NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

Site Name: Northtown Inc./Station 12 BCP Site

Site Number: C915292

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? >1000

If greater than 1000 cubic yards will be imported, enter volume to be imported: 6,000 cubic yards

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? no

Does it contain less than 10%, by weight, material that passes a size 100 sieve? no

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

The material consists of virgin sand from Seven Springs Gravel Products Batavia, New York quarry. Clean source letter and sieve data attached.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

NA

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Thomas Bohlen, GZA, Owner Consultant

Name and address of fill source:

Seven Springs Gravel Products LLC, 8479 Seven Springs Road, Batavia, NY 14020

Location where fill was obtained:

Quarry

Identification of any state or local approvals as a fill source:

permit number 8-1844-00020/00001

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Quarry

Provide a list of supporting documentation included with this request:

Material sieve and proctor test results, clean sand source letter

The information provided on this form is accurate and complete.

10/13/25

Signature

Date

Thomas Bohlen

Print Name

GZA

Firm

Resigned by Thomas Bohlen on 10/13/25 (issues with digital signature)

Seven Springs Gravel Products LLC
8479 Seven Springs Rd. Batavia NY 14020
716-875-6168
cpariso@parisotrucking.com

Date: 10/13/2025

To Whom It May Concern:

This letter is to certify that the material supplied from Seven Springs Gravel Products LLC, located at **8479 Seven Springs Rd, Batavia NY 14020**, originates from a **clean, virgin source**.

The Facility is operating utilizing a mining permit issued by the NYS Department of Environmental Conservation.

Permit ID: 8-1844-00020/00001

All aggregate and fill materials produced at this site are naturally occurring and have not been processed from, or contaminated by, any construction, demolition, or industrial waste. The material is free from deleterious substances, organic matter, and any hazardous or foreign contaminants.

Please contact our office if you require additional testing data or further documentation regarding material composition or source verification.

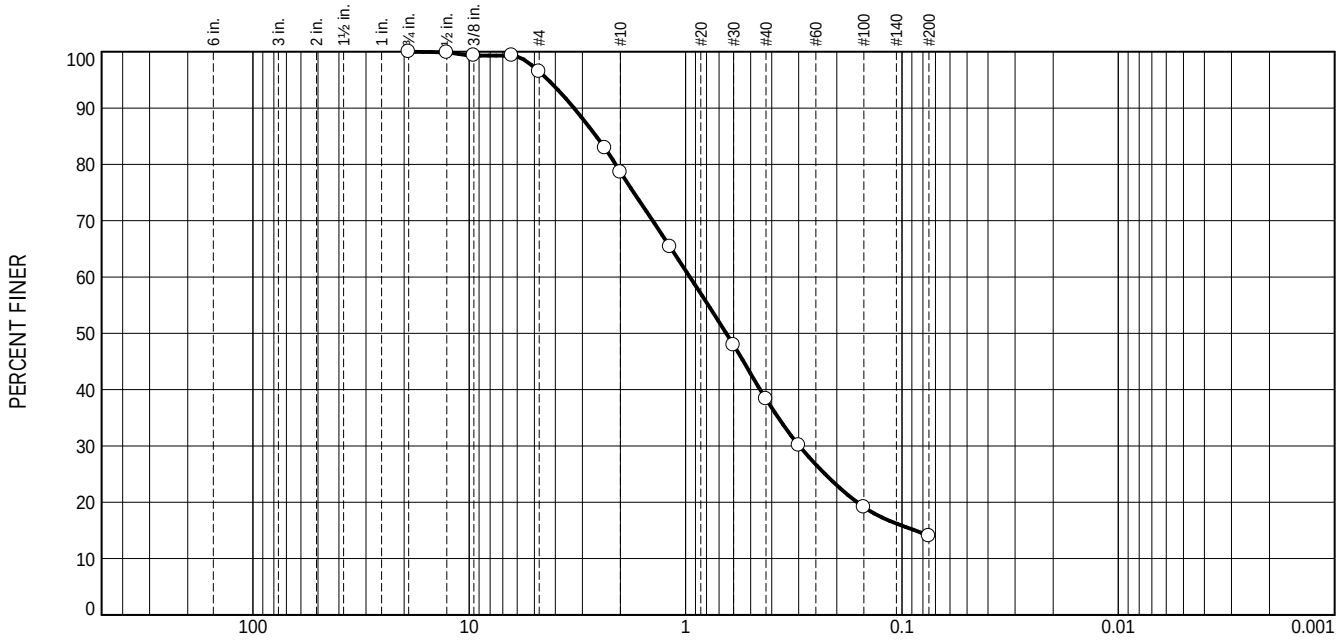
Sincerely,

Carmen A Pariso

Operations Manager

Seven Springs Gravel Products LLC

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	3.5	17.9	40.2	24.4	14.0	

Test Results (ASTM D422)			
Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
.75"	100.0		
.5	99.9		
.375	99.3		
.25"	99.3		
#4	96.5		
#8	82.9		
#10	78.6		
#16	65.4		
#30	47.9		
#40	38.4		
#50	30.1		
#100	19.1		
#200	14.0		

* (no specification provided)

Source of Sample: 3/8" Minus Sand
Sample Number: 3/8" Minus

Material Description
ID#25-753

Sieve Test (ASTM D422)
Test Date: 9/30/25 Technician: PTM
Test Notes

Hydrometer Test
Test Date: _____ Technician: _____
Test Notes

Atterberg (ASTM D4318)
PL= LL= PI=

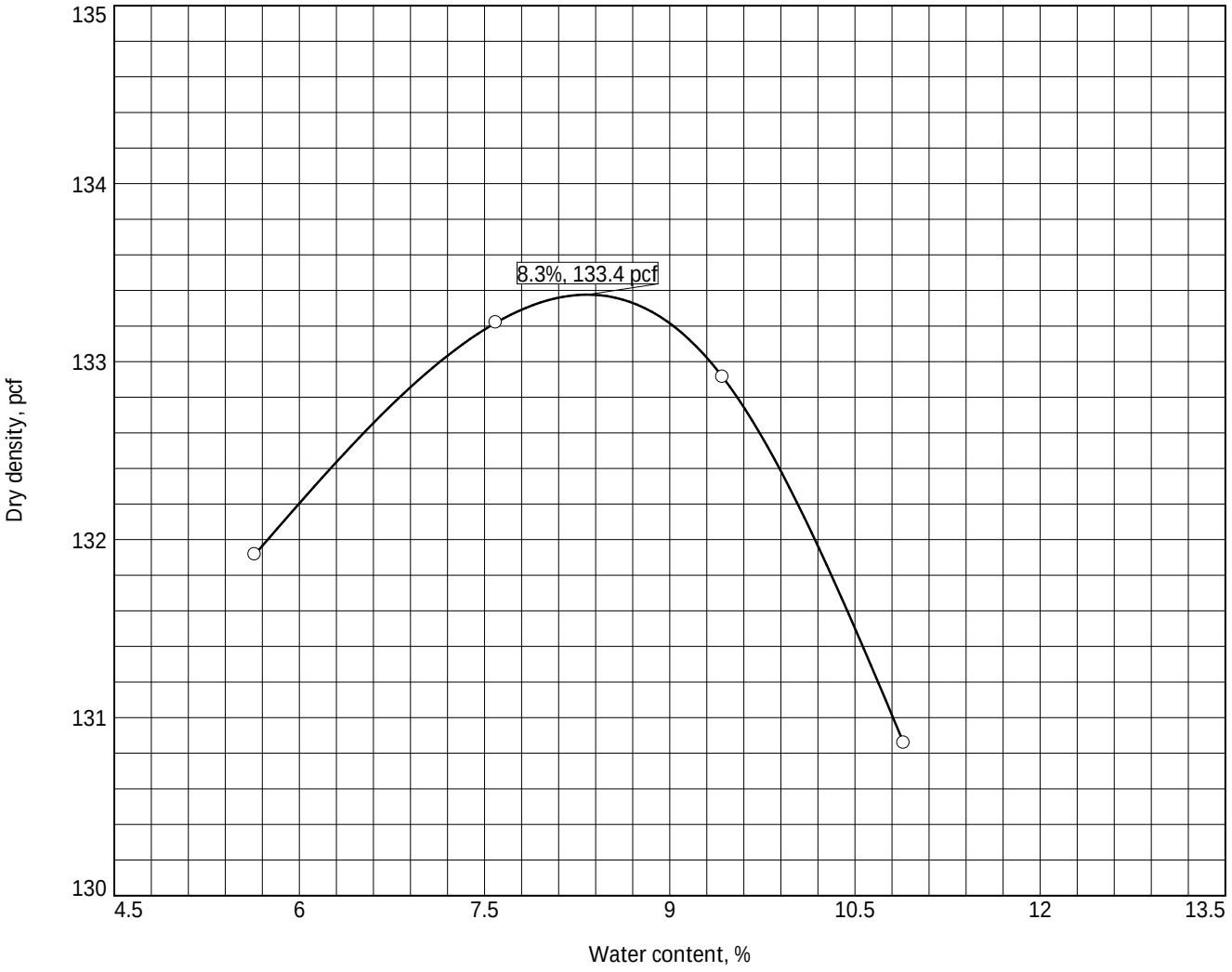
Coefficients
D_{90}= 3.2778 D_{85}= 2.5875
D_{60}= 0.9552 D_{50}= 0.6486
D_{30}= 0.2982 D_{15}= 0.0869
D_{10}=
C_u= C_c=

USCS (ASTM D2487)

Date Sampled: _____
Date Received: 9/4/25
Checked By: JMA
Title: LM

3rd Rock, LLC East Aurora, NY	Client: Seven Springs Project: Project No: 24-031 Figure

COMPACTION TEST REPORT



Test specification: ASTM D 1557-07 Method B Modified

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/8 in.	% < No.200
	USCS	AASHTO						
							0.7	14.0

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 133.4 pcf Optimum moisture = 8.3 %	ID#25-753

Project No. 24-031 Client: Seven Springs
Project:

Date: 9/12/25

○ Source of Sample: 3/8" Minus Sand Sample Number: 3/8" Minus

3rd Rock, LLC

East Aurora, NY

Remarks:

Figure

Tested By: ARL Checked By: JMA

ANALYTICAL REPORT

Lab Number:	L2566236
Client:	GZA GeoEnvironmental of New York 300 Pearl Street Suite 700 Buffalo, NY 14202
ATTN:	Thomas Bohlen
Phone:	(716) 844-7050
Project Name:	NORTHTOWN - STATION 12
Project Number:	21.0056687.40
Report Date:	10/28/25

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).

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

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2566236-01	IMPORTSAND-1	SOIL	Not Specified	10/20/25 12:20	10/20/25
L2566236-02	IMPORTSAND-2	SOIL	Not Specified	10/20/25 12:20	10/20/25
L2566236-03	IMPORTSAND-1+2 COMP	SOIL	Not Specified	10/20/25 12:20	10/20/25
L2566236-04	TRIP BLANK	WATER	Not Specified	10/20/25 12:20	10/20/25
L2566236-05	EQUIPMENT BLANK	WATER	Not Specified	10/20/25 12:20	10/20/25

Project Name:	NORTHTOWN - STATION 12	**Lab Number:**	L2566236
Project Number:	21.0056687.40	**Report Date:**	10/28/25

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:	NORTHTOWN - STATION 12	**Lab Number:**	L2566236
Project Number:	21.0056687.40	**Report Date:**	10/28/25

Case Narrative (continued)

Report Submission

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

October 27, 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.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Perfluorinated Alkyl Acids by 1633

L2566236-03: The analysis of Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) exceeded the 3-day holding time recommended by the method for soil/sediment and tissue matrices.

L2566236-04R and WG2132138-1R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

L2566236-05: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

The Extracted Internal Standard recovery for the WG2132138-2 LCS associated with L2566236-04R and -05 is outside the acceptance criteria for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (39%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.

Total Metals

L2566236-03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG2132261-3/-4 MS/MSD recoveries performed on L2566236-03 do not apply for aluminum (0%/72%),

Project Name:	NORTHTOWN - STATION 12	**Lab Number:**	L2566236
Project Number:	21.0056687.40	**Report Date:**	10/28/25

Case Narrative (continued)

calcium (0%), iron (0%), magnesium (965%/0%) and manganese (0%) because the sample concentrations are greater than four times the spike amounts added.

The WG2132261-3/-4 MS/MSD recoveries performed on L2566236-03 are outside the acceptance criteria for antimony (MS 73%) and copper (MSD 72%). A post digestion spike was performed and was within acceptance criteria.

The WG2132261-3/-4 MS/MSD RPDs performed on L2566236-03 are above the acceptance criteria for copper (23%) and magnesium (47%).

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: 10/28/25

ORGANICS

VOLATILES

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-01 Date Collected: 10/20/25 12:20
Client ID: IMPORTSAND-1 Date Received: 10/20/25
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 10/28/25 09:13
Analyst: MNF
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-01 Date Collected: 10/20/25 12:20

Client ID: IMPORTSAND-1 Date Received: 10/20/25

Sample Location: Not Specified 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/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	85	37.	1
Freon-113	ND		ug/kg	4.3	0.74	1
Methyl cyclohexane	ND		ug/kg	4.3	0.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-02 Date Collected: 10/20/25 12:20

Client ID: IMPORTSAND-2 Date Received: 10/20/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260D

Analytical Date: 10/28/25 09:39

Analyst: MNF

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.86	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.20	1
Bromodichloromethane	ND		ug/kg	0.62	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.20	1
Benzene	ND		ug/kg	0.62	0.20	1
Toluene	ND		ug/kg	1.2	0.67	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-02 Date Collected: 10/20/25 12:20

Client ID: IMPORTSAND-2 Date Received: 10/20/25

Sample Location: Not Specified 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/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.69	1
o-Xylene	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
Methyl Acetate	ND		ug/kg	4.9	1.2	1
Cyclohexane	ND		ug/kg	12	0.67	1
1,4-Dioxane	ND		ug/kg	99	43.	1
Freon-113	ND		ug/kg	4.9	0.85	1
Methyl cyclohexane	ND		ug/kg	4.9	0.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/28/25 08:47
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG2133768-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	1.2	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/28/25 08:47
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG2133768-5					
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/28/25 08:47
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG2133768-5					
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG2133768-3 WG2133768-4								
Methylene chloride	94		94		70-130	0		30
1,1-Dichloroethane	94		92		70-130	2		30
Chloroform	92		94		70-130	2		30
Carbon tetrachloride	100		98		70-130	2		30
1,2-Dichloropropane	94		94		70-130	0		30
Dibromochloromethane	108		107		70-130	1		30
1,1,2-Trichloroethane	103		104		70-130	1		30
Tetrachloroethene	113		111		70-130	2		30
Chlorobenzene	109		108		70-130	1		30
Trichlorofluoromethane	**151**	Q	131		70-139	14		30
1,2-Dichloroethane	88		88		70-130	0		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	91		93		70-130	2		30
trans-1,3-Dichloropropene	106		105		70-130	1		30
cis-1,3-Dichloropropene	95		95		70-130	0		30
Bromoform	103		101		70-130	2		30
1,1,2,2-Tetrachloroethane	105		105		70-130	0		30
Benzene	97		96		70-130	1		30
Toluene	110		108		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG2133768-3 WG2133768-4								
Ethylbenzene	111		109		70-130	2		30
Chloromethane	90		85		52-130	6		30
Bromomethane	119		114		57-147	4		30
Vinyl chloride	95		90		67-130	5		30
Chloroethane	95		95		50-151	0		30
1,1-Dichloroethene	100		98		65-135	2		30
trans-1,2-Dichloroethene	95		95		70-130	0		30
Trichloroethene	95		96		70-130	1		30
1,2-Dichlorobenzene	113		111		70-130	2		30
1,3-Dichlorobenzene	113		111		70-130	2		30
1,4-Dichlorobenzene	113		111		70-130	2		30
Methyl tert butyl ether	92		93		66-130	1		30
p/m-Xylene	110		108		70-130	2		30
o-Xylene	108		108		70-130	0		30
cis-1,2-Dichloroethene	95		94		70-130	1		30
Styrene	109		107		70-130	2		30
Dichlorodifluoromethane	91		88		30-146	3		30
Acetone	56		56		54-140	0		30
Carbon disulfide	102		98		59-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG2133768-3 WG2133768-4								
2-Butanone	76		83		70-130	9		30
4-Methyl-2-pentanone	100		101		70-130	1		30
2-Hexanone	95		97		70-130	2		30
Bromochloromethane	93		93		70-130	0		30
1,2-Dibromoethane	108		109		70-130	1		30
1,2-Dibromo-3-chloropropane	104		104		68-130	0		30
Isopropylbenzene	119		114		70-130	4		30
1,2,3-Trichlorobenzene	114		113		70-130	1		30
1,2,4-Trichlorobenzene	117		113		70-130	3		30
Methyl Acetate	86		89		51-146	3		30
Cyclohexane	107		106		59-142	1		30
1,4-Dioxane	90		95		65-136	5		30
Freon-113	110		106		50-139	4		30
Methyl cyclohexane	103		101		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG2133768-3 WG2133768-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		91		70-130
Toluene-d8	107		107		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	92		95		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2133768-6 WG2133768-7 QC Sample: L2566236-01 Client ID: IMPORTSAND-1												
Methylene chloride	ND	115	110	96		88	89		70-130	22		30
1,1-Dichloroethane	ND	115	110	98		90	91		70-130	23		30
Chloroform	ND	115	110	96		88	89		70-130	22		30
Carbon tetrachloride	ND	115	130	111		100	105		70-130	21		30
1,2-Dichloropropane	ND	115	110	96		88	89		70-130	22		30
Dibromochloromethane	ND	115	120	103		95	96		70-130	23		30
1,1,2-Trichloroethane	ND	115	120	102		92	93		70-130	24		30
Tetrachloroethene	ND	115	130	116		110	107		70-130	23		30
Chlorobenzene	ND	115	120	104		95	96		70-130	23		30
Trichlorofluoromethane	ND	115	120	108		100	101		70-139	22		30
1,2-Dichloroethane	ND	115	100	88		80	81		70-130	23		30
1,1,1-Trichloroethane	ND	115	130	110		100	102		70-130	22		30
Bromodichloromethane	ND	115	110	93		85	86		70-130	23		30
trans-1,3-Dichloropropene	ND	115	120	103		93	94		70-130	25		30
cis-1,3-Dichloropropene	ND	115	110	97		88	90		70-130	24		30
Bromoform	ND	115	120	105		94	95		70-130	25		30
1,1,2,2-Tetrachloroethane	ND	115	110	98		88	89		70-130	25		30
Benzene	ND	115	120	102		94	95		70-130	22		30
Toluene	ND	115	120	108		99	101		70-130	22		30

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2133768-6 WG2133768-7 QC Sample: L2566236-01 Client ID: IMPORTSAND-1												
Ethylbenzene	ND	115	120	107		99	100		70-130	22		30
Chloromethane	ND	115	110	94		87	88		52-130	22		30
Bromomethane	ND	115	140	120		120	116		57-147	18		30
Vinyl chloride	ND	115	120	107		100	101		67-130	21		30
Chloroethane	ND	115	130	113		110	106		50-151	21		30
1,1-Dichloroethene	ND	115	130	111		100	105		65-135	21		30
trans-1,2-Dichloroethene	ND	115	120	102		96	97		70-130	21		30
Trichloroethene	ND	115	120	107		98	99		70-130	23		30
1,2-Dichlorobenzene	ND	115	110	99		88	90		70-130	25		30
1,3-Dichlorobenzene	ND	115	120	100		89	90		70-130	26		30
1,4-Dichlorobenzene	ND	115	110	98		88	89		70-130	25		30
Methyl tert butyl ether	ND	115	110	95		87	88		66-130	23		30
p/m-Xylene	ND	230	250	109		200	100		70-130	23		30
o-Xylene	ND	230	250	109		200	99		70-130	24		30
cis-1,2-Dichloroethene	ND	115	110	98		91	92		70-130	22		30
Styrene	ND	230	250	107		190	97		70-130	25		30
Dichlorodifluoromethane	ND	115	110	98		90	91		30-146	23		30
Acetone	ND	115	78	68		64	65		54-140	20		30
Carbon disulfide	ND	115	130	110		100	103		59-130	22		30

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2133768-6 WG2133768-7 QC Sample: L2566236-01 Client ID: IMPORTSAND-1												
2-Butanone	ND	115	100	87		80	81		70-130	22		30
4-Methyl-2-pentanone	ND	115	120	100		90	91		70-130	25		30
2-Hexanone	ND	115	110	97		88	89		70-130	24		30
Bromochloromethane	ND	115	110	96		88	89		70-130	22		30
1,2-Dibromoethane	ND	115	120	103		93	95		70-130	24		30
1,2-Dibromo-3-chloropropane	ND	115	110	98		86	88		68-130	27		30
Isopropylbenzene	ND	115	130	116		110	107		70-130	23		30
1,2,3-Trichlorobenzene	ND	115	100	90		78	79		70-130	28		30
1,2,4-Trichlorobenzene	ND	115	110	91		79	80		70-130	28		30
Methyl Acetate	ND	115	120	104		130	129		51-146	6		30
Cyclohexane	ND	115	140	122		110	114		59-142	22		30
1,4-Dioxane	ND	5750	5400	94		4700	95		65-136	15		30
Freon-113	ND	115	140	124		120	118		50-139	21		30
Methyl cyclohexane	ND	115	140	118		110	110		70-130	22		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		97		70-130
Toluene-d8	104		103		70-130

SEMIVOLATILES

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03
Client ID: IMPORTSAND-1+2 COMP
Sample Location: Not Specified

Date Collected: 10/20/25 12:20
Date Received: 10/20/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 10/25/25 14:28
Analyst: IMK
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 10/24/25 13:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03 Date Collected: 10/20/25 12:20

Client ID: IMPORTSAND-1+2 COMP Date Received: 10/20/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Carbazole	ND		ug/kg	170	17.	1
Atrazine	ND		ug/kg	140	61.	1
Benzaldehyde	ND		ug/kg	230	47.	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03 Date Collected: 10/20/25 12:20

Client ID: IMPORTSAND-1+2 COMP Date Received: 10/20/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	170	53.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	71		18-120

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03
Client ID: IMPORTSAND-1+2 COMP
Sample Location: Not Specified

Date Collected: 10/20/25 12:20
Date Received: 10/20/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 168,1633A
Analytical Date: 10/27/25 11:34
Analyst: CAB
Percent Solids: 94%

Extraction Method: EPA 1633
Extraction Date: 10/26/25 13:36
Cleanup Method: EPA 1633
Cleanup Date: 10/26/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.788	0.102	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.394	0.039	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.197	0.036	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.788	0.152	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.197	0.034	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.197	0.028	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.197	0.071	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.197	0.034	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.197	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.788	0.112	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.197	0.034	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.197	0.024	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.197	0.045	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.197	0.032	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.788	0.233	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.197	0.093	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.197	0.095	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.197	0.055	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.197	0.055	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.197	0.037	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.197	0.077	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.197	0.036	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.197	0.032	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.197	0.041	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.788	0.158	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.788	0.280	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03 Date Collected: 10/20/25 12:20

Client ID: IMPORTSAND-1+2 COMP Date Received: 10/20/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.197	0.057	1
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.788	0.150	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.788	0.238	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.197	0.059	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.197	0.065	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.97	0.246	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.97	0.238	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.394	0.036	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.394	0.051	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.394	0.047	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.394	0.118	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.986	0.341	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.93	0.915	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.93	1.62	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03 Date Collected: 10/20/25 12:20

Client ID: IMPORTSAND-1+2 COMP Date Received: 10/20/25

Sample Location: Not Specified 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)	85		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	79		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	80		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	73		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	73		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	75		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	85		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	85		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	74		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)	72		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	58		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	93		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	69		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	57		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	65		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	76		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	44		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	43		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	66		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	66		15-130

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-04 R
Client ID: TRIP BLANK
Sample Location: Not Specified

Date Collected: 10/20/25 12:20
Date Received: 10/20/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 168,1633A
Analytical Date: 10/26/25 14:40
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 10/24/25 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.08	2.26	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.04	0.562	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.52	0.486	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.08	1.41	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.52	0.365	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.52	0.349	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.52	0.471	1
Perfluorohexanesulfonic Acid (PFHxS)	0.486	J	ng/l	1.52	0.258	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.52	0.380	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.08	3.08	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.52	0.471	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.52	0.228	1
Perfluorooctanesulfonic Acid (PFOS)	0.501	J	ng/l	1.52	0.258	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.52	0.395	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.08	2.90	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.52	0.228	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.52	1.09	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.52	0.365	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.52	0.258	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.52	0.304	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.52	0.699	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.52	0.425	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.52	0.258	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.52	0.182	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.08	0.896	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.08	1.18	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-04 R Date Collected: 10/20/25 12:20

Client ID: TRIP BLANK Date Received: 10/20/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.52	0.319	1
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.08	0.668	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.08	0.456	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.52	0.593	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.52	0.441	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.2	1.61	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.2	1.34	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.04	0.137	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.04	0.790	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.04	0.380	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.04	0.896	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.60	1.96	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	38.0	10.9	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	38.0	11.5	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-04 R Date Collected: 10/20/25 12:20

Client ID: TRIP BLANK Date Received: 10/20/25

Sample Location: Not Specified 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)	62		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	55		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	51		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	52		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	57		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	53		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	50		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	57		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	47		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	54		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	44		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	52		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	57		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	42		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	51		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	56		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	41		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	45		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	56		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	37		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	36		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	51		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	50		10-130

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-05
Client ID: EQUIPMENT BLANK
Sample Location: Not Specified

Date Collected: 10/20/25 12:20
Date Received: 10/20/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 168,1633A
Analytical Date: 10/25/25 00:21
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 10/24/25 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	320	119.	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	160	29.6	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	80.0	25.6	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	320	74.4	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	80.0	19.2	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	80.0	18.4	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	80.0	24.8	1
Perfluorohexanesulfonic Acid (PFHxS)	20.8	J	ng/l	80.0	13.6	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	80.0	20.0	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	320	162.	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	80.0	24.8	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	80.0	12.0	1
Perfluorooctanesulfonic Acid (PFOS)	22.4	J	ng/l	80.0	13.6	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	80.0	20.8	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	320	153.	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	80.0	12.0	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	80.0	57.6	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	80.0	19.2	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	80.0	13.6	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	80.0	16.0	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	80.0	36.8	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	80.0	22.4	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	80.0	13.6	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	80.0	9.60	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	320	47.2	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	320	62.4	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-05 Date Collected: 10/20/25 12:20

Client ID: EQUIPMENT BLANK Date Received: 10/20/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	80.0	16.8	1
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	320	35.2	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	320	24.0	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	80.0	31.2	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	80.0	23.2	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	800	84.8	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	800	70.4	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	160	7.20	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	160	41.6	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	160	20.0	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	160	47.2	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	400	103.	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	2000	574.	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	2000	604.	1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-05 Date Collected: 10/20/25 12:20

Client ID: EQUIPMENT BLANK Date Received: 10/20/25

Sample Location: Not Specified 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)	74		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	69		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	72		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	70		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	74		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	57		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	69		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	78		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	68		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	70		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	64		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)	67		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	54		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	67		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	66		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	54		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	59		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	53		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	72		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	57		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	59		10-130

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/23/25 22:24
Analyst: IMK

Extraction Method: EPA 3546
Extraction Date: 10/23/25 14:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2131906-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/23/25 22:24
Analyst: IMK

Extraction Method: EPA 3546
Extraction Date: 10/23/25 14:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2131906-1					
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/23/25 22:24
Analyst: IMK

Extraction Method: EPA 3546
Extraction Date: 10/23/25 14:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2131906-1					
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/23/25 22:24
Analyst: IMK

Extraction Method: EPA 3546
Extraction Date: 10/23/25 14:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG2131906-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	84		18-120

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 168,1633A
Analytical Date: 10/24/25 21:51
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 10/24/25 13:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04-05 Batch: WG2132138-1 R					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	2.38
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.592
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.512
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.49
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.384
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.368
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.496
Perfluorohexanesulfonic Acid (PFHxS)	0.432	J	ng/l	1.60	0.272
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.400
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	3.25
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.496
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.240
Perfluorooctanesulfonic Acid (PFOS)	0.416	J	ng/l	1.60	0.272
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.416
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	3.06
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.240
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	1.15
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.384
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.272
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.320
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.736
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.448
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.272

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 168,1633A
Analytical Date: 10/24/25 21:51
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 10/24/25 13:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04-05 Batch: WG2132138-1 R					
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.192
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.944
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.25
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.336
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	0.704
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	0.480
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.624
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.464
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	1.70
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.41
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.144
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.832
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.400
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	0.944
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.06
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	11.5
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	12.1

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 168,1633A
Analytical Date: 10/24/25 21:51
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 10/24/25 13:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04-05 Batch: WG2132138-1 R					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	72		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	59		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	60		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	58		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	68		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	61		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	58		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	62		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	62		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	61		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	54		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	57		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	50		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	41		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	51		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	51		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	44		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	43		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	43		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	59		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	37		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	38		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	45		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	45		10-130

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 168,1633A
Analytical Date: 10/27/25 11:07
Analyst: CAB

Extraction Method: EPA 1633
Extraction Date: 10/26/25 13:36
Cleanup Method: EPA 1633
Cleanup Date: 10/26/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG2132873-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.104
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.040
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.036
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.154
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.034
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.028
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.072
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.034
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.044
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.114
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.034
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.024
Perfluorooctanesulfonic Acid (PFOS)	0.046	JF	ng/g	0.200	0.046
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.032
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.236
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.094
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.096
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.056
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.056
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.038
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.078
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.036
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.032

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 168,1633A
Analytical Date: 10/27/25 11:07
Analyst: CAB

Extraction Method: EPA 1633
Extraction Date: 10/26/25 13:36
Cleanup Method: EPA 1633
Cleanup Date: 10/26/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG2132873-1					
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.042
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.160
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.284
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.058
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.152
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.242
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.060
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.066
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.242
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.036
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.052
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.048
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.120
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.346
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.928
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.64

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 168,1633A
Analytical Date: 10/27/25 11:07
Analyst: CAB

Extraction Method: EPA 1633
Extraction Date: 10/26/25 13:36
Cleanup Method: EPA 1633
Cleanup Date: 10/26/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG2132873-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	89		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	80		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	75		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	80		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	74		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	92		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	87		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	61		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	86		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	64		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	59		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	69		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	55		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	79		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	40		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	35		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	57		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	57		15-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2131906-2 WG2131906-3								
Acenaphthene	66		67		31-137	2		50
Hexachlorobenzene	72		71		40-140	1		50
Bis(2-chloroethyl)ether	60		61		40-140	2		50
2-Chloronaphthalene	71		72		40-140	1		50
3,3'-Dichlorobenzidine	48		47		40-140	2		50
2,4-Dinitrotoluene	87		86		40-132	1		50
2,6-Dinitrotoluene	92		91		40-140	1		50
Fluoranthene	68		69		40-140	1		50
4-Chlorophenyl phenyl ether	69		69		40-140	0		50
4-Bromophenyl phenyl ether	71		71		40-140	0		50
Bis(2-chloroisopropyl)ether	84		85		40-140	1		50
Bis(2-chloroethoxy)methane	69		68		40-117	1		50
Hexachlorobutadiene	63		64		40-140	2		50
Hexachlorocyclopentadiene	75		73		40-140	3		50
Hexachloroethane	58		62		40-140	7		50
Isophorone	72		71		40-140	1		50
Naphthalene	63		64		40-140	2		50
Nitrobenzene	68		68		40-140	0		50
NDPA/DPA	71		71		36-157	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2131906-2 WG2131906-3								
n-Nitrosodi-n-propylamine	70		70		32-121	0		50
Bis(2-ethylhexyl)phthalate	73		72		40-140	1		50
Butyl benzyl phthalate	68		69		40-140	1		50
Di-n-butylphthalate	76		76		40-140	0		50
Di-n-octylphthalate	72		73		40-140	1		50
Diethyl phthalate	73		73		40-140	0		50
Dimethyl phthalate	78		77		40-140	1		50
Benzo(a)anthracene	68		68		40-140	0		50
Benzo(a)pyrene	74		73		40-140	1		50
Benzo(b)fluoranthene	71		72		40-140	1		50
Benzo(k)fluoranthene	71		70		40-140	1		50
Chrysene	70		70		40-140	0		50
Acenaphthylene	73		72		40-140	1		50
Anthracene	68		68		40-140	0		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	69		70		40-140	1		50
Phenanthrene	65		66		40-140	2		50
Dibenzo(a,h)anthracene	72		69		40-140	4		50
Indeno(1,2,3-cd)pyrene	75		75		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2131906-2 WG2131906-3								
Pyrene	66		68		35-142	3		50
Biphenyl	72		72		37-127	0		50
4-Chloroaniline	51		47		40-140	8		50
2-Nitroaniline	89		88		47-134	1		50
3-Nitroaniline	58		56		26-129	4		50
4-Nitroaniline	78		79		41-125	1		50
Dibenzofuran	67		67		40-140	0		50
2-Methylnaphthalene	71		71		40-140	0		50
1,2,4,5-Tetrachlorobenzene	69		70		40-117	1		50
Acetophenone	72		71		14-144	1		50
2,4,6-Trichlorophenol	90		88		30-130	2		50
p-Chloro-m-cresol	76		75		26-103	1		50
2-Chlorophenol	70		70		25-102	0		50
2,4-Dichlorophenol	83		82		30-130	1		50
2,4-Dimethylphenol	76		74		30-130	3		50
2-Nitrophenol	95		95		30-130	0		50
4-Nitrophenol	89		90		11-114	1		50
2,4-Dinitrophenol	110		107		4-130	3		50
4,6-Dinitro-o-cresol	113		113		10-130	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG2131906-2 WG2131906-3								
Pentachlorophenol	81		82		17-109	1		50
Phenol	69		69		26-90	0		50
2-Methylphenol	73		72		30-130	1		50
3-Methylphenol/4-Methylphenol	74		74		30-130	0		50
2,4,5-Trichlorophenol	87		88		30-130	1		50
Carbazole	68		67		54-128	1		50
Atrazine	92		92		40-140	0		50
Benzaldehyde	54		55		40-140	2		50
Caprolactam	89		87		15-130	2		50
2,3,4,6-Tetrachlorophenol	86		86		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		68		25-120
Phenol-d6	68		67		10-120
Nitrobenzene-d5	69		68		23-120
2-Fluorobiphenyl	68		68		30-120
2,4,6-Tribromophenol	86		84		10-136
4-Terphenyl-d14	68		68		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

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): 04-05 Batch: WG2132138-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	96		-		70-140	-		
Perfluoropentanoic Acid (PFPeA)	95		-		65-135	-		
Perfluorobutanesulfonic Acid (PFBS)	98		-		60-145	-		
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	109		-		70-145	-		
Perfluorohexanoic Acid (PFHxA)	102		-		70-145	-		
Perfluoropentanesulfonic Acid (PFPeS)	86		-		65-140	-		
Perfluoroheptanoic Acid (PFHpA)	96		-		70-150	-		
Perfluorohexanesulfonic Acid (PFHxS)	80		-		65-145	-		
Perfluorooctanoic Acid (PFOA)	104		-		70-150	-		
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	111		-		65-155	-		
Perfluoroheptanesulfonic Acid (PFHpS)	100		-		70-150	-		
Perfluorononanoic Acid (PFNA)	86		-		70-150	-		
Perfluorooctanesulfonic Acid (PFOS)	101		-		55-150	-		
Perfluorodecanoic Acid (PFDA)	91		-		70-140	-		
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	94		-		60-150	-		
Perfluorononanesulfonic Acid (PFNS)	75		-		65-145	-		
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	81		-		50-140	-		
Perfluoroundecanoic Acid (PFUnA)	91		-		70-145	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

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): 04-05 Batch: WG2132138-2 LOW LEVEL								
Perfluorodecanesulfonic Acid (PFDS)	71		-		60-145	-		
Perfluorooctanesulfonamide (PFOSA)	91		-		70-145	-		
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		-		70-145	-		
Perfluorododecanoic Acid (PFDoA)	90		-		70-140	-		
Perfluorotridecanoic Acid (PFTrDA)	94		-		65-140	-		
Perfluorotetradecanoic Acid (PFTeDA)	116		-		60-140	-		
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	87		-		70-140	-		
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	110		-		65-145	-		
Perfluorododecanesulfonic Acid (PFDoS)	61		-		50-145	-		
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	106		-		70-155	-		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	73		-		55-160	-		
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	104		-		60-150	-		
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	88		-		65-145	-		
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	95		-		70-145	-		
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	95		-		70-135	-		
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	89		-		55-140	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

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): 04-05 Batch: WG2132138-2 LOW LEVEL								
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	97		-		60-150	-		
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	87		-		70-140	-		
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	94		-		50-150	-		
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	95		-		65-130	-		
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	72		-		70-135	-		
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	71		-		50-145	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

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): 04-05 Batch: WG2132138-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	69				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	61				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	57				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	60				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	66				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	62				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	58				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	64				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	60				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	64				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	55				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	62				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	50				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	**39**	Q			40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	55				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	57				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	37				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	45				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	46				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	70				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	45				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	45				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	53				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	54				10-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04-05 Batch: WG2132138-3								
Perfluorobutanoic Acid (PFBA)	91		-		70-140	-		
Perfluoropentanoic Acid (PFPeA)	94		-		65-135	-		
Perfluorobutanesulfonic Acid (PFBS)	87		-		60-145	-		
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	92		-		70-145	-		
Perfluorohexanoic Acid (PFHxA)	92		-		70-145	-		
Perfluoropentanesulfonic Acid (PFPeS)	95		-		65-140	-		
Perfluoroheptanoic Acid (PFHpA)	99		-		70-150	-		
Perfluorohexanesulfonic Acid (PFHxS)	88		-		65-145	-		
Perfluorooctanoic Acid (PFOA)	89		-		70-150	-		
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	93		-		65-155	-		
Perfluoroheptanesulfonic Acid (PFHpS)	88		-		70-150	-		
Perfluorononanoic Acid (PFNA)	87		-		70-150	-		
Perfluorooctanesulfonic Acid (PFOS)	86		-		55-150	-		
Perfluorodecanoic Acid (PFDA)	88		-		70-140	-		
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100		-		60-150	-		
Perfluorononanesulfonic Acid (PFNS)	85		-		65-145	-		
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	112		-		50-140	-		
Perfluoroundecanoic Acid (PFUnA)	96		-		70-145	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04-05 Batch: WG2132138-3								
Perfluorodecanesulfonic Acid (PFDS)	82		-		60-145	-		
Perfluorooctanesulfonamide (PFOSA)	96		-		70-145	-		
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	93		-		70-145	-		
Perfluorododecanoic Acid (PFDoA)	88		-		70-140	-		
Perfluorotridecanoic Acid (PFTrDA)	89		-		65-140	-		
Perfluorotetradecanoic Acid (PFTeDA)	99		-		60-140	-		
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	93		-		70-140	-		
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	105		-		65-145	-		
Perfluorododecanesulfonic Acid (PFDoS)	78		-		50-145	-		
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	102		-		70-155	-		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	92		-		55-160	-		
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	94		-		60-150	-		
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	97		-		65-145	-		
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	97		-		70-145	-		
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	95		-		70-135	-		
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	94		-		55-140	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04-05 Batch: WG2132138-3								
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	91		-		60-150	-		
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	90		-		70-140	-		
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	96		-		50-150	-		
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	89		-		65-130	-		
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	78		-		70-135	-		
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	68		-		50-145	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04-05 Batch: WG2132138-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	76				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	69				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	71				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	66				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	79				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	71				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	74				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	65				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	57				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	73				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	58				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	73				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	70				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	81				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	55				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	53				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	73				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	76				10-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

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): 03 Batch: WG2132873-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	106		-		70-140	-		
Perfluoropentanoic Acid (PFPeA)	105		-		60-150	-		
Perfluorobutanesulfonic Acid (PFBS)	110		-		65-145	-		
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	114		-		60-150	-		
Perfluorohexanoic Acid (PFHxA)	110		-		65-140	-		
Perfluoropentanesulfonic Acid (PFPeS)	101		-		55-160	-		
Perfluoroheptanoic Acid (PFHpA)	118		-		65-145	-		
Perfluorohexanesulfonic Acid (PFHxS)	101		-		60-150	-		
Perfluorooctanoic Acid (PFOA)	108		-		70-150	-		
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	85		-		55-200	-		
Perfluoroheptanesulfonic Acid (PFHpS)	96		-		65-155	-		
Perfluorononanoic Acid (PFNA)	109		-		70-155	-		
Perfluorooctanesulfonic Acid (PFOS)	121		-		65-160	-		
Perfluorodecanoic Acid (PFDA)	98		-		70-155	-		
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	87		-		70-150	-		
Perfluorononanesulfonic Acid (PFNS)	98		-		55-140	-		
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	76		-		65-155	-		
Perfluoroundecanoic Acid (PFUnA)	101		-		70-155	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

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): 03 Batch: WG2132873-2 LOW LEVEL								
Perfluorodecanesulfonic Acid (PFDS)	100		-		40-155	-		
Perfluorooctanesulfonamide (PFOSA)	106		-		70-140	-		
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	112		-		65-165	-		
Perfluorododecanoic Acid (PFDoA)	104		-		70-150	-		
Perfluorotridecanoic Acid (PFTrDA)	93		-		65-150	-		
Perfluorotetradecanoic Acid (PFTeDA)	106		-		65-150	-		
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	102		-		70-145	-		
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	127		-		70-160	-		
Perfluorododecanesulfonic Acid (PFDoS)	83		-		25-160	-		
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	120		-		70-150	-		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	104		-		45-160	-		
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	88		-		70-155	-		
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	100		-		70-140	-		
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	107		-		70-140	-		
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	104		-		70-135	-		
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	99		-		30-140	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

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): 03 Batch: WG2132873-2 LOW LEVEL								
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	101		-		60-150	-		
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	112		-		70-140	-		
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	106		-		60-155	-		
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	96		-		45-130	-		
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	100		-		60-130	-		
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	102		-		60-150	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

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): 03 Batch: WG2132873-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	96				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	73				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	91				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	90				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	88				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	89				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)	99				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	76				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	95				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	92				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	70				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	93				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	80				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	93				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	67				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	62				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	85				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	89				15-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG2132873-3								
Perfluorobutanoic Acid (PFBA)	96		-		70-140	-		
Perfluoropentanoic Acid (PFPeA)	103		-		60-150	-		
Perfluorobutanesulfonic Acid (PFBS)	98		-		65-145	-		
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	94		-		60-150	-		
Perfluorohexanoic Acid (PFHxA)	98		-		65-140	-		
Perfluoropentanesulfonic Acid (PFPeS)	104		-		55-160	-		
Perfluoroheptanoic Acid (PFHpA)	105		-		65-145	-		
Perfluorohexanesulfonic Acid (PFHxS)	89		-		60-150	-		
Perfluorooctanoic Acid (PFOA)	89		-		70-150	-		
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		55-200	-		
Perfluoroheptanesulfonic Acid (PFHpS)	100		-		65-155	-		
Perfluorononanoic Acid (PFNA)	103		-		70-155	-		
Perfluorooctanesulfonic Acid (PFOS)	88		-		65-160	-		
Perfluorodecanoic Acid (PFDA)	94		-		70-155	-		
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	108		-		70-150	-		
Perfluorononanesulfonic Acid (PFNS)	92		-		55-140	-		
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	118		-		65-155	-		
Perfluoroundecanoic Acid (PFUnA)	104		-		70-155	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG2132873-3								
Perfluorodecanesulfonic Acid (PFDS)	88		-		40-155	-		
Perfluorooctanesulfonamide (PFOSA)	100		-		70-140	-		
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	96		-		65-165	-		
Perfluorododecanoic Acid (PFDoA)	93		-		70-150	-		
Perfluorotridecanoic Acid (PFTrDA)	82		-		65-150	-		
Perfluorotetradecanoic Acid (PFTeDA)	100		-		65-150	-		
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	98		-		70-145	-		
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	113		-		70-160	-		
Perfluorododecanesulfonic Acid (PFDoS)	69		-		25-160	-		
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	105		-		70-150	-		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	96		-		45-160	-		
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	102		-		70-155	-		
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	102		-		70-140	-		
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	104		-		70-140	-		
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	103		-		70-135	-		
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	93		-		30-140	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG2132873-3								
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	96		-		60-150	-		
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	91		-		70-140	-		
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	98		-		60-155	-		
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	92		-		45-130	-		
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	88		-		60-130	-		
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	90		-		60-150	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG2132873-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	88				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	83				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	93				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	93				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)	88				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	69				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	63				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	83				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	66				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	62				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	87				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	55				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	51				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	76				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	75				15-130

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2131906-6 WG2131906-7 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
Acenaphthene	ND	1410	1000	71		1400	99		31-137	33		50
Hexachlorobenzene	ND	1410	1200	85		1700	120		40-140	34		50
Bis(2-chloroethyl)ether	ND	1410	860	61		1100	78		40-140	24		50
2-Chloronaphthalene	ND	1410	1100	78		1500	110		40-140	31		50
3,3'-Dichlorobenzidine	ND	1410	930	66		1200	85		40-140	25		50
2,4-Dinitrotoluene	ND	1410	940	67		1400	99		40-132	39		50
2,6-Dinitrotoluene	ND	1410	1300	92		1800	130		40-140	32		50
Fluoranthene	ND	1410	1200	85		1500	110		40-140	22		50
4-Chlorophenyl phenyl ether	ND	1410	1100	78		1600	110		40-140	37		50
4-Bromophenyl phenyl ether	ND	1410	1200	85		1700	120		40-140	34		50
Bis(2-chloroisopropyl)ether	ND	1410	910	64		1200	85		40-140	27		50
Bis(2-chloroethoxy)methane	ND	1410	910	64		1200	85		40-117	27		50
Hexachlorobutadiene	ND	1410	1100	78		1500	110		40-140	31		50
Hexachlorocyclopentadiene	ND	1410	1100	78		1600	110		40-140	37		50
Hexachloroethane	ND	1410	910	64		1200	85		40-140	27		50
Isophorone	ND	1410	930	66		1300	92		40-140	33		50
Naphthalene	ND	1410	1000	71		1300	92		40-140	26		50
Nitrobenzene	ND	1410	900	64		1200	85		40-140	29		50
NDPA/DPA	ND	1410	1100	78		1600	110		36-157	37		50

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2131906-6 WG2131906-7 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
n-Nitrosodi-n-propylamine	ND	1410	890	63		1200	85		32-121	30		50
Bis(2-ethylhexyl)phthalate	ND	1410	1100	78		1600	110		40-140	37		50
Butyl benzyl phthalate	ND	1410	990	70		1400	99		40-140	34		50
Di-n-butylphthalate	ND	1410	1100	78		1500	110		40-140	31		50
Di-n-octylphthalate	ND	1410	1200	85		1800	130		40-140	40		50
Diethyl phthalate	ND	1410	1100	78		1600	110		40-140	37		50
Dimethyl phthalate	ND	1410	1200	85		1600	110		40-140	29		50
Benzo(a)anthracene	ND	1410	1100	78		1500	110		40-140	31		50
Benzo(a)pyrene	ND	1410	1200	85		1600	110		40-140	29		50
Benzo(b)fluoranthene	ND	1410	1200	85		1600	110		40-140	29		50
Benzo(k)fluoranthene	ND	1410	1100	78		1500	110		40-140	31		50
Chrysene	ND	1410	1100	78		1600	110		40-140	37		50
Acenaphthylene	ND	1410	1100	78		1500	110		40-140	31		50
Anthracene	ND	1410	1000	71		1400	99		40-140	33		50
Benzo(ghi)perylene	ND	1410	1100	78		1500	110		40-140	31		50
Fluorene	ND	1410	1100	78		1500	110		40-140	31		50
Phenanthrene	ND	1410	1100	78		1400	99		40-140	24		50
Dibenzo(a,h)anthracene	ND	1410	1100	78		1500	110		40-140	31		50
Indeno(1,2,3-cd)pyrene	ND	1410	1200	85		1700	120		40-140	34		50

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2131906-6 WG2131906-7 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
Pyrene	ND	1410	1100	78		1400	99		35-142	24		50
Biphenyl	ND	1410	1200	85		1600	110		37-127	29		50
4-Chloroaniline	ND	1410	650	46		850	60		40-140	27		50
2-Nitroaniline	ND	1410	1200	85		1800	130		47-134	40		50
3-Nitroaniline	ND	1410	960	68		1300	92		26-129	30		50
4-Nitroaniline	ND	1410	1100	78		1600	110		41-125	37		50
Dibenzofuran	ND	1410	1000	71		1500	110		40-140	40		50
2-Methylnaphthalene	ND	1410	1100	78		1500	110		40-140	31		50
1,2,4,5-Tetrachlorobenzene	ND	1410	1200	85		1700	**120**	Q	40-117	34		50
Acetophenone	ND	1410	1100	78		1400	99		14-144	24		50
2,4,6-Trichlorophenol	ND	1410	1300	92		1800	130		30-130	32		50
p-Chloro-m-cresol	ND	1410	1100	78		1600	**110**	Q	26-103	37		50
2-Chlorophenol	ND	1410	1000	71		1400	99		25-102	33		50
2,4-Dichlorophenol	ND	1410	1200	85		1600	110		30-130	29		50
2,4-Dimethylphenol	ND	1410	1100	78		1400	99		30-130	24		50
2-Nitrophenol	ND	1410	1200	85		1600	110		30-130	29		50
4-Nitrophenol	ND	1410	850	60		1200	85		11-114	34		50
2,4-Dinitrophenol	ND	1410	250J	18		350J	25		4-130	33		50
4,6-Dinitro-o-cresol	ND	1410	700	50		1000	71		10-130	35		50

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2131906-6 WG2131906-7 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
Pentachlorophenol	ND	1410	980	69		1400	99		17-109	35		50
Phenol	ND	1410	980	69		1300	**92**	Q	26-90	28		50
2-Methylphenol	ND	1410	1000	71		1400	99		30-130	33		50
3-Methylphenol/4-Methylphenol	ND	1410	1100	78		1400	99		30-130	24		50
2,4,5-Trichlorophenol	ND	1410	1300	92		1800	130		30-130	32		50
Carbazole	ND	1410	990	70		1400	99		54-128	34		50
Atrazine	ND	1410	1100	78		1500	110		40-140	31		50
Benzaldehyde	ND	1410	1100	78		1300	92		40-140	17		50
Caprolactam	ND	1410	1200	85		1600	110		15-130	29		50
2,3,4,6-Tetrachlorophenol	ND	1410	1200	85		1700	120		40-140	34		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	88		123		10-136
2-Fluorobiphenyl	76		105		30-120
2-Fluorophenol	70		94		25-120
4-Terphenyl-d14	74		105		18-120
Nitrobenzene-d5	65		86		23-120
Phenol-d6	67		91		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2132873-4 WG2132873-5 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
Perfluorobutanoic Acid (PFBA)	ND	19.7	18.4	93		18.1	92		70-140	2		30
Perfluoropentanoic Acid (PFPeA)	ND	9.86	9.95	101		9.84	100		60-150	1		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.38	4.29	98		4.27	98		65-145	0		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	18.5	17.5	95		17.2	93		60-150	2		30
Perfluorohexanoic Acid (PFHxA)	ND	4.93	4.59	93		4.88	99		65-140	6		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.65	4.91	106		4.49	97		55-160	9		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.93	5.12	104		4.88	99		65-145	5		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.53	4.20	93		4.24	94		60-150	1		30
Perfluorooctanoic Acid (PFOA)	ND	4.93	4.31	87		4.29	87		70-150	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	18.8	22.4	119		16.9	90		55-200	28		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.69	4.60	98		4.78	102		65-155	4		30
Perfluorononanoic Acid (PFNA)	ND	4.93	5.12	104		5.30	108		70-155	3		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.57	4.08	89		4.67	102		65-160	13		30
Perfluorodecanoic Acid (PFDA)	ND	4.93	4.20	85		4.14	84		70-155	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	18.9	16.9	89		16.5	87		70-150	2		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.77	4.46	94		5.00	105		55-140	11		30
N-Methyl	ND	4.93	5.35	109		5.10	103		65-155	5		30

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2132873-4 WG2132873-5 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
Perfluoroundecanoic Acid (PFUnA)	ND	4.93	4.80	97		4.57	93		70-155	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.77	4.16	87		4.76	100		40-155	13		30
Perfluorooctanesulfonamide (PFOSA)	ND	4.93	4.85	98		4.79	97		70-140	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.93	4.68	95		4.86	99		65-165	4		30
Perfluorododecanoic Acid (PFDoA)	ND	4.93	4.77	97		4.69	95		70-150	2		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.93	4.41	90		4.13	84		65-150	7		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	4.93	4.93	100		4.63	94		65-150	6		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	19.7	19.2	97		19.2	97		70-145	0		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	18.6	21.0	113		19.4	104		70-160	8		30
Perfluorododecanesulfonic Acid (PFDoS)	ND	4.81	3.14	65		3.84	80		25-160	20		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	18.4	20.6	112		19.8	108		70-150	4		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	18.6	17.9	96		20.4	110		45-160	13		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	4.93	4.82	98		4.60	93		70-155	5		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	4.93	5.36	109		4.92	100		70-140	9		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	49.3	51.6	105		46.8	95		70-140	10		30
N-Ethyl	ND	49.3	50.3	102		48.0	97		70-135	5		30

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2132873-4 WG2132873-5 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	9.86	9.37	95		8.76	89		30-140	7		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	9.86	9.64	98		9.34	95		60-150	3		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	8.79	8.50	97		7.72	88		70-140	10		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	9.86	9.25	94		8.09	82		60-155	13		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND	24.6	23.0	93		21.9	89		45-130	5		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	123	109	89		101	82		60-130	8		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	123	109	89		100	81		60-150	9		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)	73		68		40-275
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	79		85		40-165
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	63		83		40-215
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	48		42		10-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	59		52		40-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	74		70		15-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	57		48		10-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	58		55		40-135
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	73		72		20-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77		76		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	77		72		40-130

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2132873-4 WG2132873-5 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	77		65		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		86		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	84		82		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	95		88		40-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86		80		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78		75		40-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	71		76		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	57		62		20-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	89		85		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81		71		35-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	92		84		40-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		86		40-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	82		72		40-130

PCBS

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03
Client ID: IMPORTSAND-1+2 COMP
Sample Location: Not Specified

Date Collected: 10/20/25 12:20
Date Received: 10/20/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/26/25 12:45
Analyst: SDC
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 10/24/25 19:30
Cleanup Method: EPA 3665A
Cleanup Date: 10/25/25
Cleanup Method: EPA 3660B
Cleanup Date: 10/25/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.7	4.59	1	A
Aroclor 1221	ND		ug/kg	51.7	5.18	1	A
Aroclor 1232	ND		ug/kg	51.7	11.0	1	A
Aroclor 1242	ND		ug/kg	51.7	6.96	1	A
Aroclor 1248	ND		ug/kg	51.7	7.75	1	A
Aroclor 1254	ND		ug/kg	51.7	5.65	1	A
Aroclor 1260	ND		ug/kg	51.7	9.55	1	A
Aroclor 1262	ND		ug/kg	51.7	6.56	1	A
Aroclor 1268	ND		ug/kg	51.7	5.35	1	A
PCBs, Total	ND		ug/kg	51.7	4.59	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/26/25 12:21
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 10/24/25 19:30
Cleanup Method: EPA 3665A
Cleanup Date: 10/25/25
Cleanup Method: EPA 3660B
Cleanup Date: 10/25/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG2132514-1						
Aroclor 1016	ND		ug/kg	48.0	4.26	A
Aroclor 1221	ND		ug/kg	48.0	4.81	A
Aroclor 1232	ND		ug/kg	48.0	10.2	A
Aroclor 1242	ND		ug/kg	48.0	6.47	A
Aroclor 1248	ND		ug/kg	48.0	7.20	A
Aroclor 1254	ND		ug/kg	48.0	5.25	A
Aroclor 1260	ND		ug/kg	48.0	8.87	A
Aroclor 1262	ND		ug/kg	48.0	6.09	A
Aroclor 1268	ND		ug/kg	48.0	4.97	A
PCBs, Total	ND		ug/kg	48.0	4.26	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG2132514-2 WG2132514-3									
Aroclor 1016	86		93		40-140	8		50	A
Aroclor 1260	94		103		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		91		30-150	A
Decachlorobiphenyl	84		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		95		30-150	B
Decachlorobiphenyl	79		87		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: NORTHTOWN - STATION 12

Project Number: 21.0056687.40

Lab Number: L2566236

Report Date: 10/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 QC Batch ID: WG2132514-4 WG2132514-5 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP													
Aroclor 1016	ND	316	279	88		291	91		40-140	4		50	A
Aroclor 1260	ND	316	310	98		323	101		40-140	4		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		90		30-150	A
Decachlorobiphenyl	86		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		92		30-150	B
Decachlorobiphenyl	82		84		30-150	B

PESTICIDES

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03
Client ID: IMPORTSAND-1+2 COMP
Sample Location: Not Specified

Date Collected: 10/20/25 12:20
Date Received: 10/20/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/25/25 12:29
Analyst: EJL
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 10/24/25 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/25/25
Cleanup Method: EPA 3660B
Cleanup Date: 10/25/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.314	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.844	0.378	1	A
Aldrin	ND		ug/kg	1.69	0.594	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.950	1	A
Endrin	ND		ug/kg	0.704	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	ND		ug/kg	1.69	0.390	1	A
4,4'-DDD	ND		ug/kg	1.69	0.602	1	A
4,4'-DDT	ND		ug/kg	1.69	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.985	1	A
Toxaphene	ND		ug/kg	31.7	8.86	1	A
cis-Chlordane	ND		ug/kg	2.11	0.588	1	A
trans-Chlordane	ND		ug/kg	2.11	0.557	1	A
Chlordane	ND		ug/kg	14.1	5.59	1	A

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03 Date Collected: 10/20/25 12:20

Client ID: IMPORTSAND-1+2 COMP Date Received: 10/20/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	112		30-150	B
Decachlorobiphenyl	140		30-150	B

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/25/25 11:52
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 10/24/25 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/25/25
Cleanup Method: EPA 3660B
Cleanup Date: 10/25/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG2132509-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.670	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	1.53	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.304	A
Methoxychlor	ND		ug/kg	2.87	0.894	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.8	5.08	A

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/25/25 11:52
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 10/24/25 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/25/25
Cleanup Method: EPA 3660B
Cleanup Date: 10/25/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG2132509-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	128		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG2132509-2 WG2132509-3									
Delta-BHC	108		119		30-150	10		30	A
Lindane	109		119		30-150	9		30	A
Alpha-BHC	108		118		30-150	9		30	A
Beta-BHC	111		121		30-150	9		30	A
Heptachlor	112		123		30-150	9		30	A
Aldrin	113		122		30-150	8		30	A
Heptachlor epoxide	108		127		30-150	16		30	A
Endrin	122		136		30-150	11		30	A
Endrin aldehyde	111		128		30-150	14		30	A
Endrin ketone	120		134		30-150	11		30	A
Dieldrin	121		133		30-150	9		30	A
4,4'-DDE	118		129		30-150	9		30	A
4,4'-DDD	124		136		30-150	9		30	A
4,4'-DDT	129		139		30-150	7		30	A
Endosulfan I	118		128		30-150	8		30	A
Endosulfan II	141		**155**	Q	30-150	9		30	A
Endosulfan sulfate	113		130		30-150	14		30	A
Methoxychlor	135		**166**	Q	30-150	21		30	A
cis-Chlordane	109		119		30-150	9		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG2132509-2 WG2132509-3									
trans-Chlordane	109		148		30-150	30		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		110		30-150	A
Decachlorobiphenyl	88		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		104		30-150	B
Decachlorobiphenyl	120		129		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 QC Batch ID: WG2132509-4 WG2132509-5 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP													
Delta-BHC	ND	34.3	40.0	117		41.4	121		30-150	3		50	A
Lindane	ND	34.3	40.4	118		41.2	121		30-150	2		50	A
Alpha-BHC	ND	34.3	40.0	117		40.9	120		30-150	2		50	A
Beta-BHC	ND	34.3	41.7	122		42.8	126		30-150	3		50	A
Heptachlor	ND	34.3	41.1	120		42.5	125		30-150	3		50	A
Aldrin	ND	34.3	41.3	120		42.6	125		30-150	3		50	A
Heptachlor epoxide	ND	34.3	37.9	110		39.5	116		30-150	4		50	A
Endrin	ND	34.3	43.9	128		46.0	135		30-150	5		50	A
Endrin aldehyde	ND	34.3	41.4	121		42.5	125		30-150	3		50	A
Endrin ketone	ND	34.3	44.6	130		46.8	137		30-150	5		50	A
Dieldrin	ND	34.3	44.3	129		46.3	136		30-150	4		50	A
4,4'-DDE	ND	34.3	42.7	124		45.0	132		30-150	5		50	A
4,4'-DDD	ND	34.3	45.5	133		47.4	139		30-150	4		50	A
4,4'-DDT	ND	34.3	46.5	136		48.5	142		30-150	4		50	A
Endosulfan I	ND	34.3	43.2	126		44.9	132		30-150	4		50	A
Endosulfan II	ND	34.3	52.0	**152**	Q	53.8	**158**	Q	30-150	3		50	A
Endosulfan sulfate	ND	34.3	43.4	127		45.2	133		30-150	4		50	A
Methoxychlor	ND	34.3	49.2	143		50.8	149		30-150	3		50	A
cis-Chlordane	ND	34.3	39.6	115		40.6	119		30-150	2		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 QC Batch ID: WG2132509-4 WG2132509-5 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP													
trans-Chlordane	ND	34.3	40.0	117		41.5	122		30-150	4		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		112		30-150	A
Decachlorobiphenyl	107		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		108		30-150	B
Decachlorobiphenyl	126		129		30-150	B

METALS

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03 Date Collected: 10/20/25 12:20

Client ID: IMPORTSAND-1+2 COMP Date Received: 10/20/25

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2400		mg/kg	16.6	5.40	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Antimony, Total	ND		mg/kg	8.30	6.39	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Arsenic, Total	2.52		mg/kg	1.66	0.717	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Barium, Total	30.8		mg/kg	1.66	0.176	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Beryllium, Total	0.139	J	mg/kg	0.830	0.091	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Cadmium, Total	ND		mg/kg	1.66	0.091	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Calcium, Total	94100		mg/kg	16.6	9.42	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Chromium, Total	3.48		mg/kg	1.66	1.41	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Cobalt, Total	3.27	J	mg/kg	3.32	0.412	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Copper, Total	14.8		mg/kg	1.66	0.377	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Iron, Total	6640		mg/kg	8.30	1.74	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Lead, Total	5.00	J	mg/kg	8.30	0.395	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Magnesium, Total	39600		mg/kg	16.6	2.71	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Manganese, Total	354		mg/kg	1.66	0.890	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Mercury, Total	ND		mg/kg	0.088	0.057	1	10/24/25 11:17	10/24/25 22:53	EPA 7471B	1,7471B	RDB
Nickel, Total	6.35		mg/kg	4.15	1.34	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Potassium, Total	482		mg/kg	415	84.2	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Selenium, Total	ND		mg/kg	3.32	0.546	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Silver, Total	ND		mg/kg	0.830	0.495	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Sodium, Total	ND		mg/kg	332	176.	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Thallium, Total	ND		mg/kg	3.32	1.50	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Vanadium, Total	5.13		mg/kg	1.66	0.251	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC
Zinc, Total	29.2		mg/kg	8.30	1.01	4	10/24/25 10:07	10/24/25 23:14	EPA 3050B	1,6010D	ZPC

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

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): 03 Batch: WG2132261-1										
Aluminum, Total	ND		mg/kg	4.00	1.30	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Antimony, Total	ND		mg/kg	2.00	1.54	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Arsenic, Total	ND		mg/kg	0.400	0.173	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Barium, Total	ND		mg/kg	0.400	0.042	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Beryllium, Total	ND		mg/kg	0.200	0.022	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Cadmium, Total	ND		mg/kg	0.400	0.022	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Calcium, Total	ND		mg/kg	4.00	2.27	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Chromium, Total	ND		mg/kg	0.400	0.339	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Cobalt, Total	ND		mg/kg	0.800	0.099	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Copper, Total	ND		mg/kg	0.400	0.091	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Iron, Total	1.81	J	mg/kg	2.00	0.420	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Lead, Total	ND		mg/kg	2.00	0.095	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Magnesium, Total	ND		mg/kg	4.00	0.652	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Manganese, Total	ND		mg/kg	0.400	0.214	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Nickel, Total	ND		mg/kg	1.00	0.323	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Potassium, Total	ND		mg/kg	100	20.3	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Selenium, Total	ND		mg/kg	0.800	0.132	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Silver, Total	ND		mg/kg	0.200	0.119	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Sodium, Total	ND		mg/kg	80.0	42.4	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Thallium, Total	ND		mg/kg	0.800	0.361	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Vanadium, Total	ND		mg/kg	0.400	0.060	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC
Zinc, Total	ND		mg/kg	2.00	0.242	1	10/24/25 10:07	10/24/25 21:46	1,6010D	ZPC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG2132265-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/24/25 11:17	10/24/25 22:48	1,7471B	RDB

Project Name: NORTHTOWN - STATION 12 **Lab Number:** L2566236

Project Number: 21.0056687.40 **Report Date:** 10/28/25

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG2132261-2								
Aluminum, Total	106		-		80-120	-		20
Antimony, Total	104		-		80-120	-		20
Arsenic, Total	102		-		80-120	-		20
Barium, Total	106		-		80-120	-		20
Beryllium, Total	106		-		80-120	-		20
Cadmium, Total	102		-		80-120	-		20
Calcium, Total	100		-		80-120	-		20
Chromium, Total	101		-		80-120	-		20
Cobalt, Total	102		-		80-120	-		20
Copper, Total	104		-		80-120	-		20
Iron, Total	104		-		80-120	-		20
Lead, Total	106		-		80-120	-		20
Magnesium, Total	100		-		80-120	-		20
Manganese, Total	104		-		80-120	-		20
Nickel, Total	104		-		80-120	-		20
Potassium, Total	110		-		80-120	-		20
Selenium, Total	104		-		80-120	-		20
Silver, Total	101		-		80-120	-		20
Sodium, Total	106		-		80-120	-		20
Thallium, Total	104		-		80-120	-		20
Vanadium, Total	105		-		80-120	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG2132261-2					
Zinc, Total	102	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG2132265-2					
Mercury, Total	82	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2132261-3 WG2132261-4 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
Aluminum, Total	2400	166	2290	**0**	Q	2520	**72**	Q	75-125	10		20
Antimony, Total	ND	41.4	30.2	**73**	Q	31.7	76		75-125	5		20
Arsenic, Total	2.52	9.95	12.9	104		12.6	101		75-125	2		20
Barium, Total	30.8	166	193	98		213	109		75-125	10		20
Beryllium, Total	0.139J	4.14	4.18	101		4.24	102		75-125	1		20
Cadmium, Total	ND	4.39	4.07	93		4.12	93		75-125	1		20
Calcium, Total	94100	829	88400	**0**	Q	72200	**0**	Q	75-125	20		20
Chromium, Total	3.48	16.6	18.3	89		19.0	93		75-125	4		20
Cobalt, Total	3.27J	41.4	39.3	95		40.1	96		75-125	2		20
Copper, Total	14.8	20.7	37.5	110		29.8	**72**	Q	75-125	**23**	Q	20
Iron, Total	6640	82.9	5790	**0**	Q	5840	**0**	Q	75-125	1		20
Lead, Total	5.00J	43.9	48.0	109		47.3	107		75-125	1		20
Magnesium, Total	39600	829	47600	**965**	Q	29500	**0**	Q	75-125	**47**	Q	20
Manganese, Total	354	41.4	318	**0**	Q	321	**0**	Q	75-125	1		20
Nickel, Total	6.35	41.4	42.7	88		44.0	90		75-125	3		20
Potassium, Total	482	829	1250	93		1200	86		75-125	4		20
Selenium, Total	ND	9.95	10.5	106		10.4	104		75-125	1		20
Silver, Total	ND	4.14	4.22	102		4.24	102		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

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): 03 QC Batch ID: WG2132261-3 WG2132261-4 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
Sodium, Total	ND	829	1020	123		981	118		75-125	4		20
Thallium, Total	ND	9.95	8.96	90		9.11	91		75-125	2		20
Vanadium, Total	5.13	41.4	45.6	98		46.6	100		75-125	2		20
Zinc, Total	29.2	41.4	68.0	94		63.4	82		75-125	7		20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG2132265-3 WG2132265-4 QC Sample: L2566236-03 Client ID: IMPORTSAND-1+2 COMP												
Mercury, Total	ND	1.64	1.34	82		1.34	89		80-120	0		20

INORGANICS
&
MISCELLANEOUS

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40
Lab Number: L2566236
Report Date: 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-01
Client ID: IMPORTSAND-1
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 10/20/25 12:20
Date Received: 10/20/25
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	10/24/25 10:58	121,2540G	ROI

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-02
Client ID: IMPORTSAND-2
Sample Location: Not Specified

Date Collected: 10/20/25 12:20
Date Received: 10/20/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	10/24/25 10:58	121,2540G	ROI

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

SAMPLE RESULTS

Lab ID: L2566236-03
Client ID: IMPORTSAND-1+2 COMP
Sample Location: Not Specified

Date Collected: 10/20/25 12:20
Date Received: 10/20/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	10/24/25 10:58	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: NORTHTOWN - STATION 12

Project Number: 21.0056687.40

Lab Number: L2566236

Report Date: 10/28/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG2132275-1 QC Sample: L2567384-01 Client ID: DUP Sample						
Solids, Total	78.2	76.9	%	2		10

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2566236-01A	Vial Large Septa unpreserved (4oz)	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2566236-01A1	Vial Large Septa unpreserved (4oz)	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2566236-01A2	Vial Large Septa unpreserved (4oz)	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2566236-01B	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-01B1	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-01B2	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-01X	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2566236-01Y	Vial Water preserved split	NA	NA			Y	Absent	**27-OCT-25 13:04**	NYTCL-8260-R2(14)
L2566236-01Z	Vial Water preserved split	NA	NA			Y	Absent	**27-OCT-25 13:04**	NYTCL-8260-R2(14)
L2566236-01Z1	Vial Water preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2566236-02A	Vial Large Septa unpreserved (4oz)	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2566236-02B	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-02X	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2566236-02Y	Vial Water preserved split	NA	NA			Y	Absent	**27-OCT-25 13:04**	NYTCL-8260-R2(14)
L2566236-02Z	Vial Water preserved split	NA	NA			Y	Absent	**27-OCT-25 13:04**	NYTCL-8260-R2(14)
L2566236-03A	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: NORTHTOWN - STATION 12
Project Number: 21.0056687.40

Lab Number: L2566236
Report Date: 10/28/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2566236-03A1	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2566236-03A2	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2566236-03B	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2566236-03B1	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2566236-03B2	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2566236-03C	PLASTIC 90mL UNPRESERVED FOR PF/	NA	NA			Y	Absent		A2-NY-1633(90)
L2566236-03C1	PLASTIC 90mL UNPRESERVED FOR PF/	NA	NA			Y	Absent		A2-NY-1633(90)
L2566236-03C2	PLASTIC 90mL UNPRESERVED FOR PF/	NA	NA			Y	Absent		A2-NY-1633(90)
L2566236-03D	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-03D1	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-03D2	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-03D3	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-03D4	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-03D5	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2566236-04A	Plastic 250ml unpreserved	NA	NA			Y	Absent		A2-NY-1633(28)
L2566236-05A	Plastic 250ml unpreserved	NA	NA			Y	Absent		A2-NY-1633(28)

*Values in parentheses indicate holding time in days

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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: NORTHTOWN - STATION 12
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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:	NORTHTOWN - STATION 12	**Lab Number:**	L2566236
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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.

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

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Data Qualifiers

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.)

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REFERENCES

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

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

168 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. EPA Method 1633A, EPA 820-R-24-007, December 2024. For Massachusetts Contingency Plan, WSC-CAM-XA, September 2025.

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, SM4500CL-G, 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.**

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, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, 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
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, 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, LA 245052, 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.

Pace Analytical Services

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
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

NEW YORK CHAIN OF CUSTODY

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Date Rec'd in Lab: 10/23/25

Pace Job #: L2566236

Project Information

Project Name: Northtown - Station 12
Project Location:
Project #: 21.0056687.40
(Use Project name as Project #) ☐
Project Manager: Thomas Bohlen
PACE Quote #:

Turn-Around Time

Standard ☐
Rush (only if pre approved) ☒
Due Date:
# of Days: 5 day

Client Information

Client: GZA
Address: 300 Pearl St, Suite 700
Buffalo NY 14203
Phone: 716 503 5717
Fax:
Email: thomas.bohlen@gza.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 Pace ☐

Other project specific requirements/comments: Send report to Thomas.bohlen@gza.com and Morgan.brown@gza.com

Please specify Metals or TAL.

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

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC 8260	TCL SVOC 8270	TCL Pest 8081	TCL PCB 8082	Total Metals 6010 7471	PFAA 1633	TS SM 2540	Sample Specific Comments
66236-01	IMPORTSAND-1	10/20/25	12:25	S	MB	X						X	
-02	IMPORTSAND-2					X						X	
-03	IMPORTSAND-1+2 comp						X	X	X	X	X	X	
-01	IMPORTSAND-1-MS					X						X	Run MS/MSD
-01	IMPORTSAND-1-MSD					X						X	Run MS/MSD
-03	IMPORTSAND-1+2comp-MS						X	X	X	X	X	X	Run MS/MSD
-03	IMPORTSAND-1+2comp-MSD						X	X	X	X	X	X	Run MS/MSD
-04	TRIP BLANK										X		
-05	EQUIPMENT BLANK										X		

Container Type:
Preservative:

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/20/25 1405	Charles @ Pace	10-20-25 1405
Charles @ Pace	10-20-25 1409	Buffalo S/C	10-20-25 1409
[signature]	10/21 0130	[signature]	10/20 2200
			10/21/25-0130
[signature]	10/23/25	Pace @ PAS	10/23/25 1500
Pace @ PAS	10/23/25 1613	[signature]	10/23/25 16:13

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 PACE'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 29-Jan-2025)

Sample Delivery Group Summary

Pace Job Number : L2566236
Received : 20-OCT-2025
Reviewer : Sharon Hoffman

Account Name : GZA GeoEnvironmental of New York
Project Number : 21.0056687.40
Project Name : NORTHTOWN - STATION 12

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.4	
B	Absent/	Ice	2.1	

Condition Information

1) All samples on COC received? **YES**

2) Extra samples received? **NO**

3) Are there any sample container discrepancies? **YES**
L2566236-01A (NYTCL-8260-R2) was received in inappropriate container.
L2566236-01A1 (NYTCL-8260-R2) was received in inappropriate container.
L2566236-01A2 (NYTCL-8260-R2) was received in inappropriate container.
L2566236-02A (NYTCL-8260-R2) was received in inappropriate container.

4) Are there any discrepancies between COC & sample labels? **NO**

5) Are samples in appropriate containers for requested analysis? **NO**
Please refer to information noted in Question 3 above.

6) Are samples properly preserved for requested analysis? **YES**

7) Are samples within holding time for requested analysis? **YES**

8) All sampling equipment returned? **NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client? **NO**