodium, Total	ND		mg/l	2.00	0.120	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL
Zinc, Total	ND		mg/l	0.0050	0.0021	1	03/11/25 17:26	03/12/25 13:42	19,200.7	DHL

Prep Information

Digestion Method: EPA 3005A

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG2039060-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/11/25 20:37	03/12/25 09:53	3,245.1	CME

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG2039054-2								
Aluminum, Dissolved	96		-		85-115	-		
Antimony, Dissolved	92		-		85-115	-		
Arsenic, Dissolved	91		-		85-115	-		
Barium, Dissolved	93		-		85-115	-		
Beryllium, Dissolved	95		-		85-115	-		
Cadmium, Dissolved	99		-		85-115	-		
Calcium, Dissolved	96		-		85-115	-		
Chromium, Dissolved	104		-		85-115	-		
Cobalt, Dissolved	98		-		85-115	-		
Copper, Dissolved	102		-		85-115	-		
Iron, Dissolved	100		-		85-115	-		
Lead, Dissolved	97		-		85-115	-		
Magnesium, Dissolved	101		-		85-115	-		
Manganese, Dissolved	96		-		85-115	-		
Nickel, Dissolved	97		-		85-115	-		
Potassium, Dissolved	96		-		85-115	-		
Selenium, Dissolved	90		-		85-115	-		
Silver, Dissolved	99		-		85-115	-		
Sodium, Dissolved	96		-		85-115	-		
Thallium, Dissolved	92		-		85-115	-		
Vanadium, Dissolved	101		-		85-115	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG2039054-2					
Zinc, Dissolved	100	-	85-115	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG2039058-2					
Mercury, Dissolved	94	-	85-115	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG2039059-2					
Aluminum, Total	104	-	85-115	-	
Antimony, Total	91	-	85-115	-	
Arsenic, Total	92	-	85-115	-	
Barium, Total	98	-	85-115	-	
Beryllium, Total	100	-	85-115	-	
Cadmium, Total	94	-	85-115	-	
Calcium, Total	103	-	85-115	-	
Chromium, Total	96	-	85-115	-	
Cobalt, Total	92	-	85-115	-	
Copper, Total	104	-	85-115	-	
Iron, Total	104	-	85-115	-	
Lead, Total	96	-	85-115	-	
Magnesium, Total	100	-	85-115	-	
Manganese, Total	103	-	85-115	-	
Nickel, Total	95	-	85-115	-	
Potassium, Total	104	-	85-115	-	
Selenium, Total	91	-	85-115	-	
Silver, Total	101	-	85-115	-	
Sodium, Total	104	-	85-115	-	
Thallium, Total	89	-	85-115	-	
Vanadium, Total	100	-	85-115	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG2039059-2					
Zinc, Total	91	-	85-115	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG2039060-2					
Mercury, Total	94	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039054-3 WG2039054-4 QC Sample: L2512368-10 Client ID: MS Sample												
Aluminum, Dissolved	ND	2	1.87	94		1.96	98		75-125	5		20
Antimony, Dissolved	ND	0.5	0.466	93		0.473	95		75-125	1		20
Arsenic, Dissolved	ND	0.12	0.111	92		0.112	93		75-125	1		20
Barium, Dissolved	0.0304	2	1.84	90		1.92	94		75-125	4		20
Beryllium, Dissolved	ND	0.05	0.0466	93		0.0487	97		75-125	4		20
Cadmium, Dissolved	ND	0.053	0.0523	99		0.0528	100		75-125	1		20
Calcium, Dissolved	13.1	10	21.8	87		23.0	99		75-125	5		20
Chromium, Dissolved	ND	0.2	0.207	104		0.209	104		75-125	1		20
Cobalt, Dissolved	ND	0.5	0.484	97		0.488	98		75-125	1		20
Copper, Dissolved	ND	0.25	0.255	102		0.256	102		75-125	0		20
Iron, Dissolved	ND	1	0.968	97		1.01	101		75-125	4		20
Lead, Dissolved	ND	0.53	0.512	97		0.517	98		75-125	1		20
Magnesium, Dissolved	2.67	10	12.6	99		12.8	101		75-125	2		20
Manganese, Dissolved	ND	0.5	0.467	93		0.486	97		75-125	4		20
Nickel, Dissolved	ND	0.5	0.482	96		0.486	97		75-125	1		20
Potassium, Dissolved	2.02J	10	11.4	114		11.9	119		75-125	4		20
Selenium, Dissolved	ND	0.12	0.111	92		0.111	92		75-125	0		20
Silver, Dissolved	ND	0.05	0.0490	98		0.0499	100		75-125	2		20
Sodium, Dissolved	11.1	10	20.1	90		21.1	100		75-125	5		20
Thallium, Dissolved	ND	0.12	0.110	92		0.111	92		75-125	1		20
Vanadium, Dissolved	ND	0.5	0.505	101		0.510	102		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039054-3 WG2039054-4 QC Sample: L2512368-10 Client ID: MS Sample									
Zinc, Dissolved	0.0173	0.5	0.512	99	0.518	100	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039054-7 QC Sample: L2512368-01 Client ID: MS Sample									
Aluminum, Dissolved	ND	2	1.99	100	-	-	75-125	-	20
Antimony, Dissolved	ND	0.5	0.471	94	-	-	75-125	-	20
Arsenic, Dissolved	ND	0.12	0.112	93	-	-	75-125	-	20
Barium, Dissolved	0.0145	2	1.94	96	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.0500	100	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.053	0.0530	100	-	-	75-125	-	20
Calcium, Dissolved	22.8	10	33.3	105	-	-	75-125	-	20
Chromium, Dissolved	ND	0.2	0.207	104	-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.490	98	-	-	75-125	-	20
Copper, Dissolved	0.0061J	0.25	0.262	105	-	-	75-125	-	20
Iron, Dissolved	ND	1	1.03	103	-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.518	98	-	-	75-125	-	20
Magnesium, Dissolved	4.71	10	14.9	102	-	-	75-125	-	20
Manganese, Dissolved	ND	0.5	0.499	100	-	-	75-125	-	20
Nickel, Dissolved	ND	0.5	0.488	98	-	-	75-125	-	20
Potassium, Dissolved	1.66J	10	11.9	119	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.112	93	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.0501	100	-	-	75-125	-	20
Sodium, Dissolved	8.71	10	19.0	103	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.110	92	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.510	102	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039054-7 QC Sample: L2512368-01 Client ID: MS Sample									
Zinc, Dissolved	0.0272	0.5	0.530	100	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039058-3 WG2039058-4 QC Sample: L2512368-10 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00492	98	0.00480	96	75-125	2	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039058-5 QC Sample: L2512368-02 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00406	81	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06	QC Batch ID: WG2039059-3				WG2039059-4		QC Sample: L2512368-10		Client ID: MS Sample
Aluminum, Total	ND	2	2.07	104	2.06	103	75-125	0	20
Antimony, Total	ND	0.5	0.465	93	0.465	93	75-125	0	20
Arsenic, Total	ND	0.12	0.113	94	0.113	94	75-125	0	20
Barium, Total	0.0308	2	1.98	97	1.96	96	75-125	1	20
Beryllium, Total	ND	0.05	0.0503	101	0.0499	100	75-125	1	20
Cadmium, Total	ND	0.053	0.0497	94	0.0497	94	75-125	0	20
Calcium, Total	13.8	10	23.4	96	23.6	98	75-125	1	20
Chromium, Total	ND	0.2	0.194	97	0.193	96	75-125	1	20
Cobalt, Total	ND	0.5	0.458	92	0.457	91	75-125	0	20
Copper, Total	ND	0.25	0.263	105	0.261	104	75-125	1	20
Iron, Total	0.0168J	1	1.03	103	1.03	103	75-125	0	20
Lead, Total	ND	0.53	0.506	95	0.511	96	75-125	1	20
Magnesium, Total	2.72	10	12.6	99	12.7	100	75-125	1	20
Manganese, Total	0.0016J	0.5	0.509	102	0.506	101	75-125	1	20
Nickel, Total	ND	0.5	0.474	95	0.473	95	75-125	0	20
Potassium, Total	2.19J	10	12.5	125	12.5	125	75-125	0	20
Selenium, Total	ND	0.12	0.113	94	0.113	94	75-125	0	20
Silver, Total	ND	0.05	0.0510	102	0.0512	102	75-125	0	20
Sodium, Total	12.2	10	22.5	103	22.5	103	75-125	0	20
Thallium, Total	ND	0.12	0.108	90	0.109	91	75-125	1	20
Vanadium, Total	ND	0.5	0.500	100	0.495	99	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039059-3 WG2039059-4 QC Sample: L2512368-10 Client ID: MS Sample									
Zinc, Total	0.0125	0.5	0.470	92	0.471	92	75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039059-7 QC Sample: L2512368-01 Client ID: MS Sample									
Aluminum, Total	ND	2	2.02	101	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.465	93	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.109	91	-	-	75-125	-	20
Barium, Total	0.0152	2	1.93	96	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0492	98	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.0486	92	-	-	75-125	-	20
Calcium, Total	24.1	10	33.0	89	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.192	96	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.457	91	-	-	75-125	-	20
Copper, Total	ND	0.25	0.241	96	-	-	75-125	-	20
Iron, Total	0.0097J	1	0.994	99	-	-	75-125	-	20
Lead, Total	ND	0.53	0.490	92	-	-	75-125	-	20
Magnesium, Total	4.70	10	14.4	97	-	-	75-125	-	20
Manganese, Total	0.0180	0.5	0.494	95	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.461	92	-	-	75-125	-	20
Potassium, Total	1.89J	10	12.5	125	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.111	92	-	-	75-125	-	20
Silver, Total	ND	0.05	0.0500	100	-	-	75-125	-	20
Sodium, Total	9.18	10	19.2	100	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.105	88	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.477	95	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039059-7 QC Sample: L2512368-01 Client ID: MS Sample									
Zinc, Total	0.0134	0.5	0.475	92	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039060-3 WG2039060-4 QC Sample: L2512368-10 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00470	94	0.00458	92	70-130	3	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039060-5 QC Sample: L2512368-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00463	93	-	-	70-130	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039054-8 QC Sample: L2512368-01 Client ID: DUP Sample						
Aluminum, Dissolved	ND	ND	mg/l	NC		20
Antimony, Dissolved	ND	ND	mg/l	NC		20
Arsenic, Dissolved	ND	ND	mg/l	NC		20
Barium, Dissolved	0.0145	0.0156	mg/l	7		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	22.8	23.8	mg/l	4		20
Chromium, Dissolved	ND	ND	mg/l	NC		20
Cobalt, Dissolved	ND	ND	mg/l	NC		20
Copper, Dissolved	0.0061J	0.0061J	mg/l	NC		20
Iron, Dissolved	ND	ND	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Magnesium, Dissolved	4.71	4.85	mg/l	3		20
Manganese, Dissolved	ND	ND	mg/l	NC		20
Nickel, Dissolved	ND	ND	mg/l	NC		20
Potassium, Dissolved	1.66J	1.76J	mg/l	NC		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	8.71	9.09	mg/l	4		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039054-8 QC Sample: L2512368-01 Client ID: DUP Sample					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.0272	0.0278	mg/l	2	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039058-6 QC Sample: L2512368-02 Client ID: DUP Sample					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039059-8 QC Sample: L2512368-01 Client ID: DUP Sample					
Aluminum, Total	ND	ND	mg/l	NC	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.0152	0.0151	mg/l	1	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	24.1	23.8	mg/l	1	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	0.0097J	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	4.70	4.66	mg/l	1	20
Manganese, Total	0.0180	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	1.89J	1.88J	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	9.18	9.12	mg/l	1	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039059-8 QC Sample: L2512368-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.0134	0.0132	mg/l	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039060-6 QC Sample: L2512368-02 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039054-10 QC Sample: L2512368-01 Client ID: DUP Sample						
Calcium, Dissolved	22.8	24.2	mg/l	6		20
Magnesium, Dissolved	4.71	4.81	mg/l	2		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039054-6 QC Sample: L2512368-10 Client ID: DUP Sample						
Calcium, Dissolved	13.1	14.1	mg/l	8		20
Magnesium, Dissolved	2.67	2.74	mg/l	3		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039059-10 QC Sample: L2512368-01 Client ID: DUP Sample						
Calcium, Total	24.1	23.8	mg/l	1		20
Magnesium, Total	4.70	4.75	mg/l	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG2039059-6 QC Sample: L2512368-10 Client ID: DUP Sample						
Calcium, Total	13.8	13.8	mg/l	0		20
Magnesium, Total	2.72	2.70	mg/l	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-01
Client ID: MW-4S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/06/25 10:30
Date Received: 03/06/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/12/25 08:57	121,2320B	MKT
Alkalinity, Bicarbonate	39.4		mg CaCO3/L	2.00	NA	1	-	03/12/25 08:57	121,2320B	MKT
Solids, Total Dissolved	240		mg/l	13	4.0	1.3	-	03/11/25 21:21	121,2540C	REM
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/11/25 08:43	121,2540D	BAY
Chloride	66.		mg/l	1.0	0.89	1	-	03/10/25 15:44	121,4500CL-E	JER
Fluoride	0.03	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/08/25 02:43	121,4500NO3-F	KAF
Nitrogen, Nitrate	9.41		mg/l	0.500	0.114	5	-	03/08/25 05:25	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	9.4		mg/l	0.50	0.23	5	-	03/08/25 05:25	121,4500NO3-F	KAF
Total Nitrogen	9.4		mg/l	0.50	0.48	1.6	-	03/13/25 14:40	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:46	4,351.1	KEM
Phosphate, Total	0.037		mg/l	0.031	0.012	1	03/12/25 09:41	03/12/25 14:28	121,4500P-E(M)	MEF
Sulfate	8.5	J	mg/l	10	1.4	1	03/11/25 14:20	03/11/25 14:20	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.050		mg/l	0.050	0.013	1	-	03/10/25 19:36	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-02
Client ID: MW-4D2
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/06/25 10:24
Date Received: 03/06/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:01	121,2320B	MKT
Alkalinity, Bicarbonate	24.8		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:01	121,2320B	MKT
Solids, Total Dissolved	94.		mg/l	13	4.0	1.3	-	03/11/25 21:21	121,2540C	REM
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/11/25 08:43	121,2540D	BAY
Chloride	9.8		mg/l	1.0	0.89	1	-	03/10/25 14:35	121,4500CL-E	JER
Fluoride	0.05	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/08/25 02:49	121,4500NO3-F	KAF
Nitrogen, Nitrate	1.42		mg/l	0.100	0.022	1	-	03/08/25 04:19	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	1.4		mg/l	0.10	0.046	1	-	03/08/25 04:19	121,4500NO3-F	KAF
Total Nitrogen	1.4		mg/l	0.30	0.30	1	-	03/13/25 14:40	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:47	4,351.1	KEM
Phosphate, Total	0.068		mg/l	0.031	0.012	1	03/12/25 09:41	03/12/25 14:29	121,4500P-E(M)	MEF
Sulfate	12.		mg/l	10	1.4	1	03/11/25 14:20	03/11/25 14:20	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.048	J	mg/l	0.050	0.013	1	-	03/10/25 19:48	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-03
Client ID: MW-12S
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/06/25 09:13
Date Received: 03/06/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:03	121,2320B	MKT
Alkalinity, Bicarbonate	20.5		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:03	121,2320B	MKT
Solids, Total Dissolved	250		mg/l	13	4.0	1.3	-	03/11/25 21:21	121,2540C	REM
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/11/25 12:46	121,2540D	BAY
Chloride	90.		mg/l	1.0	0.89	1	-	03/10/25 14:36	121,4500CL-E	JER
Fluoride	0.03	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/08/25 02:53	121,4500NO3-F	KAF
Nitrogen, Nitrate	3.66		mg/l	0.100	0.022	1	-	03/08/25 02:53	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	3.7		mg/l	0.10	0.046	1	-	03/08/25 02:53	121,4500NO3-F	KAF
Total Nitrogen	3.7		mg/l	0.30	0.30	1	-	03/13/25 14:40	107,-	JRO
Nitrogen, Total Kjeldahl	0.090	J	mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:48	4,351.1	KEM
Phosphate, Total	0.043		mg/l	0.031	0.012	1	03/12/25 09:41	03/12/25 14:30	121,4500P-E(M)	MEF
Sulfate	18.		mg/l	10	1.4	1	03/12/25 11:30	03/12/25 11:30	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.047	J	mg/l	0.050	0.013	1	-	03/10/25 20:00	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-04
Client ID: MW-12D
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/06/25 08:46
Date Received: 03/06/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:04	121,2320B	MKT
Alkalinity, Bicarbonate	25.9		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:04	121,2320B	MKT
Solids, Total Dissolved	130		mg/l	13	4.0	1.3	-	03/11/25 21:21	121,2540C	REM
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/11/25 12:46	121,2540D	BAY
Chloride	19.		mg/l	1.0	0.89	1	-	03/10/25 14:37	121,4500CL-E	JER
Fluoride	0.04	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/08/25 02:54	121,4500NO3-F	KAF
Nitrogen, Nitrate	4.62		mg/l	0.100	0.022	1	-	03/08/25 02:54	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	4.6		mg/l	0.10	0.046	1	-	03/08/25 02:54	121,4500NO3-F	KAF
Total Nitrogen	4.6		mg/l	0.30	0.30	1	-	03/13/25 14:40	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:49	4,351.1	KEM
Phosphate, Total	0.028	J	mg/l	0.031	0.012	1	03/12/25 09:41	03/12/25 14:31	121,4500P-E(M)	MEF
Sulfate	17.		mg/l	10	1.4	1	03/12/25 11:30	03/12/25 11:30	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.070		mg/l	0.050	0.013	1	-	03/10/25 20:48	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-05
Client ID: SCDOH_DR
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Water

Date Collected: 03/06/25 11:51
Date Received: 03/06/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:06	121,2320B	MKT
Alkalinity, Bicarbonate	22.0		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:06	121,2320B	MKT
Solids, Total Dissolved	150		mg/l	13	4.0	1.3	-	03/11/25 21:21	121,2540C	REM
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/11/25 08:43	121,2540D	BAY
Chloride	40.		mg/l	1.0	0.89	1	-	03/10/25 14:37	121,4500CL-E	JER
Fluoride	0.03	J	mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/08/25 02:56	121,4500NO3-F	KAF
Nitrogen, Nitrate	3.79		mg/l	0.100	0.022	1	-	03/08/25 02:56	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	3.8		mg/l	0.10	0.046	1	-	03/08/25 02:56	121,4500NO3-F	KAF
Total Nitrogen	3.8		mg/l	0.30	0.30	1	-	03/13/25 14:40	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:55	4,351.1	KEM
Phosphate, Total	0.031		mg/l	0.031	0.012	1	03/12/25 09:41	03/12/25 14:34	121,4500P-E(M)	MEF
Sulfate	15.		mg/l	10	1.4	1	03/12/25 11:30	03/12/25 11:30	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.052		mg/l	0.050	0.013	1	-	03/10/25 21:00	44,300.0	AVT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

SAMPLE RESULTS

Lab ID: L2512607-06
Client ID: EQUIPMENT BLANK
Sample Location: 416 MILLER PLACE-YAPHANK ROAD
Sample Depth:
Matrix: Equipment Blank

Date Collected: 03/06/25 12:00
Date Received: 03/06/25
Field Prep: Refer to COC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:08	121,2320B	MKT
Alkalinity, Bicarbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/12/25 09:08	121,2320B	MKT
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	03/11/25 21:21	121,2540C	REM
Solids, Total Suspended	8.3		mg/l	5.0	NA	1	-	03/11/25 12:46	121,2540D	BAY
Chloride	ND		mg/l	1.0	0.89	1	-	03/10/25 14:38	121,4500CL-E	JER
Fluoride	ND		mg/l	0.20	0.01	1	03/11/25 00:55	03/11/25 07:07	121,4500F-BC	DTH
Nitrogen, Nitrite	ND		mg/l	0.050	0.013	1	-	03/08/25 02:57	121,4500NO3-F	KAF
Nitrogen, Nitrate	ND		mg/l	0.100	0.022	1	-	03/08/25 02:57	121,4500NO3-F	KAF
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	03/08/25 02:57	121,4500NO3-F	KAF
Total Nitrogen	ND		mg/l	0.30	0.30	1	-	03/13/25 14:40	107,-	JRO
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.066	1	03/11/25 19:05	03/12/25 09:56	4,351.1	KEM
Phosphate, Total	ND		mg/l	0.031	0.012	1	03/13/25 11:26	03/13/25 14:47	121,4500P-E(M)	EYA
Sulfate	2.1	J	mg/l	10	1.4	1	03/12/25 11:30	03/12/25 11:30	121,4500SO4-E	MRW
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.013	1	-	03/10/25 20:12	44,300.0	AVT

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG2037984-1										
Nitrogen, Nitrite	0.019	J	mg/l	0.050	0.013	1	-	03/08/25 02:27	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG2037986-1										
Nitrogen, Nitrate	ND		mg/l	0.100	0.022	1	-	03/08/25 02:31	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG2037987-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	03/08/25 02:31	121,4500NO3-F	KAF
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG2038214-1										
Fluoride	ND		mg/l	0.20	0.01	1	03/09/25 02:55	03/09/25 07:12	121,4500F-BC	DTH
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG2038422-1										
Fluoride	ND		mg/l	0.20	0.01	1	03/11/25 00:55	03/11/25 07:07	121,4500F-BC	DTH
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG2038587-1										
Chloride	ND		mg/l	1.0	0.89	1	-	03/10/25 14:01	121,4500CL-E	JER
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-06 Batch: WG2038793-1										
Bromide	ND		mg/l	0.050	0.013	1	-	03/10/25 16:46	44,300.0	AVT
General Chemistry - Westborough Lab for sample(s): 01-02,05 Batch: WG2038986-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/11/25 08:49	121,2540D	BAY
General Chemistry - Westborough Lab for sample(s): 03-04,06 Batch: WG2039126-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/11/25 12:46	121,2540D	BAY
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG2039177-1										
Sulfate	2.2	J	mg/l	10	1.4	1	03/11/25 14:20	03/11/25 14:20	121,4500SO4-E	MRW
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG2039197-1										
Phosphate, Total	0.018	J	mg/l	0.031	0.012	1	03/12/25 09:41	03/12/25 14:22	121,4500P-E(M)	MEF
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG2039229-1										
Nitrogen, Total Kjeldahl	0.109	J	mg/l	0.300	0.022	1	03/11/25 19:05	03/12/25 09:33	4,351.1	KEM
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG2039309-1										
Solids, Total Dissolved	4.0	J	mg/l	10	3.1	1	-	03/11/25 21:21	121,2540C	REM
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG2039514-1										
Alkalinity, Carbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/12/25 08:52	121,2320B	MKT
Alkalinity, Bicarbonate	ND		mg CaCO3/L	2.00	NA	1	-	03/12/25 08:52	121,2320B	MKT

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005
Lab Number: L2512607
Report Date: 03/28/25

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG2039602-1										
Sulfate	2.1	J	mg/l	10	1.4	1	03/12/25 11:30	03/12/25 11:30	121,4500SO4-E	MRW
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG2040007-1										
Phosphate, Total	ND		mg/l	0.031	0.012	1	03/13/25 11:26	03/13/25 14:18	121,4500P-E(M)	EYA

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG2037984-2								
Nitrogen, Nitrite	101		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG2037986-2								
Nitrogen, Nitrate	103		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG2037987-2								
Nitrogen, Nitrate/Nitrite	102		-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG2038214-2								
Fluoride	91		-		78-120	-		
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG2038422-2								
Fluoride	92		-		78-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG2038587-2								
Chloride	93		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-06 Batch: WG2038793-2								
Bromide	95		-		90-110	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,05 Batch: WG2038986-2					
Solids, Total Suspended	83	-	80-120	-	
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 Batch: WG2039126-2					
Solids, Total Suspended	84	-	80-120	-	
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG2039177-2					
Sulfate	95	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG2039197-2					
Phosphate, Total	93	-	84-118	-	
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG2039229-2					
Nitrogen, Total Kjeldahl	95	-	78-122	-	
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG2039309-2					
Solids, Total Dissolved	89	-	80-120	-	
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG2039602-2					
Sulfate	100	-	90-110	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG2040007-2					
Phosphate, Total	101	-	84-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2037984-4 QC Sample: L2512607-01 Client ID: MW-4S												
Nitrogen, Nitrite	ND	4	3.80	95		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2037986-4 QC Sample: L2512607-01 Client ID: MW-4S												
Nitrogen, Nitrate	9.41	4	13.2	112		-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2037987-4 QC Sample: L2512607-01 Client ID: MW-4S												
Nitrogen, Nitrate/Nitrite	9.4	4	13	108		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2038214-4 QC Sample: L2512325-02 Client ID: MS Sample												
Fluoride	0.05J	1	0.97	97		-	-		69-124	-		13
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG2038422-4 QC Sample: L2512368-10 Client ID: MS Sample												
Fluoride	0.03J	1	0.99	99		-	-		69-124	-		13
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2038587-4 QC Sample: L2512368-10 Client ID: MS Sample												
Chloride	22.	20	41	95		-	-		58-140	-		7
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2038793-3 QC Sample: L2512607-02 Client ID: MW-4D2												
Bromide	0.048J	0.4	0.330	**82**	Q	-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2039177-4 QC Sample: L2512325-02 Client ID: MS Sample												
Sulfate	35.	100	140	102		-	-		55-147	-		14
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2039197-4 QC Sample: L2512325-02 Client ID: MS Sample												
Phosphate, Total	0.132	1.53	1.66	100		-	-		80-120	-		15

Matrix Spike Analysis
Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2039229-4 QC Sample: L2512607-05 Client ID: SCDOH_DR									
Nitrogen, Total Kjeldahl	ND	8	7.84	98	-	-	77-111	-	24
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG2039602-4 QC Sample: L2512368-10 Client ID: MS Sample									
Sulfate	13.	40	52	98	-	-	55-147	-	14
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG2040007-4 QC Sample: L2512607-06 Client ID: EQUIPMENT BLANK									
Phosphate, Total	ND	1.53	1.60	104	-	-	80-120	-	15

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2037984-3 QC Sample: L2512607-01 Client ID: MW-4S						
Nitrogen, Nitrite	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2037986-3 QC Sample: L2512607-01 Client ID: MW-4S						
Nitrogen, Nitrate	9.41	9.27	mg/l	1		17
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2037987-3 QC Sample: L2512607-01 Client ID: MW-4S						
Nitrogen, Nitrate/Nitrite	9.4	9.3	mg/l	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2038214-3 QC Sample: L2512325-02 Client ID: DUP Sample						
Fluoride	0.05J	0.06J	mg/l	NC		13
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG2038422-3 QC Sample: L2512368-10 Client ID: DUP Sample						
Fluoride	0.03J	0.04J	mg/l	NC		13
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2038587-3 QC Sample: L2512368-10 Client ID: DUP Sample						
Chloride	22.	22	mg/l	0		7
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2038793-4 QC Sample: L2512607-02 Client ID: MW-4D2						
Bromide	0.048J	0.048J	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,05 QC Batch ID: WG2038986-3 QC Sample: L2512623-01 Client ID: DUP Sample						
Solids, Total Suspended	190	240	mg/l	23		32
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 QC Batch ID: WG2039126-3 QC Sample: L2512808-01 Client ID: DUP Sample						
Solids, Total Suspended	31.	28	mg/l	10		32

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,06 QC Batch ID: WG2039126-4 QC Sample: L2513071-01 Client ID: DUP Sample						
Solids, Total Suspended	150	230	mg/l	**42**	Q	32
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2039177-3 QC Sample: L2512325-02 Client ID: DUP Sample						
Sulfate	35.	37	mg/l	6		14
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2039197-3 QC Sample: L2512325-02 Client ID: DUP Sample						
Phosphate, Total	0.132	0.120	mg/l	10		15
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2039229-3 QC Sample: L2512607-05 Client ID: SCDOH_DR						
Nitrogen, Total Kjeldahl	ND	ND	mg/l	NC		24
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2039309-3 QC Sample: L2512358-02 Client ID: DUP Sample						
Solids, Total Dissolved	500	510	mg/l	2		10
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2039309-4 QC Sample: L2512358-03 Client ID: DUP Sample						
Solids, Total Dissolved	570	560	mg/l	2		10
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG2039514-2 QC Sample: L2512607-01 Client ID: MW-4S						
Alkalinity, Carbonate	ND	ND	mg CaCO3/L	NC		10
Alkalinity, Bicarbonate	39.4	38.9	mg CaCO3/L	1		9
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG2039602-3 QC Sample: L2512368-10 Client ID: DUP Sample						
Sulfate	13.	12	mg/l	8		14

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG2040007-3 QC Sample: L2512607-06 Client ID: EQUIPMENT BLANK					
Phosphate, Total	ND	ND	mg/l	NC	15

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512607-01A	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-01B	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-01C	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-01D	Amber 100ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-01E	Amber 100ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-01F	Plastic 250ml unpreserved/No Headspace	D	NA		2.3	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512607-01G	Plastic 250ml HNO3 preserved	D	<2	<2	2.3	Y	Absent		NI-UI(180),ZN-RI(180),BA-UI(180),SB-UI(180),ZN-UI(180),AG-UI(180),CA-UI(180),CO-UI(180),K-UI(180),SE-UI(180),TL-RI(180),MG-UI(180),FE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),NA-UI(180),AL-UI(180),MN-UI(180),CR-UI(180),CU-UI(180),V-UI(180),PB-UI(180),V-RI(180),AS-UI(180),TL-UI(180)
L2512607-01H	Plastic 250ml HNO3 preserved	D	<2	<2	2.3	Y	Absent		FE-RI(180),BE-RI(180),K-RI(180),SE-RI(180),AL-RI(180),MG-RI(180),MN-RI(180),SB-RI(180),CO-RI(180),CU-RI(180),CA-RI(180),BA-RI(180),CR-RI(180),AG-RI(180),NI-RI(180),HG-R(28),PB-RI(180),CD-RI(180),NA-RI(180),AS-RI(180)
L2512607-01I	Plastic 500ml H2SO4 preserved	D	<2	<2	2.3	Y	Absent		SUB-AMMONIUM(28)
L2512607-01J	Amber 950ml H2SO4 preserved	D	<2	<2	2.3	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512607-01K	Plastic 950ml unpreserved	D	7	7	2.3	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),BR-300(28),TDS-2540(7)
L2512607-01L	Plastic 950ml unpreserved	D	7	7	2.3	Y	Absent		TSS-2540(7)
L2512607-01M	Plastic 250ml unpreserved	D	7	7	2.3	Y	Absent		SUB-IODIDE(7)
L2512607-02A	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-02B	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-02C	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-02D	Amber 100ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-02E	Amber 100ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-02F	Plastic 250ml unpreserved/No Headspace	C	NA		2.0	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512607-02G	Plastic 250ml HNO3 preserved	C	<2	<2	2.0	Y	Absent		SB-UI(180),ZN-RI(180),BA-UI(180),NI-UI(180),CA-UI(180),ZN-UI(180),AG-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),TL-RI(180),HG-U(28),CD-UI(180),AL-UI(180),CR-UI(180),BE-UI(180),MN-UI(180),NA-UI(180),TL-UI(180),V-RI(180),V-UI(180),PB-UI(180),AS-UI(180),CU-UI(180)
L2512607-02H	Plastic 250ml HNO3 preserved	C	<2	<2	2.0	Y	Absent		FE-RI(180),BE-RI(180),SE-RI(180),K-RI(180),MG-RI(180),AL-RI(180),MN-RI(180),CU-RI(180),CO-RI(180),SB-RI(180),CA-RI(180),BA-RI(180),AG-RI(180),CR-RI(180),HG-R(28),NI-RI(180),AS-RI(180),NA-RI(180),PB-RI(180),CD-RI(180)
L2512607-02I	Plastic 500ml H2SO4 preserved	C	<2	<2	2.0	Y	Absent		SUB-AMMONIUM(28)
L2512607-02J	Amber 950ml H2SO4 preserved	C	<2	<2	2.0	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512607-02K	Plastic 950ml unpreserved	C	7	7	2.0	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512607-02L	Plastic 950ml unpreserved	C	7	7	2.0	Y	Absent		TSS-2540(7)
L2512607-02M	Plastic 250ml unpreserved	C	7	7	2.0	Y	Absent		SUB-IODIDE(7)
L2512607-03A	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512607-03B	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-03C	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-03D	Amber 100ml unpreserved	B	7	7	2.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-03E	Amber 100ml unpreserved	B	7	7	2.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-03F	Plastic 250ml unpreserved/No Headspace	B	NA		2.5	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512607-03G	Plastic 250ml HNO3 preserved	B	<2	<2	2.5	Y	Absent		ZN-RI(180),NI-UI(180),BA-UI(180),SB-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),K-UI(180),CO-UI(180),MG-UI(180),SE-UI(180),TL-RI(180),FE-UI(180),HG-U(28),CD-UI(180),CR-UI(180),BE-UI(180),MN-UI(180),NA-UI(180),AL-UI(180),TL-UI(180),V-RI(180),AS-UI(180),PB-UI(180),V-UI(180),CU-UI(180)
L2512607-03H	Plastic 250ml HNO3 preserved	B	<2	<2	2.5	Y	Absent		FE-RI(180),SE-RI(180),BE-RI(180),K-RI(180),MG-RI(180),AL-RI(180),MN-RI(180),CO-RI(180),SB-RI(180),CU-RI(180),CA-RI(180),BA-RI(180),HG-R(28),NI-RI(180),AG-RI(180),CR-RI(180),PB-RI(180),AS-RI(180),CD-RI(180),NA-RI(180)
L2512607-03I	Plastic 500ml H2SO4 preserved	B	<2	<2	2.5	Y	Absent		SUB-AMMONIUM(28)
L2512607-03J	Amber 950ml H2SO4 preserved	B	<2	<2	2.5	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512607-03K	Plastic 950ml unpreserved	B	7	7	2.5	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512607-03L	Plastic 950ml unpreserved	B	7	7	2.5	Y	Absent		TSS-2540(7)
L2512607-03M	Plastic 250ml unpreserved	B	7	7	2.5	Y	Absent		SUB-IODIDE(7)
L2512607-04A	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-04B	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-04C	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-04D	Amber 100ml unpreserved	B	7	7	2.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-04E	Amber 100ml unpreserved	B	7	7	2.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512607-04F	Plastic 250ml unpreserved/No Headspace	B	NA		2.5	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512607-04G	Plastic 250ml HNO3 preserved	B	<2	<2	2.5	Y	Absent		SB-UI(180),NI-UI(180),BA-UI(180),ZN-RI(180),CA-UI(180),ZN-UI(180),AG-UI(180),K-UI(180),CO-UI(180),FE-UI(180),TL-RI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),NA-UI(180),CR-UI(180),MN-UI(180),AL-UI(180),V-UI(180),AS-UI(180),TL-UI(180),CU-UI(180),PB-UI(180),V-RI(180)
L2512607-04H	Plastic 250ml HNO3 preserved	B	<2	<2	2.5	Y	Absent		FE-RI(180),K-RI(180),SE-RI(180),BE-RI(180),AL-RI(180),MG-RI(180),MN-RI(180),SB-RI(180),CU-RI(180),CO-RI(180),BA-RI(180),CA-RI(180),CR-RI(180),AG-RI(180),NI-RI(180),HG-R(28),AS-RI(180),CD-RI(180),NA-RI(180),PB-RI(180)
L2512607-04I	Plastic 500ml H2SO4 preserved	B	<2	<2	2.5	Y	Absent		SUB-AMMONIUM(28)
L2512607-04J	Amber 950ml H2SO4 preserved	B	<2	<2	2.5	Y	Absent		TPO4-4500(28),TKN-351(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512607-04K	Plastic 950ml unpreserved	B	7	7	2.5	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512607-04L	Plastic 950ml unpreserved	B	7	7	2.5	Y	Absent		TSS-2540(7)
L2512607-04M	Plastic 250ml unpreserved	B	7	7	2.5	Y	Absent		SUB-IODIDE(7)
L2512607-05A	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-05B	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-05C	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-05D	Amber 100ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-05E	Amber 100ml unpreserved	C	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-05F	Plastic 250ml unpreserved/No Headspace	C	NA		2.0	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512607-05G	Plastic 250ml HNO3 preserved	C	<2	<2	2.0	Y	Absent		NI-UI(180),ZN-RI(180),SB-UI(180),BA-UI(180),CA-UI(180),ZN-UI(180),AG-UI(180),K-UI(180),CO-UI(180),TL-RI(180),MG-UI(180),FE-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),MN-UI(180),CR-UI(180),BE-UI(180),NA-UI(180),V-RI(180),V-UI(180),AS-UI(180),CU-UI(180),TL-UI(180),PB-UI(180)
L2512607-05H	Plastic 250ml HNO3 preserved	C	<2	<2	2.0	Y	Absent		FE-RI(180),BE-RI(180),K-RI(180),SE-RI(180),MG-RI(180),AL-RI(180),MN-RI(180),CO-RI(180),SB-RI(180),CU-RI(180),CA-RI(180),BA-RI(180),NI-RI(180),AG-RI(180),CR-RI(180),HG-R(28),NA-RI(180),PB-RI(180),AS-RI(180),CD-RI(180)
L2512607-05I	Plastic 500ml H2SO4 preserved	C	<2	<2	2.0	Y	Absent		SUB-AMMONIUM(28)
L2512607-05J	Amber 950ml H2SO4 preserved	C	<2	<2	2.0	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512607-05K	Plastic 950ml unpreserved	C	7	7	2.0	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512607-05L	Plastic 950ml unpreserved	C	7	7	2.0	Y	Absent		TSS-2540(7)
L2512607-05M	Plastic 250ml unpreserved	C	7	7	2.0	Y	Absent		SUB-IODIDE(7)
L2512607-06A	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-06B	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-06C	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-06D	Amber 100ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-06E	Amber 100ml unpreserved	D	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2512607-06F	Plastic 250ml unpreserved/No Headspace	D	NA		2.3	Y	Absent		ALK-HCO3-2320(14),ALK-CO3-2320(14)
L2512607-06G	Plastic 250ml HNO3 preserved	D	<2	<2	2.3	Y	Absent		ZN-RI(180),BA-UI(180),SB-UI(180),NI-UI(180),CA-UI(180),AG-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),TL-RI(180),HG-U(28),CD-UI(180),MN-UI(180),AL-UI(180),CR-UI(180),NA-UI(180),BE-UI(180),V-UI(180),TL-UI(180),V-RI(180),AS-UI(180),CU-UI(180),PB-UI(180)

*Values in parentheses indicate holding time in days

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2512607
Report Date: 03/28/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2512607-06H	Plastic 250ml HNO3 preserved	D	<2	<2	2.3	Y	Absent		FE-RI(180),BE-RI(180),SE-RI(180),K-RI(180),MG-RI(180),AL-RI(180),MN-RI(180),CO-RI(180),CU-RI(180),SB-RI(180),BA-RI(180),CA-RI(180),AG-RI(180),NI-RI(180),HG-R(28),CR-RI(180),AS-RI(180),CD-RI(180),NA-RI(180),PB-RI(180)
L2512607-06I	Plastic 500ml H2SO4 preserved	D	<2	<2	2.3	Y	Absent		SUB-AMMONIUM(28)
L2512607-06J	Amber 950ml H2SO4 preserved	D	<2	<2	2.3	Y	Absent		TKN-351(28),TPO4-4500(28),NO3/NO2-4500(28),TNITROGEN(28)
L2512607-06K	Plastic 950ml unpreserved	D	7	7	2.3	Y	Absent		SO4-4500(28),F-4500(28),CL-4500(28),NO3-4500(2),NO2-4500NO3(2),TDS-2540(7),BR-300(28)
L2512607-06L	Plastic 950ml unpreserved	D	7	7	2.3	Y	Absent		TSS-2540(7)
L2512607-06M	Plastic 250ml unpreserved	D	7	7	2.3	Y	Absent		SUB-IODIDE(7)
L2512607-07A	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)
L2512607-07B	Vial HCl preserved	C	NA		2.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512607
Project Number:	2232.0006Y005	**Report Date:**	03/28/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512607
Project Number:	2232.0006Y005	**Report Date:**	03/28/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORAM MATERIALS	**Lab Number:**	L2512607
Project Number:	2232.0006Y005	**Report Date:**	03/28/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CORAM MATERIALS **Lab Number:** L2512607

Project Number: 2232.0006Y005 **Report Date:** 03/28/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

L2512607
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 3/7/25

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	TDS-2540/TSS-2540	Cl-4500/ Br-300	NO3-4500	NO2-4500	TOTALNITROGEN(tkn 35	Sample Specific Comments	Total Bottles
12607-01	MW-4S	3/6/25	1030	AQ	AI	X	X	X	X	X	X	X	X		15
-02	MW-4D2	3/6/25	1024	AQ	AI	X	X	X	X	X	X	X	X		15
-03	MW-12S	3/6/25	9:13	AQ	AI	X	X	X	X	X	X	X	X		15
-04	MW-12D	3/6/25	8:46	AQ	AI	X	X	X	X	X	X	X	X		15
-05	SCDOH-DR	3/5/25	1151	AQ	AI	X	X	X	X	X	X	X	X		15
-06	Equipment blank	3/6/25	1200	AQ	AI	X	X	X	X	X	X	X	X		15
-07	Trip blank	3/6/25	–	AQ	AI	X									2
Container Type						V	A	P	A	P	A	A	A		
Preservative						B	A	C	A	A	D	D	D		

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
[signature]	3/6/25 1730	[signature]	3/6/25 1730
[signature]	3/6/25 1810	[signature]	3/6/25 1810
Anthony Green		Anthony Green	MAR 06 2025 2100
[signature]	3/7/25 0435	[signature]	3/7/25 0435

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

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 3

Date Rec'd in Lab: 3/7/25

ALPHA Job #: L25 12607

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.00006
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB IODIDE send from WB to PACE INDY/ SUB AMMONIUM send from WB to Galbraith Laboratories

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	SO4-4500	Alk-HCO3-2320	Alk-CO3-2320	F-4500	TPO4-4500	SUB-IODIDE	SUB-AMMONIUM	Sample Specific Comments	Total Bottle
12607-01	MW-4S	3/6/25	1030	AQ	AI	X	X	X	X	X	X	X		15
-02	MW-4D2	3/6/25	1024			X	X	X	X	X	X	X		15
-03	MW-12S	3/6/25	913			X	X	X	X	X	X	X		15
-04	MW-12D	3/6/25	846			X	X	X	X	X	X	X		15
-05	SCDOH-DR	3/6/25	1150			X	X	X	X	X	X	X		15
-06	Equipment blank	3/6/25	1200			X	X	X	X	X	X	X		15
-07	Trip blank	-	-		-									2

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	P	P	P	P	A	P	P	
Preservative	A	A	A	A	D	A	D	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/6/25 1330	[signature]	3/6/25 13:50
[signature]	3/6/25 18:10	WSSC	3/6/25 18:10
		Anthony Green	MAR 06 2025 01:30
Anthony Green		[signature]	3/7/25 0700
[signature] 3/7/25 0435		[signature]	3/7/25 0435

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

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 3

Date Rec'd in Lab

ALPHA Job #

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232 0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS: SUB-SULFIDE

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	SUB-SULFIDE	Sample Specific Comments	Total Bottle
	MW-45	3/5/25	1030	AQ	AI	X		1S
	MW-40D	"	1024	"	AI	X		1S
	MW-12S	"	913	"	"	X		1S
	MW-12D	"	846	"	"	X		1S
	SCDOH DR	"	1151	"	"	X		1S
	Equipment blank	"	1200	"	"	X		1S
	Trip blank	—	—		—			2

Container Type: P
Preservative: C

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
[signature]	3/6/25 1450	[signature]	3/6/25 13:50

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
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 1

Date Rec'd in Lab

ALPHA Job #

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB Uranium/Thorium/RA226/RA228 Send to PACE Greensburg

Please specify Metals or TAL.

ANALYSIS

Sub-Uranium: HASL 300
Sub-Thorium: HASL 300
Sub-Ra228: 904.0
Sub-RA226: 903.1

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

Sample Specific Comments

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sub-Uranium: HASL 300	Sub-Thorium: HASL 300	Sub-Ra228: 904.0	Sub-RA226: 903.1	Total Bottles
	MW-4S-R	3/6/24	1030	AQ	AI	X	X	X	X	4

Container Type: P P P P
Preservative: C C C C

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
[signature]	3/6/25 1350	MW Dewitt	3/6/25 17:50
MW Dewitt	3/6/25 18:10	NJSC	3/6/25 18:10
~~3/7~~	~~3/7~~	[illegible]	3/7 12:30
[signature]	3/7 16:40	[signature]	3/7 1400
Fmc Corkle	3/7	Fmc Corkle	3.10.25 7:00
	B.10.25 9:18		

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)

Serial_No:03282520:09

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

March 14, 2025

Jennifer Byrnes

,

RE: Project: L2512607
Pace Project No.: 70341590

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 06, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Melville

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

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Alpha Analytical

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: L2512607
Pace Project No.: 70341590

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

SAMPLE SUMMARY

Project: L2512607
Pace Project No.: 70341590

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70341590001	**MW-4S**	Water	03/06/25 10:30	03/06/25 15:35
70341590002	**MW-4D2**	Water	03/06/25 10:24	03/06/25 15:35
70341590003	**MW-12S**	Water	03/06/25 09:13	03/06/25 15:35
70341590004	**MW-12D**	Water	03/06/25 08:46	03/06/25 15:35
70341590005	**SCDOHDR**	Water	03/06/25 11:51	03/06/25 15:35
70341590006	**EQUIPMENT BLANK**	Water	03/06/25 12:00	03/06/25 15:35

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Melville, NY 11747
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SAMPLE ANALYTE COUNT

Project: L2512607
Pace Project No.: 70341590

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70341590001	**MW-4S**	SM22 4500-S2 F	JWM	1
70341590002	**MW-4D2**	SM22 4500-S2 F	JWM	1
70341590003	**MW-12S**	SM22 4500-S2 F	JWM	1
70341590004	**MW-12D**	SM22 4500-S2 F	JWM	1
70341590005	**SCDOHDR**	SM22 4500-S2 F	JWM	1
70341590006	**EQUIPMENT BLANK**	SM22 4500-S2 F	JWM	1

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
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PROJECT NARRATIVE

Project: L2512607
Pace Project No.: 70341590

Method: **SM22 4500-S2 F**
Description: 4500S2F W Sulfide Iodometric
Client: Alpha Analytical
Date: March 14, 2025

General Information:
6 samples were analyzed for SM22 4500-S2 F by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

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

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

Additional Comments:

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

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 70341590

Sample: MW-4S **Lab ID: 70341590001** Collected: 03/06/25 10:30 Received: 03/06/25 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/13/25 16:54		

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 70341590

Sample: MW-4D2 **Lab ID: 70341590002** Collected: 03/06/25 10:24 Received: 03/06/25 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/13/25 16:57		

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 70341590

Sample: MW-12S **Lab ID: 70341590003** Collected: 03/06/25 09:13 Received: 03/06/25 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/13/25 17:00		

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 70341590

Sample: MW-12D **Lab ID: 70341590004** Collected: 03/06/25 08:46 Received: 03/06/25 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/13/25 17:03		

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 70341590

Sample: SCDOHDR **Lab ID: 70341590005** Collected: 03/06/25 11:51 Received: 03/06/25 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/13/25 17:06		

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 70341590

Sample: EQUIPMENT BLANK **Lab ID: 70341590006** Collected: 03/06/25 12:00 Received: 03/06/25 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		03/13/25 17:09		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: L2512607
Pace Project No.: 70341590

QC Batch: 389069 — Analysis Method: SM22 4500-S2 F
QC Batch Method: SM22 4500-S2 F — Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70341590001, 70341590002, 70341590003, 70341590004, 70341590005, 70341590006

METHOD BLANK: 2044807 — Matrix: Water
Associated Lab Samples: 70341590001, 70341590002, 70341590003, 70341590004, 70341590005, 70341590006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	03/13/25 16:49	

LABORATORY CONTROL SAMPLE & LCSD: 2044808 2044809

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALIFIERS

Project: L2512607
Pace Project No.: 70341590

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2512607
Pace Project No.: 70341590

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70341590001	**MW-4S**	SM22 4500-S2 F	389069		
70341590002	**MW-4D2**	SM22 4500-S2 F	389069		
70341590003	**MW-12S**	SM22 4500-S2 F	389069		
70341590004	**MW-12D**	SM22 4500-S2 F	389069		
70341590005	**SCDOHDR**	SM22 4500-S2 F	389069		
70341590006	**EQUIPMENT BLANK**	SM22 4500-S2 F	389069		

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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: 508-822-9288

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 in

WO# : 70341590
70341590

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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

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:

Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS

SUB-SULFIDE

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	SUB-SULFIDE	Sample Specific Comments	Total Bottles
	MW-45	3/5/25	1030	AQ	AI	X		15
	MW-402		1024		AI	X		15
	MW-12S		913			X		15
	MW-12D		846			X		15
	SCDOH DR		1151			X		15
	Equipment blank		1200			X		15
	Trip blank	—	—		—			2

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	P								
Preservative	C								

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/6/25 1350	[signature]	3/6/25 13:50
[signature]	3/7/25 1535	[signature]	3/6/25 1535

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.

Serial_No:03282520:09

Client: ALPHA Profile #: 10678

Work ID: CORAM MATERIALS 3/6 COC Page _____ of _____

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	VG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	AG5U	AG44	CG1U	WG9O	WG4O	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	TEDL	BGIH	LLHG	BG1N	IOC	SOC
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12																																																																					

WO#: 70341590
PM: BDR Due Date: 03/18/25
CLIENT: ALPHA

Container Codes

Glass				Plastic	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic
VG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma
WG9O	8oz clear soil jar	AG1A	1L Ammonium Chloride	BP3S	250mL Ammonium Acetate
WG4O	4oz clear soil jar	AG5U	100mL unpres Amber Glass	BP3R	250mL NH4SO4-NH4OH
		AG44	Ammonium Cl 120mL bottle	BP1Z	1L NaOH, Zn Acetate
				BP1N	1L HNO3 plastic
				BP1B	Na Thiosulfate Amber Bottle

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe
LLHG	Low Level Hg Bottles
BG1N	1L HNO3 Clear Glass

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass
BP3U	250mL unpreserved plastic

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClAcetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials _____

Additional Comments

no trip blank sample

Serial_No:03282520:09

DC# Title: ENV-FRM-MELV-0024 v07 SCUR
Effective Date: 4/12/2024

WO#: 70341590
PM: BDR **Due Date: 03/18/25**
CLIENT: ALPHA

Client Name: ALPHA Project #:

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No Temperature Blank Present: ☑ Yes ☐ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziplock ☐ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH211 Correction Factor: +.2 Samples on ice, cooling process has begun
Cooler Temperature(°C): 3.2 Cooler Temperature Corrected(°C): 3.4 Date/Time 5035A kits placed in freezer:
Temp should be above freezing to 6°C

USDA Regulated Soil (☑ N/A, water sample)
Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check map)? ☐ Yes ☐ No

Did samples originate from a foreign source (including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: AD 8/6/25

				COMMENTS:
Chain of Custody Present	☑Yes	☐No		1
Chain of Custody Filled Out	☑Yes	☐No		2
Chain of Custody Relinquished	☑Yes	☐No		3
Sampler Name & Signature on COC	☑Yes	☐No	☐N/A	4
Samples Arrived within Hold Time	☑Yes	☐No		5
Short Hold Time Analysis (<72hr)	☐Yes	☑No		6
Rush Turn Around Time Requested:	☐Yes	☑No		7
Sufficient Volume (Triple volume provided for MS/MSD)	☑Yes	☐No		8
Correct Containers Used	☑Yes	☐No		9
Pace Containers Used	☑Yes	☐No		
Containers Intact	☑Yes	☐No		10
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11 Note if sediment is visible in the dissolved container
Sample Labels match COC (includes date/time/ID/Analysis Matrix: S WP OIL OTHER)	☑Yes	☐No		12

Date and Initials of person checking preservation: AD 8/6/25

All containers needing preservation have been checked. pH paper Lot # 231224	☑Yes	☐No	☐N/A	13 ☐HNO3 ☐H2SO4 ☐NaOH ☐HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO3, H2SO4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed / Lot # of added preservative / Date/Time preservative added
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14 Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide: Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15 Positive for Sulfide? Y N
Headspace in ALK Bottle (<6mm)	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm)	☐Yes	☐No	☑N/A	16
Trip Blank Present	☐Yes	☐No	☑N/A	17
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

March 20, 2025

Jennifer Byrnes
Pace MA
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2512607
Pace Project No.: 50395811

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Indianapolis

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace MA

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CERTIFICATIONS

Project: L2512607
Pace Project No.: 50395811

Pace Analytical Services Indianapolis
7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

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SAMPLE SUMMARY

Project: L2512607
Pace Project No.: 50395811

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50395811001	MW-4S	Water	03/06/25 10:30	03/11/25 08:40
50395811002	MW-4D2	Water	03/06/25 10:24	03/11/25 08:40
50395811003	MW-12S	Water	03/06/25 09:13	03/11/25 08:40
50395811004	MW-12D	Water	03/06/25 08:46	03/11/25 08:40
50395811005	SCDOH_DR	Water	03/06/25 11:51	03/11/25 08:40
50395811006	EQUIPMENT BLANK	Water	03/06/25 12:00	03/11/25 08:40

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SAMPLE ANALYTE COUNT

Project: L2512607
Pace Project No.: 50395811

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50395811001	MW-4S	EPA 9056	GLT	1
50395811002	MW-4D2	EPA 9056	GLT	1
50395811003	MW-12S	EPA 9056	GLT	1
50395811004	MW-12D	EPA 9056	GLT	1
50395811005	SCDOH_DR	EPA 9056	GLT	1
50395811006	EQUIPMENT BLANK	EPA 9056	GLT	1

PASI-I = Pace Analytical Services - Indianapolis

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ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 50395811

Sample: MW-4S Lab ID: 50395811001 Collected: 03/06/25 10:30 Received: 03/11/25 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/15/25 02:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 50395811

Sample: MW-4D2 Lab ID: 50395811002 Collected: 03/06/25 10:24 Received: 03/11/25 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/15/25 02:32		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 50395811

Sample: MW-12S Lab ID: 50395811003 Collected: 03/06/25 09:13 Received: 03/11/25 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/15/25 02:50		

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ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 50395811

Sample: MW-12D Lab ID: 50395811004 Collected: 03/06/25 08:46 Received: 03/11/25 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/15/25 03:45		

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ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 50395811

Sample: SCDOH_DR Lab ID: 50395811005 Collected: 03/06/25 11:51 Received: 03/11/25 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/15/25 04:03		

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ANALYTICAL RESULTS

Project: L2512607
Pace Project No.: 50395811

Sample: EQUIPMENT BLANK Lab ID: 50395811006 Collected: 03/06/25 12:00 Received: 03/11/25 08:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/15/25 04:22		

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(317)228-3100

QUALITY CONTROL DATA

Project: L2512607
Pace Project No.: 50395811

QC Batch: 833942
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 Iodide by IC
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50395811001, 50395811002, 50395811003, 50395811004, 50395811005, 50395811006

METHOD BLANK: 3815714 Matrix: Water
Associated Lab Samples: 50395811001, 50395811002, 50395811003, 50395811004, 50395811005, 50395811006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	03/14/25 20:26	

LABORATORY CONTROL SAMPLE: 3815715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.6	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3815716 3815717

Parameter	Units	50395809007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	4.7	4.7	94	94	80-120	0	15	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2512607
Pace Project No.: 50395811

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2512607
Pace Project No.: 50395811

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50395811001	MW-4S	EPA 9056	833942		
50395811002	MW-4D2	EPA 9056	833942		
50395811003	MW-12S	EPA 9056	833942		
50395811004	MW-12D	EPA 9056	833942		
50395811005	SCDOH_DR	EPA 9056	833942		
50395811006	EQUIPMENT BLANK	EPA 9056	833942		

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WO# : 50395811

50395811

Subcontract Chain of Custody

Pace Analytical (Indianapolis, IN)
7726 Moller Road
Indianapolis, IN 46268

Pace Job Number
L2512607

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2512607 Report to include Method and/or Regulatory required batch QC

Additional Comments: Profile # 11706: needs L4 and EDD 265 NY EQUIS on Iodide sub chain"

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
001	L2512607-01	MW-4S	03-06-25 10:30	WATER	Iodide			1
002	L2512607-02	MW-4D2	03-06-25 10:24	WATER	Iodide			1
003	L2512607-03	MW-12S	03-06-25 09:13	WATER	Iodide			1
004	L2512607-04	MW-12D	03-06-25 08:46	WATER	Iodide			1
005	L2512607-05	SCDOH_DR	03-06-25 11:51	WATER	Iodide			1
006	L2512607-06	EQUIPMENT BLANK	03-06-25 12:00	Equipment Blank	Iodide			1

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	Water	311025	Fedex	~~3-11-25~~ TRK
	Fedex	3-11-25 840		3-11-25 840
Form No: AL_subcoc				

Serial_No:03282520:09

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: TRH 3-11-25 1156

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B (C) D E F G H I

2. Cooler Temperature(s): 0.9 | 0.8 | | | |
(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: (Fed Ex) UPS Client Pace Now/Jett Other
Circle One

4. Custody Seal on Cooler/Box Present: ☑ Yes ☐ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

5. Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

6. Ice Type: ☑ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler? ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C
If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis:		✓
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			✓
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit			Matrix
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
Red	Yellow	Green	Black
HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Report Number: 159689 Report Date: 2025-03-20

Laboratory Report

Report prepared for:
Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581
Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:
Debbie S Robertson

Purchase Order:

For further assistance, contact:
Debbie S Robertson
Report Production Coordinator
PO Box 51610
Knoxville, TN 37950 -1610
(865) 546-1335
debbierobertson@galbraith.com

Sample: L2512607 MW-4S
Lab ID: 2025-V-6249 **Received:** 2025-03-11

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.46 mg	2025-03-17

Sample: L2512607 MW-4D2
Lab ID: 2025-V-6250 **Received:** 2025-03-11

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.04 mg	2025-03-17

Sample: L2512607 MW-12S
Lab ID: 2025-V-6251 **Received:** 2025-03-11

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.18 mg	2025-03-17

Sample: L2512607 MW-12D
Lab ID: 2025-V-6252 **Received:** 2025-03-11

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.24 mg	2025-03-17

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Sample: L2512607 SCDOH_DR
Lab ID: 2025-V-6253 **Received:** 2025-03-11

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.93 mg	2025-03-17

Sample: L2512607 EQUIPMENT BLANK
Lab ID: 2025-V-6254 **Received:** 2025-03-11

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.60 mg	2025-03-17

Signatures:

Created By: Debbie.S.Robertson 2025-03-20T17:41:51.313-04:00
Published By: Debbie.S.Robertson 2025-03-20T17:42:22.31-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 27, 2025

Jennifer Byrnes
Pace Westborough
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2512607
Pace Project No.: 30762406

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 10, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Customer Service, Alpha Analytical

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Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: L2512607
Pace Project No.: 30762406

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: L2512607
Pace Project No.: 30762406

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30762406001	**L2512607-08 MW-4S_R**	Water	03/06/25 10:30	03/10/25 09:10

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: L2512607
Pace Project No.: 30762406

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30762406001	**L2512607-08 MW-4S_R**	EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		HSL-300	JJY	6	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: L2512607
Pace Project No.: 30762406

Sample: L2512607-08 MW-4S_R **Lab ID: 30762406001** Collected: 03/06/25 10:30 Received: 03/10/25 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.000 ± 0.394 (0.819) C:NA T:93%**	pCi/L	03/24/25 14:52	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.634 ± 0.569 (1.17) C:71% T:85%**	pCi/L	03/26/25 15:12	15262-20-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.333 ± 0.258 (0.426) C:NA T:86%**	pCi/L	03/18/25 09:02	14274-82-9	
Thorium-230	HSL-300	**0.147 ± 0.131 (0.080) C:NA T:86%**	pCi/L	03/18/25 09:02	14269-63-7	
Thorium-232	HSL-300	**0.118 ± 0.117 (0.080) C:NA T:86%**	pCi/L	03/18/25 09:02	7440-29-1	
Uranium-234	HSL-300	**0.020 ± 0.096 (0.133) C:NA T:98%**	pCi/L	03/19/25 09:27	13966-29-5	
Uranium-235	HSL-300	**0.070 ± 0.125 (0.094) C:NA T:98%**	pCi/L	03/19/25 09:27	15117-96-1	
Uranium-238	HSL-300	**0.053 ± 0.096 (0.072) C:NA T:98%**	pCi/L	03/19/25 09:27		

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512607
Pace Project No.: 30762406

QC Batch: 732237
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762406001

METHOD BLANK: 3564669 Matrix: Water
Associated Lab Samples: 30762406001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.182 ± 0.334 (0.597) C:NA T:89%	pCi/L	03/24/25 14:52	

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

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512607
Pace Project No.: 30762406

QC Batch: 732238
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762406001

METHOD BLANK: 3564670 Matrix: Water
Associated Lab Samples: 30762406001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.451 ± 0.355 (0.696) C:70% T:93%	pCi/L	03/26/25 15:11	

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

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: L2512607
Pace Project No.: 30762406

QC Batch: 732476
QC Batch Method: HSL-300
Analysis Method: HSL-300
Analysis Description: HSL300(AS) Actinides
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30762406001

METHOD BLANK: 3566158
Matrix: Water
Associated Lab Samples: 30762406001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	0.064 ± 0.114 (0.229) C:NA T:82%	pCi/L	03/18/25 09:02	
Thorium-230	0.024 ± 0.113 (0.157) C:NA T:82%	pCi/L	03/18/25 09:02	
Thorium-232	0.000 ± 0.113 (0.086) C:NA T:82%	pCi/L	03/18/25 09:02	
Uranium-234	0.159 ± 0.135 (0.138) C:NA T:95%	pCi/L	03/19/25 09:27	
Uranium-235	0.108 ± 0.131 (0.098) C:NA T:95%	pCi/L	03/19/25 09:27	
Uranium-238	0.104 ± 0.110 (0.138) C:NA T:95%	pCi/L	03/19/25 09:27	

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

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: L2512607
Pace Project No.: 30762406

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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Greensburg, PA 15601
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2512607
Pace Project No.: 30762406

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30762406001	**L2512607-08 MW-4S_R**	EPA 903.1	732237		
30762406001	**L2512607-08 MW-4S_R**	EPA 904.0	732238		
30762406001	**L2512607-08 MW-4S_R**	HSL-300	732476		

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Updated CoC received on 3-11-25 Via email

WO# : 30762406

30762406

Pace

Subcontract Chain

Pace Analytical (Green
1638 Roseytown Rd, Suite 2
Greensburg, PA 15601

Pace Job Number
L2512607

Page 1

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To:west.subreports@pacelabs.com Bill To:invoices@pacelabs.coupahost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com	Project Location: NY Project Manager: Jennifer Byrnes **Turnaround & Deliverables Information** Due Date: Deliverables: ASP Category B Deliverables	State/Federal Program: Regulatory Criteria: Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2512607 Report to include Method and/or Regulatory required batch QC

Additional Comments: Report to MDL, ASPB package,NYSDEC EDD

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2512607-08	MW-4S_R	03-06-25 10:30	WATER	Isotopic Uranium	Uranium HASL 300		0
				WATER	Radium 226	Radium 226 903.1		0
				WATER	Radium 228	Radium 228 904.0		0
				WATER	Thorium	Thorium HASL300		0

Received by Pace Greensburg
Therm ID 19 Corr Factor +/-0.4
Receipt Temp 5.3
Corrected Temp 4.9
Correct Preservation Y/N

Relinquished By:	Date/Time:	Received By:	Date/Time:
		[signature]	3-10-25 9:10

Form No: AL_subcoc

Serial_No:03282520:09

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-GBUR-0088 v07_Sampl
Greensburg

Effective Date: 01/04/2024

WO# : 30762406

PM: SCR Due Date: 03/31/25
CLIENT: ALPHA ANALYT

Client Name: Alpha Analytical

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

Tracking Number: Drop off

Initial / Date

Examined By: VB 3-11-25
Labeled By: VB 3-11-25
Temped By: VB 3-11-25

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No **Seals Intact:** ☐ Yes ☒ No
Thermometer Used: 19 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 5.3 °C Correction Factor: -0.4 °C Final Temp: 4.9 °C
Temp should be above freezing to 6°C

pH paper Lot# 10032401 **D.P.D. Residual Chlorine Lot #**

Comments:	Yes	No	NA	
Chain of Custody Present	X			1. Updated CoC received on 3-11-25 via Email
Chain of Custody Filled Out:	X			2.
-Were client corrections present on COC		X		
Chain of Custody Relinquished		X		3. Original CoC only
Sampler Name & Signature on COC:		X		4.
Sample Labels match COC:	X			5. MW-45-R on bottle, L2512667-08 not present on bottles
-Includes date/time/ID				
Matrix: WT				
Samples Arrived within Hold Time:	X			6.
Short Hold Time Analysis (<72hr remaining):		X		7.
Rush Turn Around Time Requested:		X		8.
Sufficient Volume:	X			9.
Correct Containers Used:	X			10.
-Pace Containers Used		X		
Containers Intact:	X			11.
Orthophosphate field filtered:			X	12.
Hex Cr Aqueous samples field filtered:			X	13.
Organic Samples checked for dichlorination			X	14:
Filtered volume received for dissolved tests:			X	15:
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix	X			16. pH<2
All containers meet method preservation requirements:	X			Initial when completed: VB Date/Time of Preservation: Lot# of added Preservative:
8260C/D: Headspace in VOA Vials (> 6mm)			X	17.
624.1: Headspace in VOA Vials (0mm)			X	18.
Radon: Headspace in RAD Vials (0mm)			X	19.
Trip Blank Present:			X	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	X			Initial when completed: LB Date: 3-10-25 Survey Meter SN: 25014980

Comments: Original CoC with signatures attached.

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.
Qualtrax ID: 55680

Client _____

Site L2512607

Page 1 of 1

Profile/EZ Login Number 21500

Notes _____

Sample Line Item	Matrix	Amber Glass					Plastic								Vials					Other									
		AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
001	WT						1																						

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber g
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar un
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
SP5T	120mL coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
	mL plastic HNO3
	nL plastic unpreserved
	nL plastic NAOH
	nL plastic H2SO4
	nL plastic unpreserved

EZI	5g Encore
VOAK	Kit Volatile Solid
I	Wipe/Swab
ZPLC	Siploc Bag

WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

WO#: 30762406
PM: SCR Due Date: 03/31/25
CLIENT: ALPHA ANALYT

Qualtrax ID: 55678

Serial_No:03282520:09

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 1

Date R... in La...

WO#: 30762406

PM: SCR Due Date: 03/31/25
CLIENT: ALPHA ANALYT

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project # 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time

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

Deliverables

☐ ASP-A ☐ ASP-B ☐ Same as Client info
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other
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:
SUB Uranium/Thorium/RA226/RA228 Send to PACE Greensburg

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	Sub-Uranium: HASL 300	Sub-Thorium: HASL 300	Sub-Ra228: 904.0	Sub-RA226: 903.1	Sample Specific Comments	Total Bottles
	MW-4S_R	3/6/24	1030	AQ	AI	X	X	X	X		4

Received by Pace Greensburg
Therm ID 19 Corr Factor +0.4
Receipt Temp 5.3
Corrected Temp 5.4
Correct Preservation Y/N

Container Type		P	P	P	P						
Preservative		C	C	C	C						

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
	3/6/25 1350		3/6/25 17:50
	3/6/25 18:10		3/6/25 18:10
	~~3/7~~		3/7 12:30
	3/7 16:40		3/7 1400

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)

3/7 3.10.25 9:18
Fmc Corke
3.10.25 7:00

Serial_No:03282520:09

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 30762406

PM: SCR Due Date: 03/31/25

CLIENT: ALPHA ANALYT

Company Name: Alpha Analytical

Street Address:

Customer Project #:

Project Name:

Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

Contact/Report To:

Phone #:

E-Mail:

Cc E-Mail:

Invoice to:

Invoice E-mail:

Purchase Order # (if applicable):

Quote #:

County / State origin of sample(s):

Data Deliverables:

[ ] Level II [ ] Level III [ ] Level IV

[ ] EQUIS

[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

Rush (Pre-approval required):

[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr:

AcctNum / Client ID:

Table #:

Profile / Template:

Prelog / Bottle Ord. ID:

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace® :

Collected By:

Printed Name

Signature

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
		Jmy Pace	3-10-25 9:10	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Serial_No:03282520:09

APPENDIX D

Field Notes

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 3

Date Rec'd in Lab 3/6/25

L2512325
ROUX – NY

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time

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

Client Information

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

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	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	TDS-2540/TSS-2540	Cl-4500/ Br-300	NO3-4500	NO2-4500	TOTALNITROGEN(tkn 35	Sample Specific Comments	Total Bottles
12325-01	MP-1	3/5/25	1030	AQ	AI	X	X	X	X	X	X	X	X		15
02	MP-1D	3/5/25	915	AQ	AI	X	X	X	X	X	X	X	X	MS/MSD	45
03	PZ-5	3/5/25	1438	AQ	AI	X	X	X	X	X	X	X	X		15
04	PZ-6	3/5/25	955	AQ	AI	X	X	X	X	X	X	X	X		15
05	MW-5D	3/5/25	1330	AQ	AI	X	X	X	X	X	X	X	X		15
06	MW-6D	3/5/25	1130	AQ	AI	X	X	X	X	X	X	X	X		15
07	MW-8S	3/5/25	1300	AQ	AI	X	X	X	X	X	X	X	X		15
08	MW-8D	3/5/25	1408	AQ	AI	X	X	X	X	X	X	X	X		15
09	DUP_03052025	3/5/25	1200	AQ	AI	X	X	X	X	X	X	X	X		15
10	TRIP BLANK	—	—	AQ	—	X									2

Container Type	V	A	P	A	P	A	A	A	
Preservative	B	A	C	A	A	D	D	D	

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
	3/5/25 1515		3/5/25 15:20
	3/5/25 1830		3/5/25 1920
	3/5/25		3/6/25 0220
	3/6/25 0820		03/06/25 0820

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 LABORATORIES

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 3

Date Rec'd in Lab 3/6/25

L2512325
ROUX – NY

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.00006
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB IODIDE send from WB to PACE INDY/ SUB AMMONIUM send from WB to Galbraith Laboratories

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	SO4-4500	Alk-HCO3-2320	Alk-CO3-2320	F-4500	TPO4-4500	SUB-IODIDE	SUB-AMMONIUM	Sample Specific Comments	Total Bottles
12325.01	MP-1	3/5/25	1030	AQ	AI	X	X	X	X	X	X	X		15
02	MP-1D		915			X	X	X	X	X	X	X		45
03	PZ-5		1438			X	X	X	X	X	X	X		15
04	PZ-6		955			X	X	X	X	X	X	X		15
05	MW-5D		1330			X	X	X	X	X	X	X		15
06	MW-6D		1130			X	X	X	X	X	X	X		15
07	MW-8S		1300			X	X	X	X	X	X	X		15
08	MW-8D		1980			X	X	X	X	X	X	X		15
09	DUP-030525	3/5/25	1200		AI	X	X	X	X	X	X	X		15
10	TRIP BLANK	—	—	AQ	—									2

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	P	P	P	P	A	P	P						
Preservative	A	A	A	A	D	A	D						

Relinquished By:	Date/Time	Received By:	Date/Time
	3/5/25 1511	Pace	3/5/25 15:20
Pace	3/5/25 1830		3/5/25 1920
PAS	3/5/25	PAS	3/5/25 2240
	3/6/25 0120		03/06/25 01:20

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

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 3

Date Rec'd in Lab

ALPHA Job #

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS

SUB-SULFIDE

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	SUB-SULFIDE	Sample Specific Comments	Total Bottles
	MP-1	3/5/25	1030	AQ	AI	X		15
	MP-1D		915			X		45
	PZ-5		1488			X		15
	PZ-6		955			X		15
	MW-5D		1330			X		15
	MW-6D		1130			X		15
	MW-8S		1300			X		15
	MW-8D		1408			X		15
	DUP_03052025		1200			X		15
	TRIP BLANK	—	—	AQ	—			2

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: P
Preservative: C

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/5/25 1815	[signature] Pace	3/5/25 15:20

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

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL 508-898-9220
Mansfield, MA 02048 — 320 Forbes Blvd — TEL 508-822-9300

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 1

Date Rec'd in Lab: 3/6/25

L2512325
ROUX – NY

Project Information
Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #)
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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

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

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
SUB Uranium/Thorium/RA226/RA228 Send to PACE Greensburg

Please specify Metals or TAL.

12343 - R

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	Sub-Uranium: HASL 300	Sub-Thorium: HASL 300	Sub-Ra226: 904.0	Sub-RA226: 903.1	Sample Specific Comments	
12325-11	PZ-6_R	3/5/25	955	AQ	AL	X	X	X	X		4
-12	MW-8S_R	3/5/25	1300	AQ	AL	X	X	X	X	MS/MSD	12
-13	DUP_03052025_R	3/5/25	12**	AQ	AL	X	X	X	X		4

Container Type: P P P P
Preservative: C C C C

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
	3/5/25 15:15		3/5/25 16:20
	3/5/25 17:30		3/5/25 17:30
	3/5/25		3/5/25 22:20
	3/6/25		3/6/25 01:20

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

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 1

Date Rec'd in Lab: 3/6/25

ALPHA Job #: L2512271

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:

PFAS: 40 Compound List

Please specify Metals or TAL.

ANALYSIS

A2-NY-1633

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-NY-1633	Sample Specific Comments	Total Bottles
12271-01	PZ-6_P	3/5/25	955	AQ	AI	x		2
-02	FIELD BLANK-P	3/5/25	1400	AQ	AI	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	P								
Preservative	N								

Relinquished By:	Date/Time	Received By:	Date/Time
	3/5/25 1515	Pace	3/5/25 15:20
Pace	3/5/25 18:30		3/5/25 1920
	3/5/25		3/5/25 2240
	3/6/25 0120		3/6/25 01:20
	3-6-25 0935		3/6/25 0935
	3/6/25 1030		3/6/25 10:30

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

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 3/5/25

L2511944
ROUX – NY

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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

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	TDS-2540/TSS-2540	Cl-4500/ Br-300	NO3-4500	NO2-4500	TOTALNITROGEN(tkn 35	Sample Specific Comments	Total Bottles
11944-01	MW-11S	3/4/25	830	AQ	BW	X	X	X	X	X	X	X	X		15
-02	MW-10S	3/4/25	1540		AI	X	X	X	X	X	X	X	X		15
-03	MW-10D	3/4/25	1520		BW	X	X	X	X	X	X	X	X		15
-04	MW-13S	3/4/25	1355		AI	X	X	X	X	X	X	X	X		15
-05	MW-13D	3/4/25	1322		BW	X	X	X	X	X	X	X	X		15
-06	MW-15R	3/4/25	1057		BW	X	X	X	X	✓	✓	X	X		15
-07	MW-10R2	3/4/25	1005		AI	X	X	X	X	X	X	X	X		15
-08	DUP_03042025	3/4/25	1200	✓	AI	X	X	X	X	X	X	X	X		15
-09	Equipment blank	3/4/25	1530	✓	AI	X	X	X	X	X	X	X	X		15
-10	Trip blank	3/4/25	—		—	X									2

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

Container Type	V	A	P	A	P	A	A	A
Preservative	B	A	C	A	A	D	D	D

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
[signature]	3/4/2025 1610	SSMR	3-4-25 1610
SSMR	3-4-25 1935	Anthony Green	MAR 04 2025 0045
Anthony Green		[signature]	3/5/25 0145
[signature]	3/5/25 0145	[signature]	3/5/25 0145

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

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 3

Date Rec'd in Lab: 3/5/25

ALPHA Job #: L2511944

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.00006
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB IODIDE send from WB to PACE INDY/ SUB AMMONIUM send from WB to Galbraith Laboratories

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SO4-4500	Alk-HCO3-2320	Alk-CO3-2320	F-4500	TPO4-4500	SUB-IODIDE	SUB-AMMONIUM	Sample Specific Comments	Total Bottles
11944-01	MW-11S	3/4/2025	8:30	AQ	BW	X	X	X	X	X	X	X		15
-02	MW-10S	3/4/2025	15:40	AQ	AI	X	X	X	X	X	X	X		15
-03	MW-10D	3/4/2025	15:20	AQ	BW	X	X	X	X	X	X	X		15
-04	MW-13S	3/4/2025	1355	AQ	AI	X	X	X	X	X	X	X		15
-05	MW-13D	3/4/2025	1322	AQ	BW	X	X	X	X	X	X	X		15
-06	MW-15R	3/4/2025	10:57	AQ	BW	X	X	X	X	X	X	X		15
-07	MW-10R2	3/4/2025	10:05	AQ	AI	X	X	X	X	X	X	X		15
-08	DUP-030420 25	3/4/2025	1200	AQ	AI	X	X	X	X	X	X	X		15
-09	Equipment blank	3/4/2025	1530	AQ	AI	X	X	X	X	X	X	X		15
-10	TRIP blank	3/4/2025	—	AQ	—									2

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

Container Type	P	P	P	P	A	P	P	
Preservative	A	A	A	A	D	A	D	

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
[signature]	3/4/2025 1800	SSmz	3-4-25 1630
SSmz	3-4-25 1935	Anthony Green	MAR 04 2025 2015
Anthony Green		[signature]	3/5/25 0140
[signature]	3/5/25 0140	[signature]	3/5/25 0105

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 LABORATORIES

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

Page 1 of 1

Date Rec'd in Lab 3/5/25

ALPHA Job # L2511944

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

Project Information
Project Name: CORAM MATERIALS
Project Location: 416 Miller Place/Yaphank Rd
Project # 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB Uranium/Thorium/RA226/RA228 Send to PACE Greensburg

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	Sub-Uranium: HASL 300	Sub-Thorium: HASL 300	Sub-Ra228: 904.0	Sub-RA226: 903.1	Sample Specific Comments	Total Bottle
11944-02	MW-10S	3/4/2025	1540	AQ	AI	X	X	X	X		4
-09	Equipment blank	3/4/2025	1530	AQ	AI	X	X	X	X		4
Container Type						P	P	P	P		
Preservative						C	C	C	C		

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
[signature]	3/4/2025 1620	SSmz	3.4.25 1630
SSmz	3.4.25 1935	Anthony Green	MAR 04 2025 2345
Anthony Green		[signature]	3/5/25 0140
[signature]	3/5/25 0140	[signature]	3/5/25 0905

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
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 3 of 3

Date Rec'd in Lab

ALPHA Job #

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

Project Information
Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-SULFIDE	Total Bottle
	MW-11S	3/4	8:30	AQ	DW	X	15
	MW-10S	3/4	13:40		AI	X	15
	MW-10D	3/4	15:20		BW	X	15
	MW-13S	3/4	1355		AI	X	15
	MW-13D	3/4	1322		BW	X	15
	MW-15R		1057		BW	X	15
	MW-DR2		1003		AI	X	15
	DUP-03042025		1203		AI	X	15
	Equipment blank		1530		AI	X	15
	Trip blank		-				2

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

Container Type: P
Preservative: C

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
	3/4/2025 1630	SSnL	3.4.25 1630

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

L2512607
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 3/7/25

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	TDS-2540/TSS-2540	Cl-4500/ Br-300	NO3-4500	NO2-4500	TOTALNITROGEN(tkn 35	Sample Specific Comments	Total Bottles
12607-01	MW-4S	3/6/25	1030	AQ	AI	X	X	X	X	X	X	X	X		15
-02	MW-4D2	3/6/25	1024	AQ	AI	X	X	X	X	X	X	X	X		15
-03	MW-12S	3/6/25	9:13	AQ	AI	X	X	X	X	X	X	X	X		15
-04	MW-12D	3/6/25	8:46	AQ	AI	X	X	X	X	X	X	X	X		15
-05	SCDOH-DR	3/5/25	1151	AQ	AI	X	X	X	X	X	X	X	X		15
-06	Equipment blank	3/6/25	1200	AQ	AI	X	X	X	X	X	X	X	X		15
-07	Trip blank	3/6/25	–	AQ	AI	X									2
Container Type						V	A	P	A	P	A	A	A		
Preservative						B	A	C	A	A	D	D	D		

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
[signature]	3/6/25 1730	[signature]	3/6/25 1730
[signature]	3/6/25 1810	[signature]	3/6/25 1810
Anthony Green		Anthony Green	MAR 06 2025 2100
[signature]	3/7/25 0435	[signature]	3/7/25 0435

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

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 3

Date Rec'd in Lab: 3/7/25

ALPHA Job #: L25 12607

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.00006
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB IODIDE send from WB to PACE INDY/ SUB AMMONIUM send from WB to Galbraith Laboratories

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	SO4-4500	Alk-HCO3-2320	Alk-CO3-2320	F-4500	TPO4-4500	SUB-IODIDE	SUB-AMMONIUM	Sample Specific Comments	Total Bottle
12607-01	MW-4S	3/6/25	1030	AQ	AI	X	X	X	X	X	X	X		15
-02	MW-4D2	3/6/25	1024			X	X	X	X	X	X	X		15
-03	MW-12S	3/6/25	913			X	X	X	X	X	X	X		15
-04	MW-12D	3/6/25	846			X	X	X	X	X	X	X		15
-05	SCDOH-DR	3/6/25	1150			X	X	X	X	X	X	X		15
-06	Equipment blank	3/6/25	1200			X	X	X	X	X	X	X		15
-07	Trip blank	-	-		-									2

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	P	P	P	P	A	P	P	
Preservative	A	A	A	A	D	A	D	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/6/25 1330	[signature]	3/6/25 13:50
[signature]	3/6/25 18:10	WSSC	3/6/25 18:10
		Anthony Green	MAR 06 2025 01:30
Anthony Green		[signature]	3/7/25 0700
[signature] 3/7/25 0435		[signature]	3/7/25 0435

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

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 3

Date Rec'd in Lab

ALPHA Job #

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232 0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS: SUB-SULFIDE

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	SUB-SULFIDE	Sample Specific Comments	Total Bottle
	MW-45	3/5/25	1030	AQ	AI	X		1S
	MW-40D	"	1024	"	AI	X		1S
	MW-12S	"	913	"	"	X		1S
	MW-12D	"	846	"	"	X		1S
	SCDOH DR	"	1151	"	"	X		1S
	Equipment blank	"	1200	"	"	X		1S
	Trip blank	—	—		—			2

Container Type: P
Preservative: C

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
[signature]	3/6/25 1450	[signature]	3/6/25 13:50

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
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 1

Date Rec'd in Lab

ALPHA Job #

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:
SUB Uranium/Thorium/RA226/RA228 Send to PACE Greensburg

Please specify Metals or TAL.

ANALYSIS

Sub-Uranium: HASL 300
Sub-Thorium: HASL 300
Sub-Ra228: 904.0
Sub-RA226: 903.1

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

Sample Specific Comments

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sub-Uranium: HASL 300	Sub-Thorium: HASL 300	Sub-Ra228: 904.0	Sub-RA226: 903.1	Total Bottles
	MW-4S-R	3/6/24	1030	AQ	AI	X	X	X	X	4

Container Type: P P P P
Preservative: C C C C

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
[signature]	3/6/25 1350	MW Dewitt	3/6/25 17:50
MW Dewitt	3/6/25 18:10	NJSC	3/6/25 18:10
~~3/7~~	~~3/7~~	[illegible]	3/7 12:30
[signature]	3/7 16:40	[signature]	3/7 1400
Fmc Corkle	3/7	Fmc Corkle	3.10.25 7:00
	B.10.25 9:18		

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)

Serial_No:03282520:09

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
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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 1

Date Rec'd in Lab: 3/7/25

ALPHA Job #: L2512596

Client Information

Client: ROUX
Address: 209 Shafter St
Islandia NY 11749
Phone: 631 232 2600
Fax:
Email: dierolino@rouxinc.com

Project Information

Project Name: Coram Materials
Project Location: 416 Miller Place Yaphank Rd
Project #: 2-232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #:

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: A2-1633

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	A2-1633	Sample Specific Comments	Total Bottles
12596-01	MW-4S_P	3/6/25	1030	AQ	AI	X	MS/MSD	6
-02	DUP_030625_P	3/6/25	1300	AQ	AI	X		2
-03	FIELDBLANK_P	3/6/25	1300	AQ	AI	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: P
Preservative: A

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. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/6/25 1350	[signature]	3/6/25 13:50
[signature]	3/6/25 18:10	NJSC	3/6/25 18:10
		Anthony Green	MAR 06 2025 21:00
Anthony Green		[signature]	3/7/25 0200

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

Rec'd Dylan Beaulieu AL 3/7/25 10:38

Rel: [signature] 3/7/25 1038 3/7/25 0435 3/7/25 0435 3/7/25 0945

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 1 of 3

Date Rec'd in Lab 3/4/25

L2511529 10MAR25
ROUX – NY

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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	TDS-2540/TSS-2540	Cl-4500/ Br-300	NO3-4500	NO2-4500	TOTALNITROGEN(tkn 35	Sample Specific Comments	Total Bottle
11529-01	MW-11D	3/3/25	1420	AQ	BW	X	X	X	X	X	X	X	X		14

Container Type: V A P A P A A A
Preservative: B A C A A D D D

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

Relinquished By:	Date/Time	Received By:	Date/Time
Ashley Iervolino	3/3/25 1500	WIFI Place	1500 3/3/25
WIFI Place	3/3/25 1920		3/3/25 1921
	3/4/25 0110		3/4 0110

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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 3

Date Rec'd in Lab: 3/4/25

ALPHA Job #: L2511529

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.00006
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:

SUB IODIDE send from WB to PACE INDY/ SUB AMMONIUM send from WB to Galbraith Laboratories

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	SO4-4500	Alk-HCO3-2320	Alk-CO3-2320	F-4500	TPO4-4500	SUB-IODIDE	SUB-AMMONIUM	Sample Specific Comments	Total Bottles
11529-01	MW-11D	3/3/2025	1420	AQ	BW	X	X	X	X	X	X	X		16
Container Type						P	P	P	P	A	P	P		
Preservative						A	A	A	A	D	A	D		

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
	3/3/25 1500	WIFI PACE	3/3/25 1500
WIFI PACE	3/3/25 1920		3/3/25 1921
	3/3/25	OTS	3/3/25 2230
OTS	3/4/25 0110		3/4 0110

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL LABORATORIES
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 3

Date Rec'd in Lab

ALPHA Job #

Client Information

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

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

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:

Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS

SUB-SULFIDE

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

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-SULFIDE	Sample Specific Comments	Total Bottles
	MW-11D	3/3/25	1420	AQ	BW	X		12

Container Type: P
Preservative: C

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
[signature]	3/3/25 1500	WITH Pace	3/3/25 1500

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)

APPENDIX E

Chains of Custody

5/3/25 | | 2232.0006/005 | | AF

0745 AI + BW on site

weather: 22-35°, fair, wind NNW @ 4mph.
RH: 54%, P: 30.29"

scope: gauging & gws

TIME	WELL ID	DTW	DTB
809	MW-11S	61.38	68.60
810	MW-11D	63.03	157.76
817	MW-13D	35.33	128.84
821	MW-13S	35.46	44.57
830	MW-10S	21.05	28.48
834	MW-10D	21.50	167.31
850	SCDOH DR	46.04	136.76
900	MW-4S	70.02	76.21
903	MW-4D2	71.01	134.39
913	MW-12S	59.65	76.29
915	MW-12D	59.80	230.62
928	MW-5D	32.18	194.27
930	PZ-5	30.70	34.87
938	MW-8S	35.55	51.57
940	MW-8D	37.32	199.89
949	MW-6D	41.10	203.29
952	PZ-6	39.10	48.74
1005	MW-1SR	25.16	39.50
1003	MW-1DR2	26.70	188.75
1031	MP-1	48.91	59.40
1028	MP-1D	49.56	215.52

Scanned with CamScanner

1020 Pace dropped off bottle wear

1040 Head to office (Island(a)) to pick up generators

1200 Head to pine to pick up missing equipment (masterflex & filters)

1327 Begin purging MW-11D

1340 Grundfos for MW-11S not working, will sample tomorrow

1470 Sample MW-11D
- decon equipment

1500 Courier pickup

1515 ROUX offsite

AT

3/4/25 2232.00064005

0715 AI + BW on site (ROUX)
- perform H+S tailgate
- calibrate horibas

weather 30-48°, cloudy, wind SW @ 10-19 mph
RH = 76%, P = 30.26"

scope: Groundwater sampling

0730 mobilize to MW-11S

0745 start purging MW-11S
sample @ 8:30, BW

0840 - decon equipment, mob to MW-1SR + MW-1DR2
- Brian Hobbs (ROUX) on site for field audit

1005 MW-1DR2 ⇒ sample, AI

1057 MW-1SR → sample MS/MSD → BW
& DUP → AI

1145 decon equipment & mobilize to MW-13S + MW-13D

1200 break for lunch

MW-13S sample @ 1355, AI
MW-13D sample @ 1322, BW

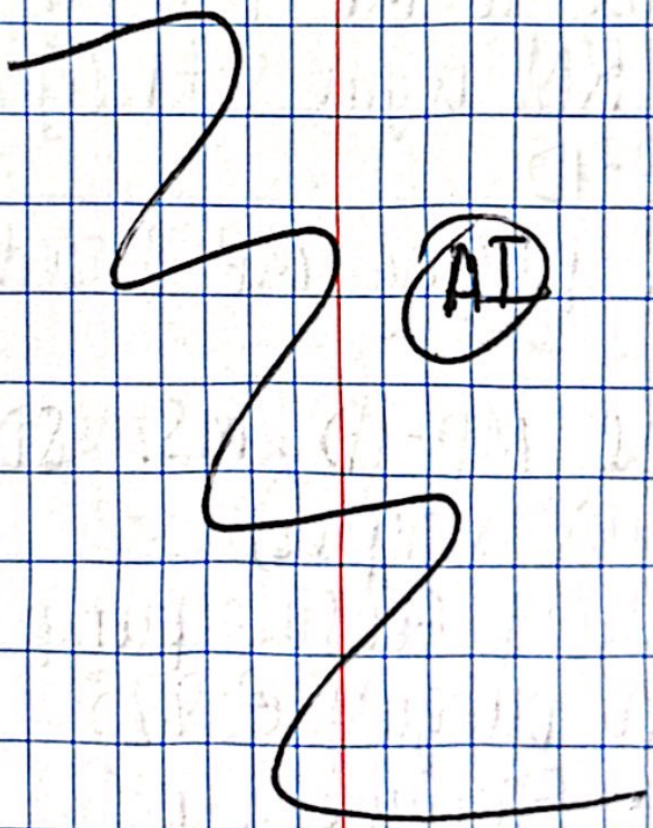
decon + demobilize, mob to MW-10S & MW-10D

Scanned with CamScanner

MW-10S sample @ 1540, AI
MW-10D sample @ 1520, BW

sample equipment blank @ 1530

1630 Pace picks up samples
Roux offsite



3/5/25 2232.0006Y005 AI

0700 AI + BW on site (ROUX)
- perform H+S tailgate
- calibrate horibas - see cal sheets.

weather: 44-53°, mostly cloudy / Rain. winds @ 14-22 mph.

scope: Groundwater sampling

0730 RM on site (ROUX)
- perform H+S tailgate

0800 mobilize to MP-1 & MP-1D
BW & RM begin setting up pump at MP-1D

0830 Begin purging MP-1D with Grundfos

0915 sample MP-1D, MS/MSD/DUP & (baseline samples)

0920 AI using Geosub pump at PZ-6
- begin purging @ 925

0945 decon Grundfos, begin setting up MP-1. S. Dressler (NYSDEC) on site.

0950 Begin readings at MP-1

0955 Sample PZ-6 for PFAS, Radionuclides & baseline sample.
- decon geosub, mob to MW-6D
S. Dressler (NYSDEC) at MW-6D with A. Iermino (ROUX)

Scanned with CamScanner

3/5/25 AI

1030 BW + RM sampling MP-1, using my initials (A.I.) as sampler.

* MP-1 baseline compounds only

1045 Decontaminate grundfos pump.
BW + RM mobilize to MW-6D

1110 S. Dressler (NYSDEC) offsite

1130 AI samples MW-6D (baseline only)
Decon geosub

1145 Roux mobilizes to MW-8S/8D cluster, AI then begins at MW-5D

1210 Begin purging MW-8S (Grundfos)

1235 Begin purging MW-5D (Geosub)

1300 Sample MW-8S for Baseline & Radionuclid
☆ MS/MSD/DUP for Radionuclides
- decontaminate Grundfos, mob to MW-8D

1330 Sample MW-5D for baseline samples
- decontaminate geosub, mob to PZ-5

1340 begin purging MW-8D (grundfos)

1405 begin purging PZ-5 (Geosub)

☆ Horiba DO sensor not working, cleaned off but not changing from 0.0 → will rely on other parameters for stabilization

3/5/25 AI

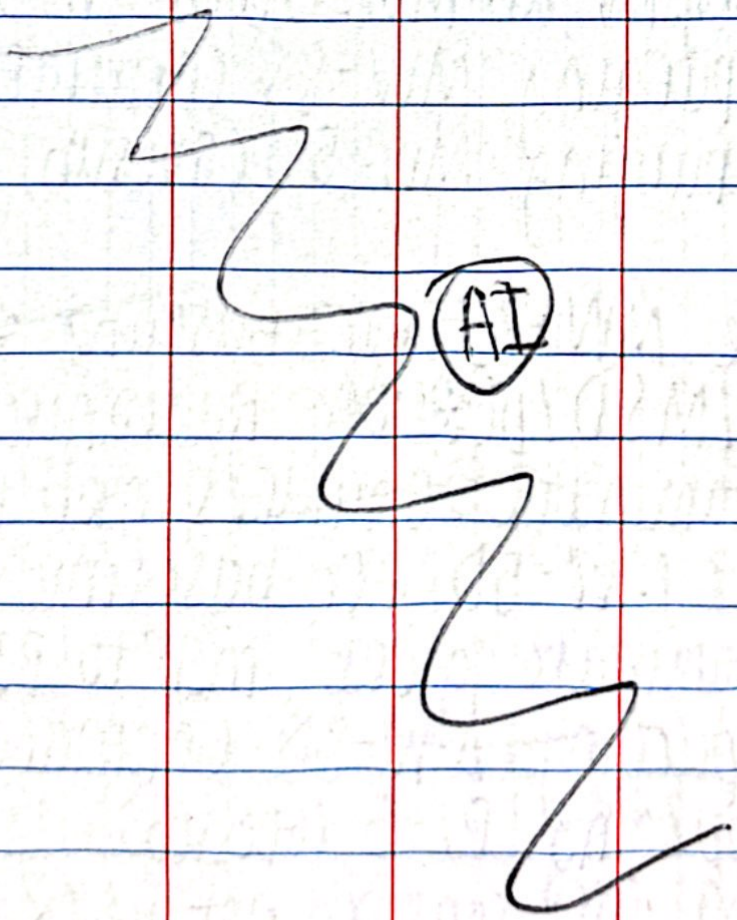
1408 sample MW-8D, baseline only
- decontaminate pump

1438 sample PZ-5, baseline only
- decontaminate Geosub pump.

1500 fill out chain of custody's

1530 Relinquish samples to Pace courier

1600 Rons offsite



5/6/2025 2232.0006Y005 AI

0730 AI on-site & B. Weintraub on site CROUX
- perform H+S tailgate
- decon equipment, calibrate horibas. See calibration log for HORIBAs.

weather: 35-59°, sunny, wind SW @ 6-17 mph. RH: 100%, P= 29.13"

scope: Finish groundwater sampling

0800 mobilize to MW-12S / MW-12D cluster.
0810 begin purging MW-12D with Grundfos
0832 begin purging MW-12S with geosub

0846 sample MW-12D, baseline only
0913 Sample MW-12S, baseline only

decontaminate pumps and mobilize to MW-4S/MW-4D2 cluster

0950 begin purging MW-4D2 with grundfos
1002 begin purging MW-4S with geosub

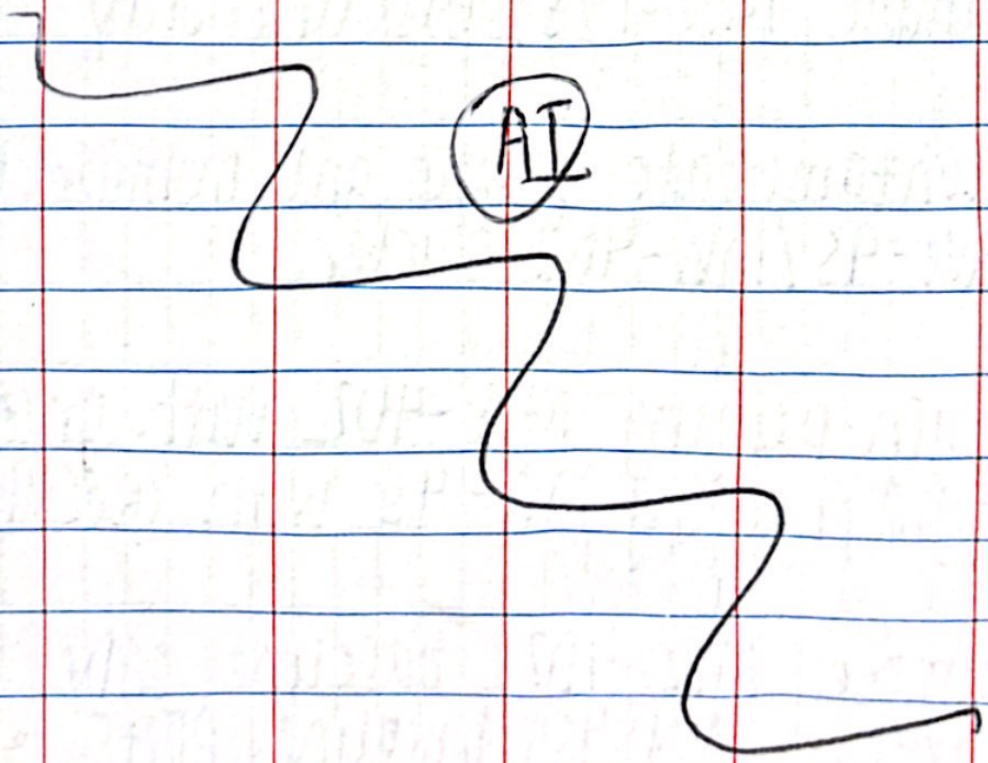
1025 sample MW-4D2, baseline only
1030 Sample MW-4S, baseline, PFAS, & Radionuclides. MS/MSD/DUP for PFAS

3/6/25 (AI)

1100 - decontaminate pumps, mobilize to SCDOH-DR

1120 Begin purging SCDOH-DR with geosub.
1151 sample SCDOH-DR, baseline only

1201 mobilize to site office
1215 pack truck with coolers & samples
1240 Roux offsite, head to Islandia office
1315 samples relinquished by pace courier at the Roux Islandia office.



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