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December 12, 2025

Mr Benjamin McPherson
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
700 Delaware Ave.
Buffalo, New York 14209

Re: Drum Investigation Report -1641 River Street, Olean, New York (the Site)

Dear Mr. McPherson:

On behalf of our client, 1641 River Street LLC (1641 River Street), PTM Engineering, PLLC (PTM) has prepared this Drum Investigation Report summarizing the field activities and findings for the investigation performed on November 13, 2025 at the above-referenced Site.

BACKGROUND

The New York State Department of Environmental Conservation (NYSDEC) previously notified 1641 River Street LLC that they had information concerning a single drum that reportedly was buried on the Site containing chlorinated solvent material (carbon tetrachloride). It is our understanding that after meeting with the person who alleged to have buried this drum (reportedly over 15 years ago), 1641 River Street commissioned a ground penetrating radar (GPR) investigation in July 2025, the results of which were shared with the NYSDEC. This geophysics investigation identified a possible metallic drum signal in the general vicinity of the alleged burial location, in addition to suspected concrete signatures.

Based on discussions between representatives of 1641 River Street and the NYSDEC, it was agreed that a limited scope investigation would be conducted to assess the potential presence of the alleged single drum and/or any identified impacts from chlorinated solvent impacts. On October 27, 2025, PTM Engineering submitted a work plan to the NYSDEC for the proposed investigation of the suspected drum disposal area (the Work Plan). Following one round of NYSDEC comments, the Work Plan was revised and resubmitted on October 29, 2025, and approved for implementation by the NYSDEC on October 30, 2025.

1.0 INVESTIGATION ACTIVITIES PERFORMED

On November 13, 2025, crews from Trec Environmental Inc. (Trec) and Benson Construction and Development (Benson) were mobilized to implement the investigation activities proposed in the approved Work Plan, at the oversight and direction of PTM. Mr. Benjamin McPherson was present on-site for the investigation work on behalf of the NYSDEC.

Specifically, two deep test pits and one temporary groundwater monitoring well were planned to determine if impacts from the alleged drum disposal were present in the site soils or groundwater proximate to the suspected disposal area. The scope of work of the work completed is discussed below, and the final investigation and sample locations are shown on Figure 1.

1.1 Test Pits

Three (3) test pits (TP) were excavated by Benson in the area of the suspected drum location, as shown on Figure 1. The target excavation depth was between 10 to 15 feet below grade surface (bgs) based on information obtained from the former employee who allegedly buried the drum with a wheeled backhoe. Each test pit was excavated with a Komatsu PC 138 tracked excavator using a four-foot-wide bucket.

The first test pit location, TP-1, was located approximately 11 feet southwest of the previously staked anomaly location (from July 2025 geophysical investigation) where the temporary groundwater monitoring well (PZ-1) was installed. This spacing was discussed with the NYSDEC representative to minimize potential disturbance of the screened soil interval in the immediate vicinity of the temporary groundwater well. TP-1 was carefully advanced in roughly 6-inch deep increments to minimize the potential for damage if the drum was encountered; allow for thorough visual observation of the excavated soil/fill materials; and, allow for screening or sampling of the soils with a photoionization detector (PID) from a bucket of material obtained at each 2-foot depth interval. Final dimensions of TP-1 were approximately 20 feet long by 4 feet wide by 12 feet deep.

The following observations and data were obtained from the TP-1 excavation:

- Native soil mixed with a significant amount of fill materials (brick, vitreous clay pipe, concrete, and some small quantities of scrap steel) was observed from a depth of approximately 0-5 feet bgs. Native soils were observed from approximately 5 feet to 12 feet bgs, with these soils comprising primarily silty gravels, with small amounts of clay. The final 2 ft of silty gravel at the bottom of the test pit exhibited visual and olfactory impacts from petroleum. A distinct color change (light gray discoloration) was noted at this depth.
- PID readings from 2 feet to 10 feet bgs ranged from 0.4 to 0.8 ppm, and there were no volatile organic or petroleum odors noted from these strata. A PID reading of 22.1 ppm was recorded from what appeared to be 2 feet of petroleum impacted soils that were removed from the bottom of the test pit, approximately 10 to 12 feet bgs, and a soil sample was collected from this depth, as it was identified based on visual/olfactory and PID readings as the most impacted location in TP-1.
- No evidence of a drum or grossly contaminated material (GCM) was observed in the test pit.
- The final depth of TP-1 was approximately 12 feet bgs. Soil/fill removed from TP-1 was returned to the excavation in the general order that it was excavated/removed.
- A test pit log and photo log documenting the excavation of TP-1 is presented in Attachment 1 and Attachment 2, respectively.

After review of the anomalies detected during the geophysical investigation and discussion with the NYSDEC representative, TP-2, was located approximately 15 feet southwest of west edge of TP-1. This placed it approximately 26 feet southwest of the temporary groundwater monitoring well installation. TP-2 was excavated in the same manner as TP-1 to minimize the potential for damage if the drum was encountered; allow for thorough visual observation of the excavated soil/fill materials; and allow for screening or sampling

of the soils with a PID from a bucket of material obtained at each 2-foot depth interval. Final dimensions of TP-2 were approximately 15 feet long by 4 feet wide by 6 feet deep.

The following observations and data were recorded during the TP-2 excavation:

- Native soil mixed with very small quantities of fill materials (brick, vitreous clay pipe, crushed stone, and scrap steel) was observed from a depth of approximately 0-2.5 feet bgs. Native soils were encountered from approximately 2.5 feet to 6.5 feet bgs, with no observable visual or olfactory impacts at any depth. PID readings from 0 feet to 6.5 feet bgs ranged from 0.2 to 1.0 ppm.
- No evidence of a drum or GCM was observed in the test pit.
- Since little evidence of fill/disturbed soils were observed and no impacts were observed at any depth, it was agreed to terminate TP-2 at 6.5 feet bgs, with no sample collected. Soil/fill removed from TP-2 was returned to the excavation in the general order that it was excavated/removed.
- A test pit log and photo log documenting the excavation of TP-2 is presented in Attachment 1 and Attachment 2, respectively.

Based on the observations made at the TP-2 location, it was agreed with the NYSDEC representative, to perform one additional test pit to the east/northeast of the PZ-1 temporary monitoring well location in a final effort to locate the drum in the area of the geophysical anomalies. TP-3 was located approximately 10 feet northeast of the previously staked anomaly location where PZ-1 was installed. Similar to TP-1, this distance was confirmed with the NYSDEC representative as representing a reasonable approach to minimize potential disturbance of the screened soil interval and groundwater flow in the immediate vicinity of PZ-1. TP-3 was excavated in the same fashion as TP-1 and TP-2. The lithology of TP-3 closely matched that of TP-1 at each depth, with the observation of a thicker layer of crushed stone fill at a depth of 2.5 to 3 feet bgs. Final dimensions of TP-3 were (approximately), 15 feet long by 4 feet wide by 9.5 feet deep.

The following observations and data were obtained from the TP-3 excavation:

- Native soil mixed with a significant amount of fill materials (brick, concrete, and some small quantities of scrap steel) was observed from a depth of approximately 0-4.5 feet bgs. Native soils (primarily silty gravel with small amounts of clay) were encountered from approximately 4.5 feet to 9.5 feet bgs. The final 1 ft of silty gravel at the bottom of the test pit exhibited weathered petroleum impacts (both odor and light gray discoloration).
- Since the profile of TP-3 soils and fill closely matched that of TP-1, and there were no visual or olfactory impacts observed, PID readings were not obtained from 0 to 8.5 feet bgs. A PID reading of 0.9 ppm was obtained from the final 1 foot of petroleum impacted soils removed from the bottom of the test pit, at a depth of approximately 8.5 to 9.5 feet bgs. A soil sample was collected from this depth as it was identified based on visual/olfactory as the most impacted location in TP-3.
- No evidence of a drum or GCM was observed in the test pit.
- The final depth of TP-2 was approximately 9.5 feet bgs. Soil/fill removed from TP-3 was returned to the excavation in the general order that it was excavated/removed.
- A test pit log and photo log documenting the excavation of TP-3 is presented in Attachment 1 and Attachment 2, respectively.

The soil samples collected from TP-1 and TP-3 were submitted to the laboratory for analysis for Target Compound List (TCL) volatile organic compounds (VOCs). The results of these analyses are discussed in the Investigation Results section of this letter report.

1.2 Piezometer Installation

PZ-1 was installed in the location as shown on Figure 1, which was within 2 feet of the staked anomaly identified as the potential drum location during the July 2025 geophysical investigation. The PZ was installed in a 1.25" borehole drilled via direct push (Geoprobe®) equipment and constructed with 1-inch diameter Schedule (SCH) 40 PVC, with a 5-foot flush joint SCH 40 PVC 0.010-inch machine-slotted well screen. The depth of the PZ-1 was set to a depth of 16 feet bgs where groundwater was encountered by the driller. The well screen and attached riser was placed at the bottom of borehole and a silica sand filter pack (size #0) was installed from the base of the well to a maximum of two feet above the top of the screen. The remainder of the borehole and riser annulus was filled with bentonite chips to existing grade.

After completion of the test pits and approximately 3 hours after PZ-1 installation, the water level in the piezometer was recorded at 15.6 feet bgs or equivalent to approximately 0.016 gallons of well volume based on the 1-inch OD of the well riser. The PZ was then purged of approximately 10 well volumes (0.17 gallons) due to the initially high turbidity and presence of floating light non-aqueous phase liquid (LNAPL). Following the well development purging and observation that the turbidity had significantly decreased, PZ-1 was sampled using a dedicated polyethylene disposable bailer. The bailer was attached to a length of dedicated hollow-braid polypropylene rope and lowered into the well slowly so as not to agitate the groundwater or damage the well. The groundwater sample was submitted to the laboratory for analysis for TCL VOCs in accordance with USEPA SW 846 methodology. Purge water was collected in a 5-gallon bucket and inspected for both visual (i.e., NAPL) and olfactory impacts. The collected volume of approximately 0.17 gallons was discharged to grade in the vicinity of PZ-1, in the footprint of the TP-1 excavation.

A log illustration including the piezometer completion details is provided in Attachment 2. Based on the results of the sampling, PZ-1 will be removed, and the borehole will be grouted with bentonite slurry to grade surface when weather permits.

2.0 ANALYTICAL RESULTS

2.1 TP-1 and TP-3 Test Pit Samples

Soil samples were collected from TP-1 (TP-1-12') at a depth of approximately 12 feet bgs and from TP-3 (TP-3-9.5') at a depth of approximately 9.5 feet bgs where petroleum impacts in each test pit were observed. Both samples were analyzed for TCL VOCs in accordance with EPA SW846 Method 8260C. A copy of the laboratory report is provided in Attachment 3.

Detection limits were significantly elevated in the TP-1 sample, and this is deemed to be attributed to interferences from the presence of observed weathered petroleum constituents at the sample depth, which compromises the sensitivity of the analysis. No detections of VOCs were reported in the TP-1-12' sample.

Two VOCs, chloroform and methylene chloride, were detected at estimated values of 0.84 and 5.3 ug/kg (ppb) in the TP-3-9.5' sample. These detections were below the applicable industrial, ecological or protection of groundwater 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs).

2.2 PZ-1 Groundwater Sample

One groundwater sample was collected from PZ-1 and analyzed for TCL VOCs in accordance with EPA SW846 Method 8260C. No detections of VOCs were reported in the groundwater sample.

3.0 CONCLUSION

The drum investigation at the Site did not find any physical evidence of the presence of the alleged drum disposal, nor did it identify any impacts associated with chlorinated solvents having occurred in the area of the reported burial. Furthermore, the absence of carbon tetrachloride or any other chlorinated compounds in both the soil and groundwater samples supports the finding that the disposal of the drum most likely did not occur at the site.

Respectfully Submitted,

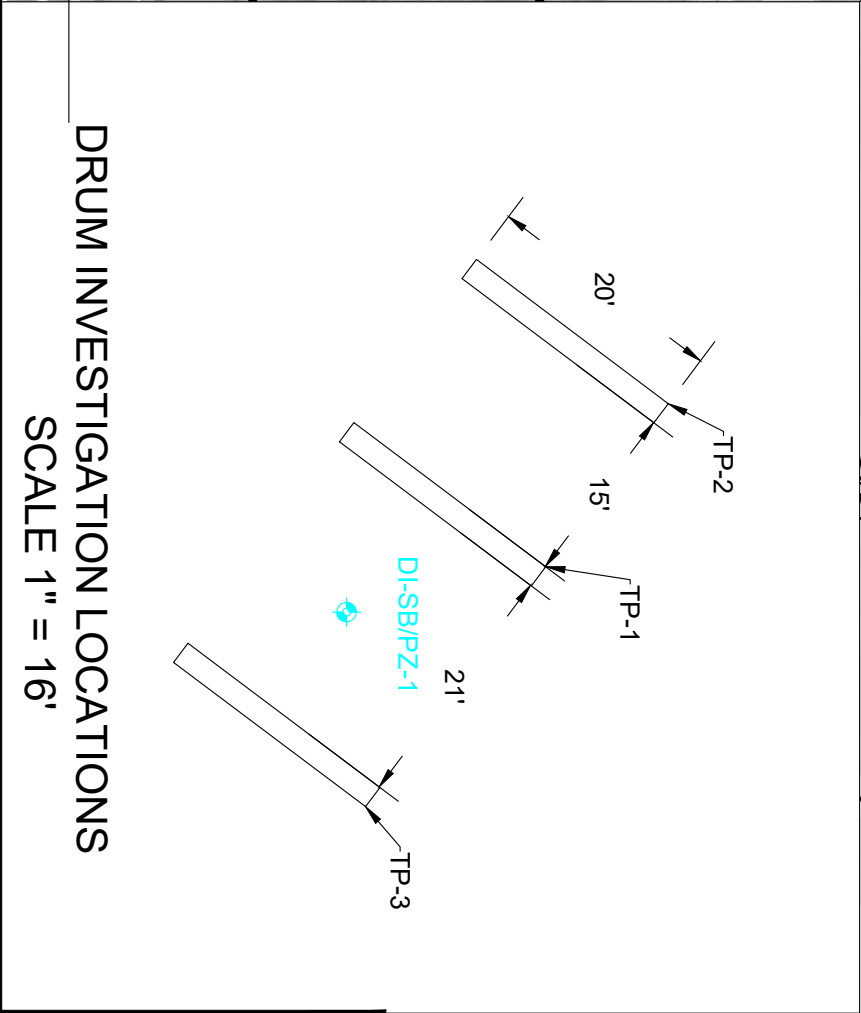
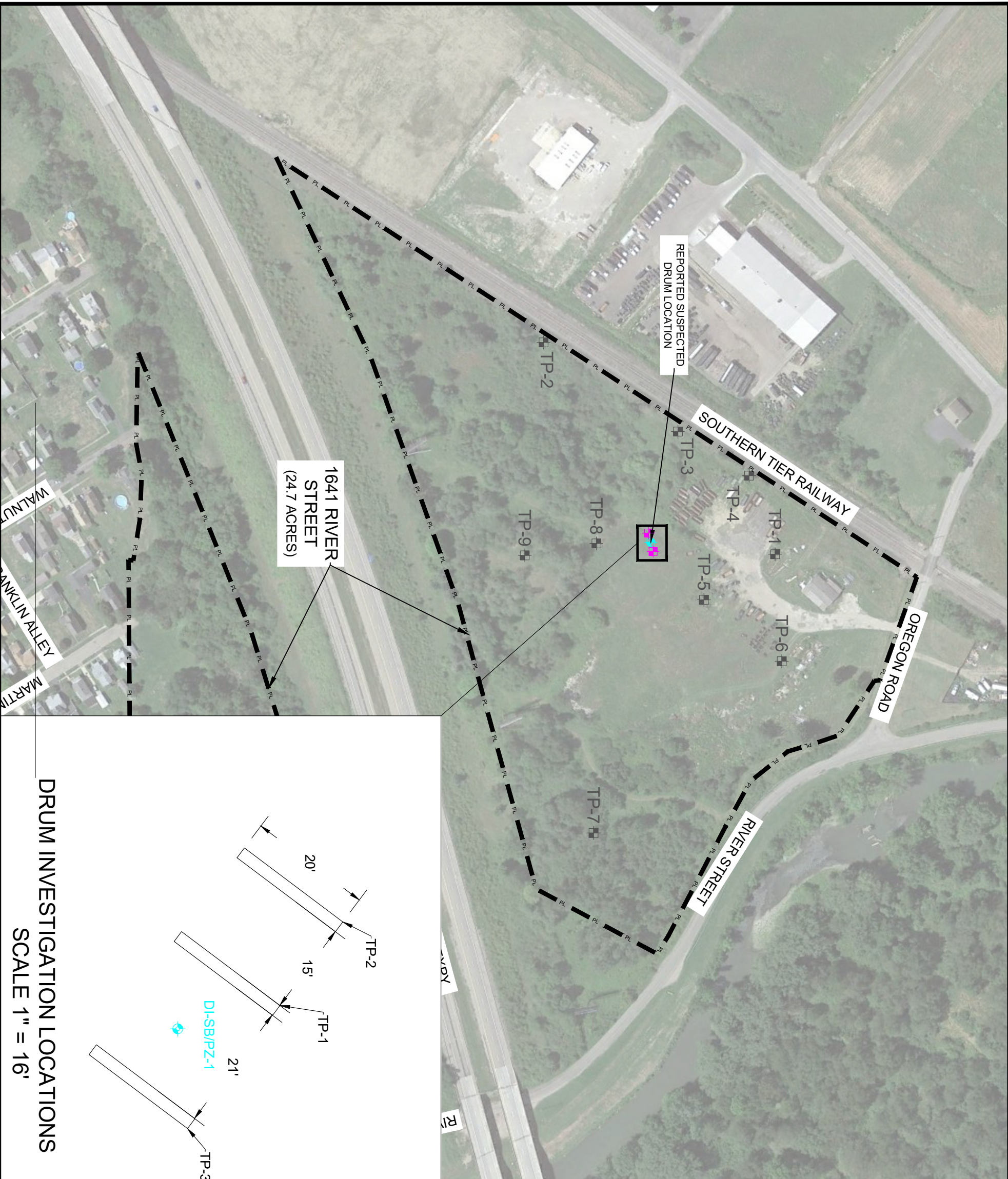
A handwritten signature in black ink, appearing to read "Patrick T. Martin".

Patrick T. Martin, P.E.
Principal
PTM Engineering PLLC

ec: R. Donald Benson (1641 River Street LLC)
Michael J. Hecker, Esq. (Hodgson Russ LLP)

PTM Engineering is licensed to provide professional engineering services in the State of New York under The University of New York State Education Department Certificate Number 0021989 (4/1/24 through 3/31/27)

FIGURE 1



PL

PROPERTY BOUNDARY

TP-1

DECEMBER 2019 TEST PIT LOCATION

TP-1

NOV. 2025 DRUM INVEST. TEST PIT

DI-SB/PZ-1

DRUM INVESTIGATION SOIL BORING/
PIEZOMETER

NOTES:

1. BASE MAP GOOGLE EARTH 2016.

Title:

DRUM INVESTIGATION LOCATIONS

Prepared for:

1641 RIVER STREET LLC

1641 RIVER STREET SITE
OLEAN, NEW YORK

Compiled by:

Date:

December 2025

Prepared by:

Scale:

AS SHOWN

Project Mgr:

Project:

File:

FIGURE 1: INVESTIGATION LOCATIONS.R1.DWG

FIGURE

1

ATTACHMENT 1

Test Pit Logs Piezometer Completion Detail

TEST PIT EXCAVATION LOG

Project: 1641 River Street Drum Investigation

TEST PIT I.D.: TP-1

Project No.:

Excavation Date: 11/13/25

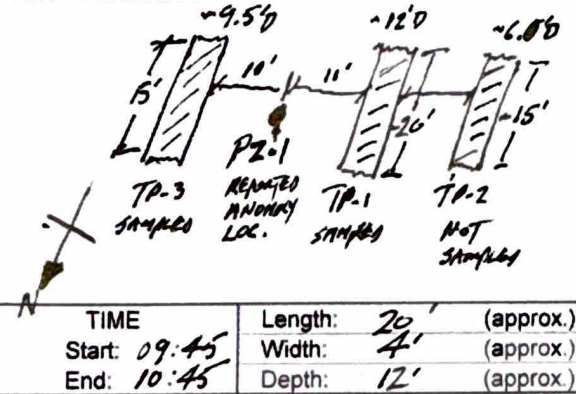
Client: 1641 River Street LLC

Excavation Method: Tracked Excavator

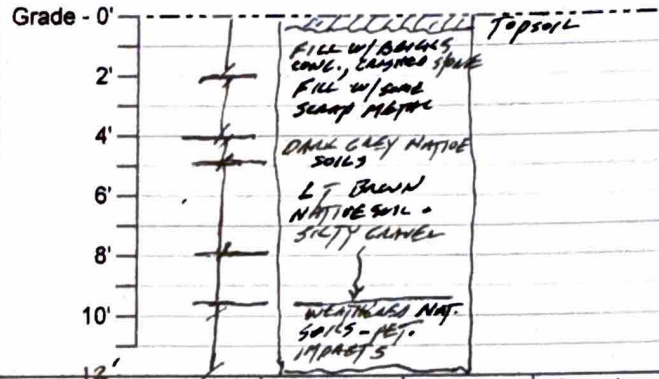
Location: 1641 River Street Site

Logged / Checked By: P. Martin

Test Pit Location: NOT TO SCALE



Test Pit Cross Section:



Depth (fbgs)	USCS Symbol & Soil Description	PID Scan (ppm)	Photos Y/N	Samples Collected (fbgs)
0'-2'	Approx. 4-6" of topsoil, significant quantities of non-native fill below (bricks, clay tile pipe, concrete, etc). NO IMPACTS OBSERVED	0.4	Y	1-
2'-4'	NON-NATIVE FILL DOWN TO 4' BGS, MIXED W/ DARK GREY NATIVE SOILS FROM ~2'-4'. NO IMPACTS OBSERVED	0.5	Y	—
4'-8'	NATIVE SOILS - LT. BROWN FROM ~5' TO 8' BGS SILTY GRAVEL. NO IMPACTS OBSERVED.	0.8	Y	—
8'-12'	WEATHERED NATIVE SOILS IMPACTED BY PETROLEUM, PET. ODOM PRESENT. SOILS WERE LT. GRAY BUT SOME IMPACTED SILTY GRAVEL COMPOSITION AS LT BROWN STRATA ABOVE.	22.1	Y	1 SOIL SAMPLE @ 12'

COMMENTS:

GROUNDWATER ENCOUNTERED:

☐ YES ☒ NO

If yes, depth to GW:

VISUAL IMPACTS:

☒ YES ☐ NO

Describe: AT APPROX 9.5'-12' BGS INTERVAL -

OLFACTORY OBSERVATIONS:

☒ YES ☐ NO

Describe: GRAY WEATHERED SOILS

NON-NATIVE FILL ENCOUNTERED:

☒ YES ☐ NO

OTHER OBSERVATIONS:

☐ YES ☒ NO

Describe:

SAMPLES COLLECTED:

SOIL GRAB FROM EXC. BUCKET
ANALYSIS: TCL VOLATILES

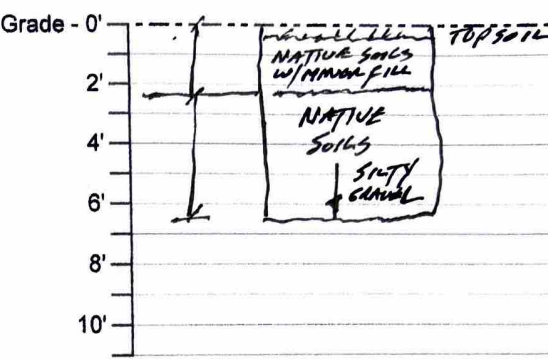
Sample I.D.: TP-1-12'

Sample I.D.:

Sample I.D.:

TEST PIT EXCAVATION LOG

Project:	1641 River Street Drum Investigation	TEST PIT I.D.:	TP-2
Project No.:		Excavation Date:	11/13/25
Client:	1641 River Street LLC	Excavation Method:	Tracked Excavator
Location:	1641 River Street Site	Logged / Checked By:	P. Martin

Test Pit Location: NOT TO SCALE <div style="text-align: center; font-size: 1.2em;">(SEE TP-1 SKETCH)</div>		Test Pit Cross Section: 		
TIME Start: 11:15 End: 12:00 PM	Length: 15' (approx.) Width: 4' (approx.) Depth: 6.5' (approx.)			
Depth (fbgs)	USCS Symbol & Soil Description	PID Scan (ppm)	Photos Y/N	Samples Collected (fbgs)
0'-2'	TOP SOIL @ SURFACE, MINIMAL AMOUNT OF FILL MIXED w/ NATIVE SOILS. NO IMPACTS OBSERVED	0.2	Y	—
2'-6.5'	NATIVE SOILS, LT. BROWN SILTY GRAVEL, NO DISTURBANCE OBSERVED. TP TERMINATED ON IMPACTS	0.5	Y	—
6.5'	TP STOPPED HERE, BACKFILLED			

COMMENTS:			
GROUNDWATER ENCOUNTERED:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, depth to GW:	
VISUAL IMPACTS:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Describe:	
OLFACTORY OBSERVATIONS:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Describe:	
NON-NATIVE FILL ENCOUNTERED:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	MINIMAL NEAR SURFACE	
OTHER OBSERVATIONS:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Describe:	
SAMPLES COLLECTED:		Sample I.D.:	
		Sample I.D.:	
		Sample I.D.:	

TEST PIT EXCAVATION LOG

Project: 1641 River Street Drum Investigation

TEST PIT I.D.: **TP-3**

Project No.:

Excavation Date:

11/13/25

Client: 1641 River Street LLC

Excavation Method:

Tracked Excavator

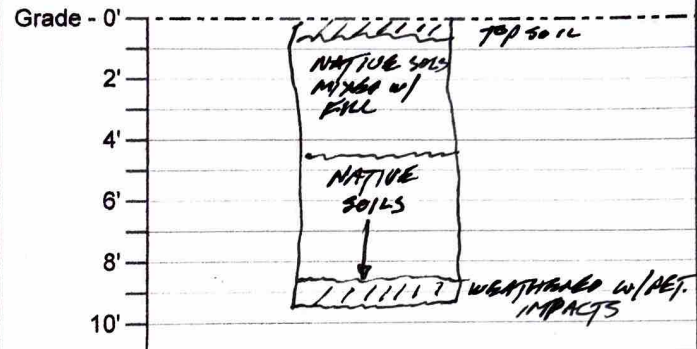
Location: 1641 River Street Site

Logged / Checked By:

P. Martin

Test Pit Location: NOT TO SCALE

Test Pit Cross Section:



(SEE TP-1 SKETCH)

TIME	Length: 15	(approx.)
Start: 12:15 PM	Width: 4	(approx.)
End: 1:00 PM	Depth: 9.5	(approx.)

Depth (fbgs)	USCS Symbol & Soil Description	PID Scan (ppm)	Photos Y/N	Samples Collected (fbgs)
0'-4.5'	NATIVE SOILS APPROX. 4-6" OF TOP SOIL, MIXED w/ SIGNIFICANT QUANTITIES OF FILL (PRIMARILY BRICK, CONCR., CRUSHED STONE). NO IMPACTS OBSERVED	0.2 0.2-0.4	Y	
4.5'-9.5'	NATIVE SOILS DOWN TO 9.5' BGS, WEATHERED w/ PETROLEUM IMPACTS @ 8.5'-9.5'. NATIVE SOILS WERE PRIMARILY SILTY GRAVEL (LT. BROWN)	11.0	N	1 SOIL SAMPLED 9.5'

COMMENTS:

GROUNDWATER ENCOUNTERED:

☐ YES ☒ NO

If yes, depth to GW:

VISUAL IMPACTS:

☒ YES ☐ NO

Describe: PET. WEATHERED @ 8.5'-9.5' BGS

OLFACTORY OBSERVATIONS:

☒ YES ☐ NO

Describe: PET. ODOOR @ 8.5'-9.5' BGS

NON-NATIVE FILL ENCOUNTERED:

☒ YES ☐ NO

OTHER OBSERVATIONS:

☐ YES ☒ NO

Describe:

SAMPLES COLLECTED:

Sample I.D.:

TP-3-9.5'

Sample I.D.:

Sample I.D.:

FLUSHMOUNT PIEZOMETER COMPLETION DETAIL

Project Name: 1641 RIVER STREET DAM INVESTIGATION

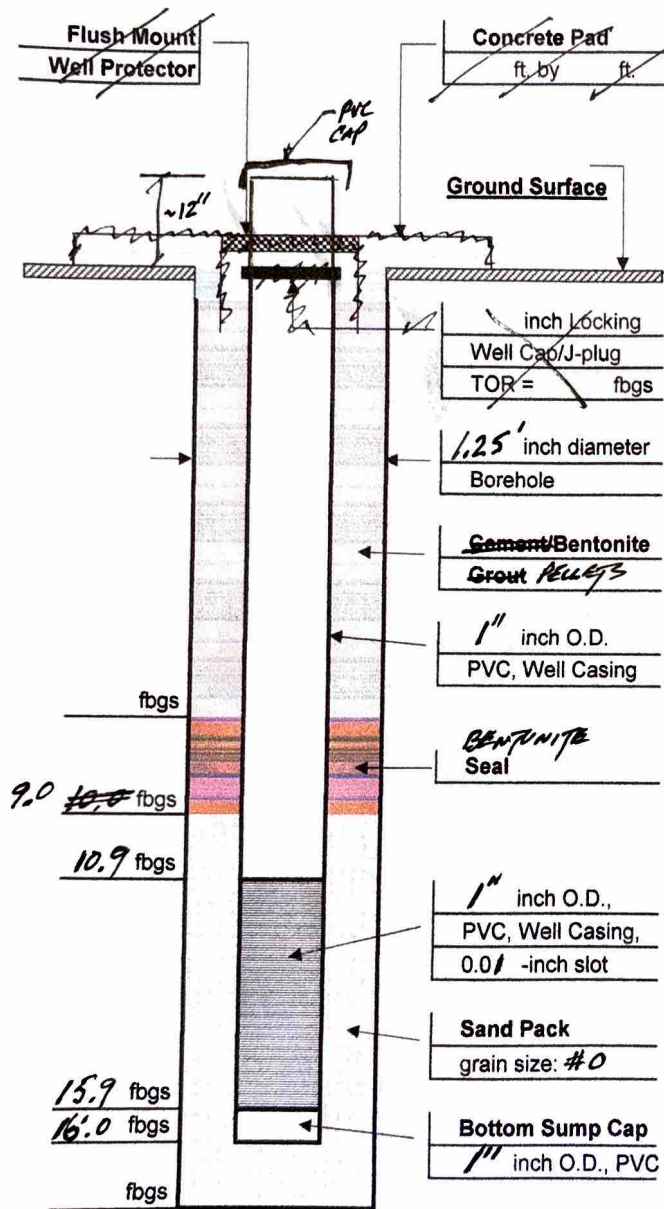
Client: 1641 RIVER STREET LLC

Boring Location: 1641 RIVER STREET @ PREVIOUSLY LOCATED ANOMALY

WELL NUMBER: P2-1

Date Installed: 11/13/25

Project Number:



Driller Information

Company: TREC ENVIRONMENTAL

Driller:

Helper:

Permit Number:

Drill Rig Type: GEOPROBE

Well Information

Land Surface Elevation: fmsl (approximate)

Drilling Method: DIRECT PUSH

Soil Sample Collection Method: N/A

Drilling Fluid: N/A

Fluid Loss During Drilling: N/A gallons (approximate)

Material of Well Construction

Casing: PVC

Screen: PVC

Sump: PVC

Sand Pack:

Annular Seal:

Well Development

Well Purpose: MONITORING

Technique(s): BAILER

Date Completed: 11/13/25

Personnel: PTM

Total Volume Purge: ~0.16 gallons

Static Water Level (SWL): 15.6' fbTOR

Pump Depth: N/A

Purge Duration: N/A minutes

Yield: gpm

Specific Capacity: gpm/ft

Comments:

PREPARED BY:

DATE:

ATTACHMENT 2

Photo Log

Attachment 2
1641 River Street Drum Investigation- Photo Log



TP-1: 0'-2' BGS



TP-1: 0'-4' BGS



TP-1: 0'-8' BGS



TP-1: 0'-12' BGS (at final depth)



TP-2: 0'-2' BGS



TP-2: 0'-4' BGS

Attachment 2
1641 River Street Drum Investigation- Photo Log



TP-2: 0'-6.5' BGS (at final depth)



TP-3: 0'-2' BGS (looking southwest)



TP-3: 0' -4' BGS



PZ-1 Geoprobe Installation (located between TP-1 and TP-3)



PZ-1 Geoprobe Installation



Geoprobe cores:
Upper 0'-4' recovery
Lower: 4'-8' Recovery

Attachment 2
1641 River Street Drum Investigation- Photo Log



Geoprobe cores:
Left 8'-12' recovery
Right: 12'-16' Recovery

ATTACHMENT 3

Eurofins Laboratory Analytical Report

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Rick Dubisz
Roux Environmental Engineering and Geology DPC
2558 Hamburg Turnpike
Suite 300
Lackawanna, New York 14218

Generated 11/20/2025 12:58:16 PM

JOB DESCRIPTION

1641 River St.

JOB NUMBER

480-234539-1

Eurofins Buffalo

Job Notes

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Definitions/Glossary

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A- L low-level specifications.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Roux Environmental Engineering and Geology DPC
Project: 1641 River St.

Job ID: 480-234539-1

Job ID: 480-234539-1

Eurofins Buffalo

Job Narrative 480-234539-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/14/2025 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 13.6°C.

GC/MS VOA

Method 8260C: The following sample was diluted due to the nature of the sample matrix: PZ-1 (480-234539-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 762949 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is: PZ-1 (480-234539-3).

Method 8260C: The continuing calibration verification (CCV) associated with batch 762899 recovered above the upper control limit for 2-Hexanone. The sample associated with this CCV was non-detects for the affected analytes; therefore, the data have been reported. The associated sample is: TP-1-12' (480-234539-1).

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted due to the nature of the sample matrix: TP-1-12' (480-234539-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Buffalo

Detection Summary

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Client Sample ID: TP-1-12'

Lab Sample ID: 480-234539-1

No Detections.

Client Sample ID: TP-3-9.5'

Lab Sample ID: 480-234539-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.84	J B vs	5.5	0.34	ug/Kg	1	✧	EPA 8260C	Total/NA
Methylene Chloride	5.3	J vs	5.5	2.5	ug/Kg	1	✧	EPA 8260C	Total/NA

Client Sample ID: PZ-1

Lab Sample ID: 480-234539-3

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Client Sample ID: TP-1-12'

Lab Sample ID: 480-234539-1

Date Collected: 11/13/25 11:00

Matrix: Solid

Date Received: 11/14/25 13:00

Percent Solids: 84.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2500	U	2500	700	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,1,2,2-Tetrachloroethane	2500	U	2500	410	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	U	2500	1300	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,1,2-Trichloroethane	2500	U	2500	530	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,1-Dichloroethane	2500	U	2500	780	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,1-Dichloroethene	2500	U	2500	880	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,2,4-Trichlorobenzene	2500	U	2500	960	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,2-Dibromo-3-Chloropropane	2500	U	2500	1300	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,2-Dibromoethane	2500	U	2500	440	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,2-Dichlorobenzene	2500	U	2500	640	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,2-Dichloroethane	2500	U	2500	1000	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,2-Dichloropropane	2500	U	2500	410	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,3-Dichlorobenzene	2500	U	2500	680	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
1,4-Dichlorobenzene	2500	U	2500	350	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
2-Butanone (MEK)	13000	U	13000	7500	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
2-Hexanone	13000	U	13000	5200	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
4-Methyl-2-pentanone (MIBK)	13000	U	13000	810	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Acetone	13000	U	13000	10000	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Benzene	2500	U	2500	480	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Bromodichloromethane	2500	U	2500	510	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Bromoform	2500	U	2500	1300	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Bromomethane	2500	U	2500	560	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Carbon disulfide	2500	U	2500	1200	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Carbon tetrachloride	2500	U	2500	640	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Chlorobenzene	2500	U	2500	330	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Chloroethane	2500	U	2500	530	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Chloroform	2500	U	2500	1700	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Chloromethane	2500	U	2500	600	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
cis-1,2-Dichloroethene	2500	U	2500	700	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
cis-1,3-Dichloropropene	2500	U	2500	600	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Cyclohexane	2500	U	2500	560	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Dibromochloromethane	2500	U	2500	1200	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Dichlorodifluoromethane	2500	U	2500	1100	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Ethylbenzene	2500	U	2500	740	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Isopropylbenzene	2500	U	2500	380	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Methyl acetate	13000	U	13000	1200	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Methyl tert-butyl ether	2500	U	2500	960	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Methylcyclohexane	2500	U	2500	1200	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Methylene Chloride	2500	U	2500	500	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Styrene	2500	U	2500	610	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Tetrachloroethene	2500	U	2500	340	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Toluene	2500	U	2500	680	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
trans-1,2-Dichloroethene	2500	U	2500	600	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
trans-1,3-Dichloropropene	2500	U	2500	250	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Trichloroethene	2500	U	2500	700	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Trichlorofluoromethane	2500	U	2500	1200	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Vinyl chloride	2500	U	2500	850	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20
Xylenes, Total	5100	U	5100	1400	ug/Kg	✱	11/19/25 09:28	11/19/25 15:49	20

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Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Client Sample ID: TP-1-12'

Lab Sample ID: 480-234539-1

Date Collected: 11/13/25 11:00

Matrix: Solid

Date Received: 11/14/25 13:00

Percent Solids: 84.6

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	11/19/25 09:28	11/19/25 15:49	20
4-Bromofluorobenzene (Surr)	95		49 - 148	11/19/25 09:28	11/19/25 15:49	20
Dibromofluoromethane (Surr)	93		60 - 140	11/19/25 09:28	11/19/25 15:49	20
Toluene-d8 (Surr)	102		50 - 149	11/19/25 09:28	11/19/25 15:49	20

Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Client Sample ID: TP-3-9.5'

Lab Sample ID: 480-234539-2

Date Collected: 11/13/25 12:40

Matrix: Solid

Date Received: 11/14/25 13:00

Percent Solids: 88.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.5	U vs	5.5	0.40	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,1,2,2-Tetrachloroethane	5.5	U vs	5.5	0.89	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U vs	5.5	1.3	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,1,2-Trichloroethane	5.5	U vs	5.5	0.72	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,1-Dichloroethane	5.5	U vs	5.5	0.67	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,1-Dichloroethene	5.5	U vs	5.5	0.68	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,2,4-Trichlorobenzene	5.5	U vs	5.5	0.34	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,2-Dibromo-3-Chloropropane	5.5	U vs	5.5	2.8	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,2-Dibromoethane	5.5	U vs	5.5	0.71	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,2-Dichlorobenzene	5.5	U vs	5.5	0.43	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,2-Dichloroethane	5.5	U vs	5.5	0.28	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,2-Dichloropropane	5.5	U vs	5.5	2.8	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,3-Dichlorobenzene	5.5	U vs	5.5	0.28	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
1,4-Dichlorobenzene	5.5	U vs	5.5	0.77	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
2-Butanone (MEK)	28	U vs	28	2.0	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
2-Hexanone	28	U vs	28	2.8	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
4-Methyl-2-pentanone (MIBK)	28	U vs	28	1.8	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Acetone	28	U vs	28	4.6	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Benzene	5.5	U vs	5.5	0.27	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Bromodichloromethane	5.5	U vs	5.5	0.74	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Bromoform	5.5	U vs	5.5	2.8	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Bromomethane	5.5	U vs	5.5	0.50	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Carbon disulfide	5.5	U vs	5.5	2.8	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Carbon tetrachloride	5.5	U vs	5.5	0.53	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Chlorobenzene	5.5	U vs	5.5	0.73	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Chloroethane	5.5	U vs	5.5	1.2	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Chloroform	0.84	J B vs	5.5	0.34	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Chloromethane	5.5	U vs	5.5	0.33	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
cis-1,2-Dichloroethene	5.5	U vs	5.5	0.71	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
cis-1,3-Dichloropropene	5.5	U vs	5.5	0.79	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Cyclohexane	5.5	U vs	5.5	0.77	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Dibromochloromethane	5.5	U vs	5.5	0.71	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Dichlorodifluoromethane	5.5	U vs	5.5	0.46	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Ethylbenzene	5.5	U vs	5.5	0.38	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Isopropylbenzene	5.5	U vs	5.5	0.83	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Methyl acetate	28	U vs	28	3.3	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Methyl tert-butyl ether	5.5	U vs	5.5	0.54	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Methylcyclohexane	5.5	U vs	5.5	0.84	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Methylene Chloride	5.3	J vs	5.5	2.5	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Styrene	5.5	U vs	5.5	0.28	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Tetrachloroethene	5.5	U vs	5.5	0.74	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Toluene	5.5	U vs	5.5	0.42	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
trans-1,2-Dichloroethene	5.5	U vs	5.5	0.57	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
trans-1,3-Dichloropropene	5.5	U vs	5.5	2.4	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Trichloroethene	5.5	U vs	5.5	1.2	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Trichlorofluoromethane	5.5	U vs	5.5	0.52	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Vinyl chloride	5.5	U vs	5.5	0.67	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1
Xylenes, Total	11	U vs	11	0.93	ug/Kg	✱	11/18/25 18:32	11/18/25 23:52	1

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Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Client Sample ID: TP-3-9.5'

Lab Sample ID: 480-234539-2

Date Collected: 11/13/25 12:40

Matrix: Solid

Date Received: 11/14/25 13:00

Percent Solids: 88.3

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	84		64 - 126	11/18/25 18:32	11/18/25 23:52	1
4-Bromofluorobenzene (Surr)	98		72 - 126	11/18/25 18:32	11/18/25 23:52	1
Dibromofluoromethane (Surr)	88		60 - 140	11/18/25 18:32	11/18/25 23:52	1
Toluene-d8 (Surr)	73		71 - 125	11/18/25 18:32	11/18/25 23:52	1

Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Client Sample ID: PZ-1

Lab Sample ID: 480-234539-3

Date Collected: 11/13/25 14:45

Matrix: Water

Date Received: 11/14/25 13:00

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	82	ug/L			11/20/25 02:12	100
1,1,1,2-Tetrachloroethane	100	U	100	21	ug/L			11/20/25 02:12	100
1,1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	31	ug/L			11/20/25 02:12	100
1,1,2-Trichloroethane	100	U	100	23	ug/L			11/20/25 02:12	100
1,1-Dichloroethane	100	U	100	38	ug/L			11/20/25 02:12	100
1,1-Dichloroethene	100	U	100	29	ug/L			11/20/25 02:12	100
1,2,4-Trichlorobenzene	100	U	100	41	ug/L			11/20/25 02:12	100
1,2-Dibromo-3-Chloropropane	100	U	100	39	ug/L			11/20/25 02:12	100
1,2-Dibromoethane	100	U	100	73	ug/L			11/20/25 02:12	100
1,2-Dichlorobenzene	100	U	100	79	ug/L			11/20/25 02:12	100
1,2-Dichloroethane	100	U	100	21	ug/L			11/20/25 02:12	100
1,2-Dichloropropane	100	U	100	72	ug/L			11/20/25 02:12	100
1,3-Dichlorobenzene	100	U	100	78	ug/L			11/20/25 02:12	100
1,4-Dichlorobenzene	100	U	100	84	ug/L			11/20/25 02:12	100
2-Butanone (MEK)	1000	U	1000	130	ug/L			11/20/25 02:12	100
2-Hexanone	500	U	500	120	ug/L			11/20/25 02:12	100
4-Methyl-2-pentanone (MIBK)	500	U	500	210	ug/L			11/20/25 02:12	100
Acetone	1000	U	1000	300	ug/L			11/20/25 02:12	100
Benzene	100	U	100	41	ug/L			11/20/25 02:12	100
Bromodichloromethane	100	U	100	39	ug/L			11/20/25 02:12	100
Bromoform	100	U	100	26	ug/L			11/20/25 02:12	100
Bromomethane	100	U	100	69	ug/L			11/20/25 02:12	100
Carbon disulfide	100	U	100	19	ug/L			11/20/25 02:12	100
Carbon tetrachloride	100	U	100	27	ug/L			11/20/25 02:12	100
Chlorobenzene	100	U	100	75	ug/L			11/20/25 02:12	100
Chloroethane	100	U	100	32	ug/L			11/20/25 02:12	100
Chloroform	100	U	100	34	ug/L			11/20/25 02:12	100
Chloromethane	100	U	100	35	ug/L			11/20/25 02:12	100
cis-1,2-Dichloroethene	100	U	100	81	ug/L			11/20/25 02:12	100
cis-1,3-Dichloropropene	100	U	100	36	ug/L			11/20/25 02:12	100
Cyclohexane	100	U	100	18	ug/L			11/20/25 02:12	100
Dibromochloromethane	100	U	100	32	ug/L			11/20/25 02:12	100
Dichlorodifluoromethane	100	U	100	68	ug/L			11/20/25 02:12	100
Ethylbenzene	100	U	100	74	ug/L			11/20/25 02:12	100
Isopropylbenzene	100	U	100	79	ug/L			11/20/25 02:12	100
Methyl acetate	250	U	250	130	ug/L			11/20/25 02:12	100
Methyl tert-butyl ether	100	U	100	16	ug/L			11/20/25 02:12	100
Methylcyclohexane	100	U	100	16	ug/L			11/20/25 02:12	100
Methylene Chloride	100	U	100	44	ug/L			11/20/25 02:12	100
Styrene	100	U	100	73	ug/L			11/20/25 02:12	100
Tetrachloroethene	100	U	100	36	ug/L			11/20/25 02:12	100
Toluene	100	U	100	51	ug/L			11/20/25 02:12	100
trans-1,2-Dichloroethene	100	U	100	90	ug/L			11/20/25 02:12	100
trans-1,3-Dichloropropene	100	U	100	37	ug/L			11/20/25 02:12	100
Trichloroethene	100	U	100	46	ug/L			11/20/25 02:12	100
Trichlorofluoromethane	100	U	100	88	ug/L			11/20/25 02:12	100
Vinyl chloride	100	U	100	90	ug/L			11/20/25 02:12	100
Xylenes, Total	200	U	200	66	ug/L			11/20/25 02:12	100

Eurofins Buffalo

Client Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Client Sample ID: PZ-1

Lab Sample ID: 480-234539-3

Date Collected: 11/13/25 14:45

Matrix: Water

Date Received: 11/14/25 13:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		11/20/25 02:12	100
4-Bromofluorobenzene (Surr)	89		73 - 120		11/20/25 02:12	100
Dibromofluoromethane (Surr)	99		75 - 123		11/20/25 02:12	100
Toluene-d8 (Surr)	94		80 - 120		11/20/25 02:12	100

Surrogate Summary

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (53-146)	BFB (49-148)	DBFM (60-140)	TOL (50-149)
480-234539-1	TP-1-12'	100	95	93	102
LCS 480-762885/2-A	Lab Control Sample	98	97	98	102
MB 480-762885/1-A	Method Blank	97	89	92	100
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-234539-2	TP-3-9.5'	84	98	88	73
LCS 480-762831/1-A	Lab Control Sample	81	99	89	77
MB 480-762831/2-A	Method Blank	83	100	90	76
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-234539-3	PZ-1	98	89	99	94
LCS 480-762949/6	Lab Control Sample	97	97	97	96
MB 480-762949/8	Method Blank	99	95	99	100
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

QC Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-762831/2-A

Matrix: Solid

Analysis Batch: 762832

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 762831

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
2-Hexanone	25	U	25	2.5	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Acetone	25	U	25	4.2	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Benzene	5.0	U	5.0	0.25	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Chloroform	0.804	J	5.0	0.31	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Methyl acetate	25	U	25	3.0	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Styrene	5.0	U	5.0	0.25	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Toluene	5.0	U	5.0	0.38	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		11/18/25 18:32	11/18/25 22:04	1
Xylenes, Total	10	U	10	0.84	ug/Kg		11/18/25 18:32	11/18/25 22:04	1

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QC Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-762831/2-A

Matrix: Solid

Analysis Batch: 762832

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 762831

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		64 - 126	11/18/25 18:32	11/18/25 22:04	1
4-Bromofluorobenzene (Surr)	100		72 - 126	11/18/25 18:32	11/18/25 22:04	1
Dibromofluoromethane (Surr)	90		60 - 140	11/18/25 18:32	11/18/25 22:04	1
Toluene-d8 (Surr)	76		71 - 125	11/18/25 18:32	11/18/25 22:04	1

Lab Sample ID: LCS 480-762831/1-A

Matrix: Solid

Analysis Batch: 762832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762831

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	48.7		ug/Kg		97	77 - 121
1,1,1,2,2-Tetrachloroethane	50.0	45.8		ug/Kg		92	80 - 120
1,1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.6		ug/Kg		105	60 - 140
1,1,2-Trichloroethane	50.0	46.1		ug/Kg		92	78 - 122
1,1-Dichloroethane	50.0	49.3		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	52.9		ug/Kg		106	59 - 125
1,2,4-Trichlorobenzene	50.0	50.2		ug/Kg		100	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	38.7		ug/Kg		77	63 - 124
1,2-Dibromoethane	50.0	48.8		ug/Kg		98	78 - 120
1,2-Dichlorobenzene	50.0	48.1		ug/Kg		96	75 - 120
1,2-Dichloroethane	50.0	48.2		ug/Kg		96	77 - 122
1,2-Dichloropropane	50.0	51.3		ug/Kg		103	75 - 124
1,3-Dichlorobenzene	50.0	49.3		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	50.0	48.3		ug/Kg		97	73 - 120
2-Butanone (MEK)	250	267		ug/Kg		107	70 - 134
2-Hexanone	250	241		ug/Kg		96	59 - 130
4-Methyl-2-pentanone (MIBK)	250	230		ug/Kg		92	65 - 133
Acetone	250	283		ug/Kg		113	61 - 137
Benzene	50.0	49.8		ug/Kg		100	79 - 127
Bromodichloromethane	50.0	46.5		ug/Kg		93	80 - 122
Bromoform	50.0	46.1		ug/Kg		92	68 - 126
Bromomethane	50.0	52.5		ug/Kg		105	37 - 149
Carbon disulfide	50.0	50.3		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	45.6		ug/Kg		91	75 - 135
Chlorobenzene	50.0	49.8		ug/Kg		100	76 - 124
Chloroethane	50.0	52.6		ug/Kg		105	69 - 135
Chloroform	50.0	47.1		ug/Kg		94	80 - 120
Chloromethane	50.0	49.6		ug/Kg		99	63 - 127
cis-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	50.1		ug/Kg		100	80 - 120
Cyclohexane	50.0	54.0		ug/Kg		108	65 - 120
Dibromochloromethane	50.0	45.9		ug/Kg		92	76 - 125
Dichlorodifluoromethane	50.0	53.4		ug/Kg		107	57 - 142
Ethylbenzene	50.0	49.5		ug/Kg		99	80 - 120
Isopropylbenzene	50.0	49.2		ug/Kg		98	72 - 120
Methyl acetate	100	95.6		ug/Kg		96	55 - 136
Methyl tert-butyl ether	50.0	47.0		ug/Kg		94	63 - 125
Methylcyclohexane	50.0	52.9		ug/Kg		106	60 - 140

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QC Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-762831/1-A

Matrix: Solid

Analysis Batch: 762832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762831

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	50.0	52.6		ug/Kg		105	61 - 127
Styrene	50.0	49.5		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	52.7		ug/Kg		105	74 - 122
Toluene	50.0	50.3		ug/Kg		101	74 - 128
trans-1,2-Dichloroethene	50.0	50.0		ug/Kg		100	78 - 126
trans-1,3-Dichloropropene	50.0	48.0		ug/Kg		96	73 - 123
Trichloroethene	50.0	52.1		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	53.5		ug/Kg		107	65 - 146
Vinyl chloride	50.0	53.6		ug/Kg		107	61 - 133
Xylenes, Total	100	99.8		ug/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		64 - 126
4-Bromofluorobenzene (Surr)	99		72 - 126
Dibromofluoromethane (Surr)	89		60 - 140
Toluene-d8 (Surr)	77		71 - 125

Lab Sample ID: MB 480-762885/1-A

Matrix: Solid

Analysis Batch: 762899

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 762885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	28	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,1,2,2-Tetrachloroethane	100	U	100	16	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	50	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,1,2-Trichloroethane	100	U	100	21	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,1-Dichloroethane	100	U	100	31	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,1-Dichloroethene	100	U	100	35	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,2,4-Trichlorobenzene	100	U	100	38	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,2-Dibromo-3-Chloropropane	100	U	100	50	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,2-Dibromoethane	100	U	100	18	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,2-Dichlorobenzene	100	U	100	26	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,2-Dichloroethane	100	U	100	41	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,2-Dichloropropane	100	U	100	16	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,3-Dichlorobenzene	100	U	100	27	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
1,4-Dichlorobenzene	100	U	100	14	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
2-Butanone (MEK)	500	U	500	300	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
2-Hexanone	500	U	500	210	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
4-Methyl-2-pentanone (MIBK)	500	U	500	32	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Acetone	500	U	500	410	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Benzene	100	U	100	19	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Bromodichloromethane	100	U	100	20	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Bromoform	100	U	100	50	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Bromomethane	100	U	100	22	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Carbon disulfide	100	U	100	46	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Carbon tetrachloride	100	U	100	26	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Chlorobenzene	100	U	100	13	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Chloroethane	100	U	100	21	ug/Kg		11/19/25 09:28	11/19/25 14:05	1

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QC Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-762885/1-A

Matrix: Solid

Analysis Batch: 762899

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 762885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	100	U	100	69	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Chloromethane	100	U	100	24	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
cis-1,2-Dichloroethene	100	U	100	28	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
cis-1,3-Dichloropropene	100	U	100	24	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Cyclohexane	100	U	100	22	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Dibromochloromethane	100	U	100	48	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Dichlorodifluoromethane	100	U	100	44	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Ethylbenzene	100	U	100	29	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Isopropylbenzene	100	U	100	15	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Methyl acetate	500	U	500	48	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Methyl tert-butyl ether	100	U	100	38	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Methylcyclohexane	100	U	100	47	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Methylene Chloride	100	U	100	20	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Styrene	100	U	100	24	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Tetrachloroethene	100	U	100	13	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Toluene	100	U	100	27	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
trans-1,2-Dichloroethene	100	U	100	24	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
trans-1,3-Dichloropropene	100	U	100	9.8	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Trichloroethene	100	U	100	28	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Trichlorofluoromethane	100	U	100	47	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Vinyl chloride	100	U	100	34	ug/Kg		11/19/25 09:28	11/19/25 14:05	1
Xylenes, Total	200	U	200	55	ug/Kg		11/19/25 09:28	11/19/25 14:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		53 - 146	11/19/25 09:28	11/19/25 14:05	1
4-Bromofluorobenzene (Surr)	89		49 - 148	11/19/25 09:28	11/19/25 14:05	1
Dibromofluoromethane (Surr)	92		60 - 140	11/19/25 09:28	11/19/25 14:05	1
Toluene-d8 (Surr)	100		50 - 149	11/19/25 09:28	11/19/25 14:05	1

Lab Sample ID: LCS 480-762885/2-A

Matrix: Solid

Analysis Batch: 762899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2720		ug/Kg		109	68 - 130
1,1,1,2,2-Tetrachloroethane	2500	2700		ug/Kg		108	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2750		ug/Kg		110	10 - 179
1,1,2-Trichloroethane	2500	2860		ug/Kg		115	80 - 120
1,1-Dichloroethane	2500	2700		ug/Kg		108	78 - 121
1,1-Dichloroethene	2500	2900		ug/Kg		116	48 - 133
1,2,4-Trichlorobenzene	2500	2890		ug/Kg		116	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2490		ug/Kg		100	56 - 122
1,2-Dibromoethane	2500	2870		ug/Kg		115	80 - 120
1,2-Dichlorobenzene	2500	2700		ug/Kg		108	78 - 125
1,2-Dichloroethane	2500	2610		ug/Kg		104	74 - 127
1,2-Dichloropropane	2500	2860		ug/Kg		114	80 - 120
1,3-Dichlorobenzene	2500	2700		ug/Kg		108	80 - 120
1,4-Dichlorobenzene	2500	2630		ug/Kg		105	80 - 120

Eurofins Buffalo

QC Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-762885/2-A

Matrix: Solid

Analysis Batch: 762899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 762885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	12500	13400		ug/Kg		108	54 - 149
2-Hexanone	12500	15200		ug/Kg		121	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	13600		ug/Kg		109	74 - 120
Acetone	12500	14300		ug/Kg		114	47 - 141
Benzene	2500	2690		ug/Kg		108	77 - 125
Bromodichloromethane	2500	2490		ug/Kg		100	71 - 121
Bromoform	2500	2250		ug/Kg		90	48 - 125
Bromomethane	2500	2120		ug/Kg		85	39 - 149
Carbon disulfide	2500	2710		ug/Kg		108	40 - 136
Carbon tetrachloride	2500	2840		ug/Kg		113	54 - 135
Chlorobenzene	2500	2660		ug/Kg		106	76 - 126
Chloroethane	2500	2340		ug/Kg		94	23 - 150
Chloroform	2500	2610		ug/Kg		105	78 - 120
Chloromethane	2500	1990		ug/Kg		79	61 - 124
cis-1,2-Dichloroethene	2500	2700		ug/Kg		108	79 - 124
cis-1,3-Dichloropropene	2500	2840		ug/Kg		114	75 - 121
Cyclohexane	2500	2740		ug/Kg		110	49 - 129
Dibromochloromethane	2500	2610		ug/Kg		104	64 - 120
Dichlorodifluoromethane	2500	1730		ug/Kg		69	10 - 150
Ethylbenzene	2500	2760		ug/Kg		111	78 - 124
Isopropylbenzene	2500	2790		ug/Kg		111	76 - 120
Methyl acetate	5000	5760		ug/Kg		115	71 - 123
Methyl tert-butyl ether	2500	2610		ug/Kg		104	67 - 137
Methylcyclohexane	2500	2850		ug/Kg		114	50 - 130
Methylene Chloride	2500	2680		ug/Kg		107	75 - 118
Styrene	2500	2670		ug/Kg		107	80 - 120
Tetrachloroethene	2500	2740		ug/Kg		109	73 - 133
Toluene	2500	2780		ug/Kg		111	75 - 124
trans-1,2-Dichloroethene	2500	2720		ug/Kg		109	74 - 129
trans-1,3-Dichloropropene	2500	2450		ug/Kg		98	73 - 120
Trichloroethene	2500	2760		ug/Kg		110	75 - 131
Trichlorofluoromethane	2500	2600		ug/Kg		104	29 - 158
Vinyl chloride	2500	2050		ug/Kg		82	59 - 124
Xylenes, Total	5000	5470		ug/Kg		109	78 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		53 - 146
4-Bromofluorobenzene (Surr)	97		49 - 148
Dibromofluoromethane (Surr)	98		60 - 140
Toluene-d8 (Surr)	102		50 - 149

Lab Sample ID: MB 480-762949/8

Matrix: Water

Analysis Batch: 762949

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/20/25 01:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/20/25 01:49	1

Eurofins Buffalo

QC Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-762949/8

Matrix: Water

Analysis Batch: 762949

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/20/25 01:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/20/25 01:49	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/20/25 01:49	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/20/25 01:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/20/25 01:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/20/25 01:49	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/20/25 01:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/20/25 01:49	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/20/25 01:49	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/20/25 01:49	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/20/25 01:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/20/25 01:49	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/20/25 01:49	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/20/25 01:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/20/25 01:49	1
Acetone	10	U	10	3.0	ug/L			11/20/25 01:49	1
Benzene	1.0	U	1.0	0.41	ug/L			11/20/25 01:49	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/20/25 01:49	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/20/25 01:49	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/20/25 01:49	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/20/25 01:49	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/20/25 01:49	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/20/25 01:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/20/25 01:49	1
Chloroform	1.0	U	1.0	0.34	ug/L			11/20/25 01:49	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/20/25 01:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/20/25 01:49	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/20/25 01:49	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/20/25 01:49	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/20/25 01:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/20/25 01:49	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/20/25 01:49	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/20/25 01:49	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/20/25 01:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/20/25 01:49	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/20/25 01:49	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/20/25 01:49	1
Styrene	1.0	U	1.0	0.73	ug/L			11/20/25 01:49	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/20/25 01:49	1
Toluene	1.0	U	1.0	0.51	ug/L			11/20/25 01:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/20/25 01:49	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/20/25 01:49	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/20/25 01:49	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/20/25 01:49	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/20/25 01:49	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/20/25 01:49	1

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QC Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-762949/8

Matrix: Water

Analysis Batch: 762949

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		11/20/25 01:49	1
4-Bromofluorobenzene (Surr)	95		73 - 120		11/20/25 01:49	1
Dibromofluoromethane (Surr)	99		75 - 123		11/20/25 01:49	1
Toluene-d8 (Surr)	100		80 - 120		11/20/25 01:49	1

Lab Sample ID: LCS 480-762949/6

Matrix: Water

Analysis Batch: 762949

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.9		ug/L		103	73 - 126
1,1,1,2,2-Tetrachloroethane	25.0	27.3		ug/L		109	76 - 120
1,1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.4		ug/L		101	61 - 148
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	25.3		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	27.1		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.1		ug/L		108	56 - 134
1,2-Dibromoethane	25.0	27.8		ug/L		111	77 - 120
1,2-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	24.4		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	26.8		ug/L		107	76 - 120
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 120
2-Butanone (MEK)	125	134		ug/L		107	57 - 140
2-Hexanone	125	151		ug/L		121	65 - 127
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	128		ug/L		102	56 - 142
Benzene	25.0	24.9		ug/L		99	71 - 124
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Bromoform	25.0	25.3		ug/L		101	61 - 132
Bromomethane	25.0	20.7		ug/L		83	55 - 144
Carbon disulfide	25.0	26.2		ug/L		105	59 - 134
Carbon tetrachloride	25.0	27.1		ug/L		108	72 - 134
Chlorobenzene	25.0	24.8		ug/L		99	80 - 120
Chloroethane	25.0	21.7		ug/L		87	69 - 136
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	21.3		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	25.7		ug/L		103	59 - 135
Dibromochloromethane	25.0	26.5		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	18.9		ug/L		76	59 - 135
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
Isopropylbenzene	25.0	26.3		ug/L		105	77 - 122
Methyl acetate	50.0	51.1		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	26.1		ug/L		105	77 - 120
Methylcyclohexane	25.0	26.2		ug/L		105	68 - 134

Eurofins Buffalo

QC Sample Results

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-762949/6

Matrix: Water

Analysis Batch: 762949

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	24.9		ug/L		100	75 - 124
Styrene	25.0	25.0		ug/L		100	80 - 120
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	25.1		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	21.7		ug/L		87	80 - 120
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	23.2		ug/L		93	62 - 150
Vinyl chloride	25.0	22.3		ug/L		89	65 - 133
Xylenes, Total	50.0	50.6		ug/L		101	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	97		75 - 123
Toluene-d8 (Surr)	96		80 - 120

QC Association Summary

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

GC/MS VOA

Prep Batch: 762831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234539-2	TP-3-9.5'	Total/NA	Solid	5035A_L	
MB 480-762831/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-762831/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 762832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234539-2	TP-3-9.5'	Total/NA	Solid	EPA 8260C	762831
MB 480-762831/2-A	Method Blank	Total/NA	Solid	EPA 8260C	762831
LCS 480-762831/1-A	Lab Control Sample	Total/NA	Solid	EPA 8260C	762831

Prep Batch: 762885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234539-1	TP-1-12'	Total/NA	Solid	5035A_H	
MB 480-762885/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-762885/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 762899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234539-1	TP-1-12'	Total/NA	Solid	EPA 8260C	762885
MB 480-762885/1-A	Method Blank	Total/NA	Solid	EPA 8260C	762885
LCS 480-762885/2-A	Lab Control Sample	Total/NA	Solid	EPA 8260C	762885

Analysis Batch: 762949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234539-3	PZ-1	Total/NA	Water	EPA 8260C	
MB 480-762949/8	Method Blank	Total/NA	Water	EPA 8260C	
LCS 480-762949/6	Lab Control Sample	Total/NA	Water	EPA 8260C	

General Chemistry

Analysis Batch: 762722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234539-1	TP-1-12'	Total/NA	Solid	Moisture	
480-234539-2	TP-3-9.5'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Client Sample ID: TP-1-12'

Lab Sample ID: 480-234539-1

Date Collected: 11/13/25 11:00

Matrix: Solid

Date Received: 11/14/25 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	762722	JLS	EET BUF	11/17/25 14:28

Client Sample ID: TP-1-12'

Lab Sample ID: 480-234539-1

Date Collected: 11/13/25 11:00

Matrix: Solid

Date Received: 11/14/25 13:00

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			762885	ATG	EET BUF	11/19/25 09:28
Total/NA	Analysis	EPA 8260C		20	762899	ATG	EET BUF	11/19/25 15:49

Client Sample ID: TP-3-9.5'

Lab Sample ID: 480-234539-2

Date Collected: 11/13/25 12:40

Matrix: Solid

Date Received: 11/14/25 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	762722	JLS	EET BUF	11/17/25 14:28

Client Sample ID: TP-3-9.5'

Lab Sample ID: 480-234539-2

Date Collected: 11/13/25 12:40

Matrix: Solid

Date Received: 11/14/25 13:00

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			762831	CDC	EET BUF	11/18/25 18:32
Total/NA	Analysis	EPA 8260C		1	762832	CDC	EET BUF	11/18/25 23:52

Client Sample ID: PZ-1

Lab Sample ID: 480-234539-3

Date Collected: 11/13/25 14:45

Matrix: Water

Date Received: 11/14/25 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 8260C		100	762949	ATG	EET BUF	11/20/25 02:12

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
EPA 8260C		Water	1,2-Dibromoethane
EPA 8260C	5035A_H	Solid	1,2-Dibromoethane
EPA 8260C	5035A_L	Solid	1,2-Dibromoethane
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
5030C	Purge and Trap	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Roux Environmental Engineering and Geology DPC
Project/Site: 1641 River St.

Job ID: 480-234539-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-234539-1	TP-1-12'	Solid	11/13/25 11:00	11/14/25 13:00	New York
480-234539-2	TP-3-9.5'	Solid	11/13/25 12:40	11/14/25 13:00	New York
480-234539-3	PZ-1	Water	11/13/25 14:45	11/14/25 13:00	New York

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11/20/2025

Login Sample Receipt Checklist

Client: Roux Environmental Engineering and Geology DPC

Job Number: 480-234539-1

Login Number: 234539

List Source: Eurofins Buffalo

List Number: 1

Creator: Stapleton, Kaitlyn

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	16.3 IR#SC no ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	PTM Engineering
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	