

March 7, 2025

Washington State Department of Ecology
PO Box 47600
Olympia, Washington 98504-7600

Attention: Jing Song

Subject: Post-Construction Monitoring Progress Report – February 2025 Sampling Event
701/709 South Jackson Street
Seattle, Washington
Facility Site ID: 99187287
Cleanup Site ID: 11348
GeoEngineers File No. 24504-001-04

Introduction

On behalf of 701 S Jackson QOZB, LLC (South Jackson QOZB [formerly South Jackson Partners, LLC]), this progress report is being provided to present the results of the February 2025 post-construction groundwater monitoring event completed for the Seventh Avenue Service Site (Site) located at 701/709 South Jackson Street within the Chinatown-International District neighborhood of Seattle, Washington. In accordance with the *Draft Compliance Monitoring Plan (CMP)* (GeoEngineers 2024), groundwater and soil vapor monitoring are being completed by South Jackson QOZB to evaluate post-construction Site conditions relative to the residual soil contamination remaining in-place beneath portions of the 7th Avenue South and South Jackson Street rights-of-way (ROW) beyond the 701/709 South Jackson Street property (Property) boundaries.

The Site is shown relative to surrounding physical features on the Vicinity Map, Figure 1. Current Site conditions following completion of the Ecology-approved 2023 Cleanup Action to address petroleum-related contamination resulting from historical land use (i.e., a former gasoline service station with associated automotive maintenance facilities) are shown on the Site Plan, Figure 2. The post-construction monitoring activities are summarized below.

Groundwater Monitoring Program

Performance monitoring is being completed on a quarterly basis to document post-construction groundwater conditions and compliance with the cleanup standards established by the *Cleanup Action Plan*

(CAP; Ecology 2023). It is anticipated that performance monitoring will be completed until four consecutive groundwater sampling events indicate that contaminant concentrations are below the established cleanup levels. Once the performance groundwater monitoring results indicate that the Model Toxics Control Act (MTCA) cleanup levels have been met, long-term confirmational groundwater monitoring will then be completed on an annual basis until the first 5-year periodic review by Ecology or as otherwise determined by Ecology.

GROUNDWATER MONITORING SCHEDULE

Post-construction groundwater monitoring has and will include the following events:

- Round 1 Post-Construction Groundwater Monitoring Event – Completed on August 20, 2024
- Round 2 Post-Construction Groundwater Monitoring Event – Completed on November 26, 2024
- Round 3 Post-Construction Groundwater Monitoring Event – Completed on February 20, 2025
- Round 4 Post-Construction Groundwater Monitoring Event – Anticipated for May 2025

The need for additional rounds of groundwater monitoring will be determined by Ecology based on the results of the initial four quarterly monitoring events.

MONITORING WELL NETWORK

Previously installed groundwater monitoring wells GEI-11 and GEI-12 are being used to evaluate groundwater conditions within and/or down gradient of the areas of residual soil contamination beyond the Property boundary. Monitoring well GEI-13 (new monitoring well recently installed in the South Jackson Street ROW) is being used to evaluate and document groundwater north of the Property boundary and up-gradient of the cleanup action area. The locations of monitoring wells GEI-11 through GEI-13 are shown in Figure 2. Well construction details are summarized in Table 1.

SAMPLING PROCEDURES

Groundwater samples were obtained from monitoring wells using low-flow/low-turbidity sampling techniques to minimize the suspension of sediment in groundwater samples. Prior to sampling, groundwater levels were measured in each monitoring well using an electric water level indicator (e-tape) to the nearest 0.01 foot relative to the surveyed casing rim elevations. Measured groundwater levels are summarized in Table 2.

Groundwater was pumped at 0.5 liters per minute or less using a GeoSub 2 - submersible pump through dedicated polyethylene tubing placed within the screened interval of each well. A water quality parameter measuring instrument with flow-through cell was used to monitor water quality parameters during purging. Groundwater samples were obtained after ambient groundwater conditions were attained at each well location. Groundwater field parameters measured at the time of sampling are presented in Table 2.

Once filled, sample containers were placed in iced coolers and transported to the analytical laboratory under chain of custody procedures.

CHEMICAL ANALYSIS

Groundwater samples were submitted to Fremont Analytical, located in Seattle, Washington, for chemical analysis for the following Site contaminants:

- Gasoline-range total petroleum hydrocarbons by Ecology Method NWTPH-Gx.
- Diesel- and heavy oil-range total petroleum hydrocarbons by Ecology Method NWTPH-Dx.
- Benzene, ethylbenzene, toluene and xylenes (BETX) by United States Environmental Protection Agency (EPA) Method 8260.
- Naphthalenes by EPA Method 8270.

In addition to the Site contaminants listed above, Ecology in their email correspondence also required the following chemical analysis for consistency with Table 830-1 (Washington Administrative Code [WAC] 173-340-900):

- Volatile organic compounds (VOCs) including, 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC) and methyl t-butyl ether (MTBE) by EPA Method 8260.
- Total and dissolved lead by EPA Method 6020.

GROUNDWATER MONITORING RESULTS

Groundwater Flow

Measured groundwater elevations ranged between 34.50- and 36.12-feet referenced to North American Vertical Datum 1988 (NAVD88) during the February 2025 post-construction groundwater monitoring event. Based on the measured groundwater elevations, the groundwater flow at the Site is to the south-southwest consistent with the first round of monitoring.

Groundwater elevations measured during each quarterly sampling event are summarized in Table 2. Groundwater flow based on the results of the February 2025 post-construction groundwater monitoring event are in Figure 2.

Chemical Analytical Results

The results of the February 2025 post-construction groundwater monitoring event are presented in Table 3 and are summarized below:

- **GEI-11** – Contaminants listed above were not detected at concentrations greater than the laboratory reporting limits that were less than their corresponding groundwater cleanup levels.
- **GEI-12** – Contaminants listed above were not detected at concentrations greater than the laboratory reporting limits that were less than their corresponding groundwater cleanup levels.
- **GEI-13** – Contaminants listed above were either not detected or were detected at concentrations less than their corresponding groundwater cleanup levels.

Soil Vapor Monitoring Program

Due to the presence of residual soil contamination remaining beyond the Property boundary within the 7th Avenue and South Jackson Street ROWs, semi-annual soil vapor monitoring is being conducted to document post-construction conditions and evaluate the potential vapor intrusion risk to future occupants of the building planned for construction on the Property. South Jackson QOZB will consult with Ecology following completion of the second soil vapor monitoring event to determine whether the residual contaminant concentrations (if detected) pose a risk for vapor intrusion into the planned new building and whether a vapor barrier is required to protect occupants of the new building from exposure.

SOIL VAPOR MONITORING SCHEDULE

Post-construction soil vapor monitoring has and will include the following events:

- Round 1 Soil Vapor Monitoring Event – Completed on November 26, 2024
- Round 2 Soil Vapor Monitoring Event – Anticipated for May 2025

The soil vapor monitoring is being completed by South Jackson QOZB concurrent with the second and fourth quarterly performance groundwater monitoring events to document Site conditions and to account for potential seasonal variations. The frequency and duration of additional soil vapor monitoring or air sampling (if required) will be based on discussions with Ecology. Soil vapor sampling and analysis were not completed during the February 2025 post-construction monitoring event in accordance with the CMP and in coordination with Ecology. Previous soil vapor sample results are presented in Table 4.

Compliance Monitoring Plan Deviations

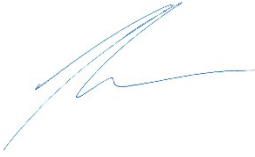
The groundwater monitoring and sample collection for the February 2025 post-construction groundwater monitoring event were completed consistent with the CMP. No significant deviations from the CMP were identified.

References

- Washington State Department of Ecology (Ecology) 2022. Cleanup Action Plan, Seventh Avenue Service, 701 South Jackson Street, Seattle, WA 98104 King, County Parcel #5247802725, CSID: 11348, FSID: 99187287. Prepared by the Washington State Department of Ecology. September 20, 2022.
- GeoEngineers Inc. (GeoEngineers) 2024. Post-Construction Compliance Monitoring Plan, 701 South Jackson Property. Prepared for South Jackson Partners LLC. File No. 24504-001-01. August 16, 2024.

Post-construction groundwater and soil vapor conditions at the Site will continue to be evaluated and documented in accordance with the CAP and CMP. Please contact us with any questions or concerns.

Sincerely,
GeoEngineers, Inc.,



Robert S. Trahan, LG
Senior Environmental Scientist



Tim L. Syverson, LHG
Associate Environmental Geologist

RST:TLS:lh:she:cdb

Attachments:

Tables

- Table 1. Monitoring Well Completion Details
- Table 2. Post-Construction Groundwater Elevation and Field Parameters
- Table 3. Post-Construction Groundwater Chemical Analytical Data
- Table 4. Post-Construction Soil Vapor Chemical Analytical Data

Figures

- Figure 1. Vicinity Map
- Figure 2. Site Plan
- Laboratory Data Report

Tables

Table 1
Monitoring Well Completion Details
701 South Jackson Street
Seattle, Washington

Monitoring Well ¹	Date Installed	Installed By	Ecology Well Identification	Ground Elevation ³ (ft)	Top of Casing Elevation (ft)	Bottom of Casing Elevation (ft)	Total Well Depth (ft bgs)	Screen Interval (ft bgs)	Well Casing and Screen Specifications ²	Monitoring Well Coordinates (Latitude/Longitude)
GEI-11	04/06/22	GeoEngineers	BNC-885	93.18	92.68	22.68	70	60.0 - 70.0	2-Inch Diameter Schedule 40 PVC Well Casing and Screen with 0.010-Inch Slot Width	47.598851 -122.323695
GEI-12	04/05/22	GeoEngineers	BNC-886	97.58	97.08	22.08	75	65.0 - 75.0	2-Inch Diameter Schedule 40 PVC Well Casing and Screen with 0.010-Inch Slot Width	47.599017 -122.323695
GEI-13	06/06/24	GeoEngineers	BPW-535	102.54	102.02	27.54	75	65.0 - 75.0	2-Inch Diameter Schedule 40 PVC Well Casing and Screen with 0.010-Inch Slot Width	47.599083 -122.323348

Notes:

¹ Monitoring well locations are shown on Figure 2.

² Monitoring wells were installed using hollow-stem auger (HSA) drilling methods.

³ Elevation referenced to North American Vertical Datum 1988 (NAVD88).

ft = feet

bgs = below ground surface

PVC = polyvinyl chloride

Table 2
Post-Construction Groundwater Elevation and Field Parameters
701 South Jackson Street
Seattle, Washington

Groundwater Monitoring Well ¹	Groundwater Monitoring Event	Date Sampled	Top of Casing Elevation ² (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	pH	Specific Conductance (mS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)
GEI-11	Round 1	08/20/24	92.68	58	34.68	7.40	0.914	17.0	1.46	40.0	0.594	20.0
	Round 2	11/26/24		58.5	34.18	7.28	0.852	14.9	1.68	85.4	--	6.7
	Round 3	02/20/25		58.18	34.50	7.21	0.732	14.9	1.66	178.5	0.590	7.8
GEI-12	Round 1	08/20/24	97.08	61.6	35.48	7.31	0.870	17.4	0.41	38.0	0.565	2.39
	Round 2	11/26/24		61.92	35.16	7.25	0.799	15.8	0.40	110.8	--	18.86
	Round 3	02/20/25		61.73	35.35	7.13	0.683	14.9	1.55	174.1	0.548	6.71
GEI-13	Round 1	08/20/24	102.54	66.19	36.35	7.28	0.840	17.0	2.70	43.2	0.548	4.11
	Round 2	11/26/24		66.63	35.91	7.21	0.780	15.4	3.44	124.4	--	3.84
	Round 3	02/20/25		66.42	36.12	7.11	0.663	14.4	3.26	173.7	0.539	5.04

Notes:

¹ Monitoring well locations shown on Figure 2.

² Elevation referenced to North American Vertical Datum 1988 (NAVD88).

°C = degree Celsius

ft = feet

g/L = grams per liter

mg/L = milligrams per liter

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation/reduction potential

ppt = parts per thousand

TDS = total dissolved solids

mS/cm = milli- Siemens per centimeter

-- = not measured

Table 3																				
Post-Construction Groundwater Chemical Analytical Data																				
701 South Jackson Street																				
Seattle, Washington																				
Sample Location ¹	Groundwater Monitoring Event	Sample Identification	Sample Date	Units	Petroleum Hydrocarbons ²				VOCs ³							Metals ⁴		PAHs ⁵		
					Gasoline-Range	Diesel-Range	Heavy Oil-Range	Total Diesel/Heavy Oil-Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,2- Dibromoethane (EDB)	1,2- Dichloroethane (EDC)	Methyl tert-butyl ether (MTBE)	Total Lead	Dissolved Lead	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene
GEI-11	Q1	GEI-11-082024	08/20/24	µg/L	100 U	91.9 U	138 U	230 U	0.20 U	0.50 U	0.50 U	1.0 U	0.00985 U	0.20 U	0.50 U	0.30 U	0.30 U	0.0949 U	0.0949 U	0.0949 U
	Q2	GEI-11-112624	11/26/24	µg/L	50 U	96.9 U	145 U	242 U	0.10 U	0.20 U	0.10 U	0.20 U	0.010 U	0.10 U	0.10 U	0.30 U	0.30 U	0.144	0.192	0.0958 U
	Q3	GEI-11-022025	02/20/25	µg/L	50 U	95.7 U	144 U	239 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0959 U	0.0959 U	0.0959 U
GEI-12	Q1	GEI-12-082024	08/20/24	µg/L	100 U	92.1 U	138 U	230 U	0.20 U	0.50 U	0.50 U	1.0 U	0.00953 U	0.20 U	0.50 U	0.30 U	0.30 U	0.0935 U	0.0935 U	0.0935 U
	Q2	GEI-12-112624	11/26/24	µg/L	50 U	96.1 U	144 U	240 U	0.10 U	0.20 U	0.10 U	0.20 U	0.010 U	0.10 U	0.10 U	0.491	0.30 U	0.0952 U	0.0952 U	0.0952 U
	Q3	GEI-12-022025	02/20/25	µg/L	50 U	96.4 U	145 U	241 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0965 U	0.0965 U	0.0965 U
GEI-13	Q1	GEI-13-082024	08/20/24	µg/L	100 U	93.3 U	140 U	233 U	0.20 U	0.50 U	0.50 U	1.0 U	0.00984 U	0.20 U	0.50 U	0.30 U	0.30 U	0.0939 U	0.0939 U	0.0939 U
		DUP-082024	08/20/24	µg/L	100 U	92.8 U	139 U	232 U	0.20 U	0.50 U	0.50 U	1.0 U	0.00911 U	0.20 U	0.50 U	0.30 U	0.30 U	0.0949 U	0.0949 U	0.0949 U
	Q2	GEI-13-112624	11/26/24	µg/L	50 U	99.4 U	149 U	248 U	0.10 U	0.20 U	0.10 U	0.20 U	0.010 U	0.10 U	0.10 U	0.30 U	0.30 U	0.0952 U	0.0952 U	0.0952 U
		DUP-112624	11/26/24	µg/L	50 U	103 U	154 U	257 U	0.10 U	0.20 U	0.10 U	0.20 U	0.010 U	0.10 U	0.10 U	0.30 U	0.30 U	0.0965 U	0.0965 U	0.0965 U
	Q3	GEI-13-022025	02/20/25	µg/L	50 U	164	142 U	236 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0961 U	0.0961 U	0.0961 U
		DUP-022025	02/20/25	µg/L	50 U	264	141 U	235 U	0.10 U	0.10 U	0.10 U	0.20 U	0.010 U	0.20 U	0.10 U	0.30 U	0.30 U	0.0962 U	0.0962 U	0.0962 U
MTCA Method A/B Cleanup Level ⁶					800	500		500	5	1,000	700	1,000	0.01	5	20	15	15	160	32	560

Notes:

¹ Approximate sample locations are shown on Figure 2.

² Petroleum hycrocarbons analyzed by NWTPH-G/Dx Methods.

³ Volatile Orgnic Compounds (VOCs) analyzed by EPA Method 8260.

⁴ Metals analyzed by EPA Method 200.8/245.1

⁵ Polycyclic aromatic hydrocrabons (PAHs) analyzed by EPA 8270/SIM.

⁶ Washington State Model Toxic Control Act Cleanup Regulation (MTCA) Method A Groundwater Cleanup Levels. MTCA Method B cleanup level used when Method A cleanup level has not been established.

bgs = below ground surface

µg/L = micrograms per liter

NWTPH = Northwest Total Petroleum Hydrocarbon

EPA = United States Environmental Protection Agency

U = chemical of concern not detected greater than the laboratory reporting limit shown

– = not analyzed

Bold indicates analyte was detected.

Table 4
Post-Construction Soil Vapor Chemical Analytical Data
701 South Jackson Street
Seattle, Washington

Sample Location ¹	CAS Number	VP-1	VP-2	Sub-Slab Soil Gas	
Sample Identification		VP-1-112624	VP-2-112624	Screening Level ²	
Sample Date		11/26/24	11/26/24	Method B Non-Cancer	Method B Cancer
Helium by Modified ASTM D-1496					
Helium (percent)	–	– ³	– ³	NE	NE
Petroleum Hydrocarbons by Modified TO-15 (µg/m ³)					
Aliphatic Hydrocarbons (EC5-8)	–	105.7 U	105.7 U	NE	NE
Aliphatic Hydrocarbons (EC9-12)	–	70.5 U	70.5 U	NE	NE
Aromatic Hydrocarbons (EC9-10)	–	21.2 U	21.2 U	NE	NE
Total Petroleum Hydrocarbons (TPH)	–	105.7 U	105.7 U	NE	NE
Volatile Organic Compounds (VOCs) by TO-15 (µg/m ³)					
Benzene	71-43-2	0.904	0.607	460	11
Toluene	108-88-3	11.57	7.54 U	76,000	NE
Ethylbenzene	100-41-4	8.68 U	8.68 U	15,000	NE
Xylenes	1330-20-7	17.37	17.37 U	1,500	NE
Naphthalene	91-20-3	0.29 U	0.29 U	46	2.5

Notes:

¹ Approximate exploration locations shown on Figure 3.

² Washington State Model Toxic Control Act Cleanup Regulation (MTCA) Method B soil gas screening level.

³ Helium was not analyzed by the laboratory prior to sample disposal in error.

µg/m³ = micrograms per cubic meter

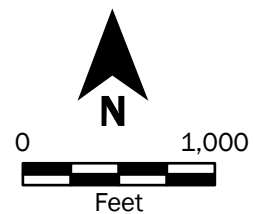
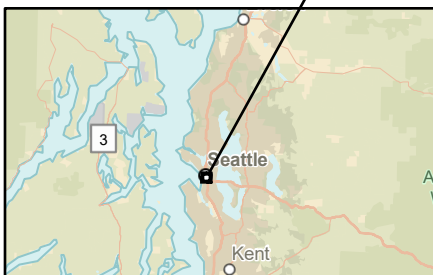
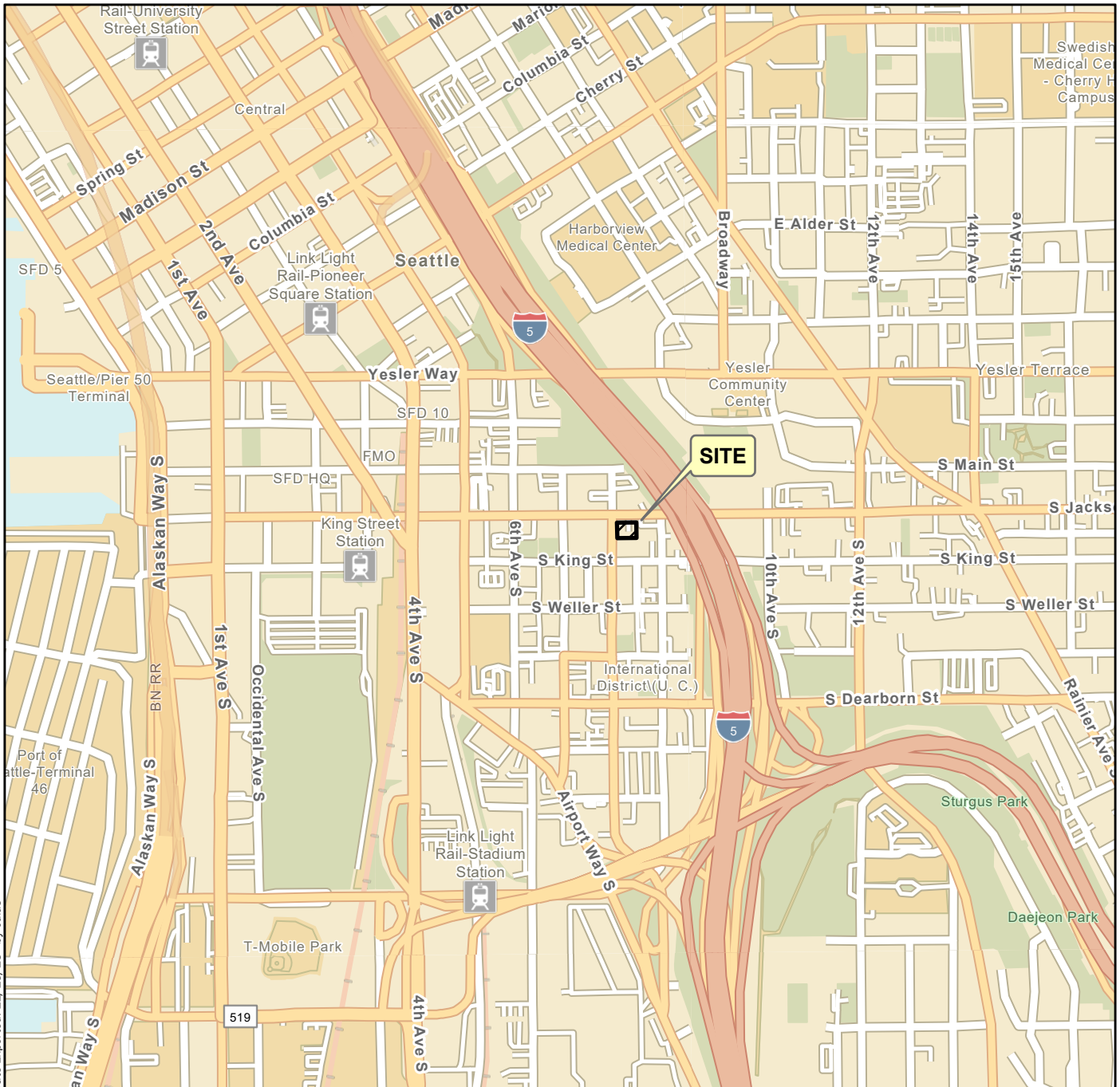
NE = not established

– = not analyzed

U = chemical of concern not detected greater than the laboratory reporting limit shown

Bold indicates analyte was detected.

Figures



Vicinity Map

701 South Jackson Street
Seattle, Washington



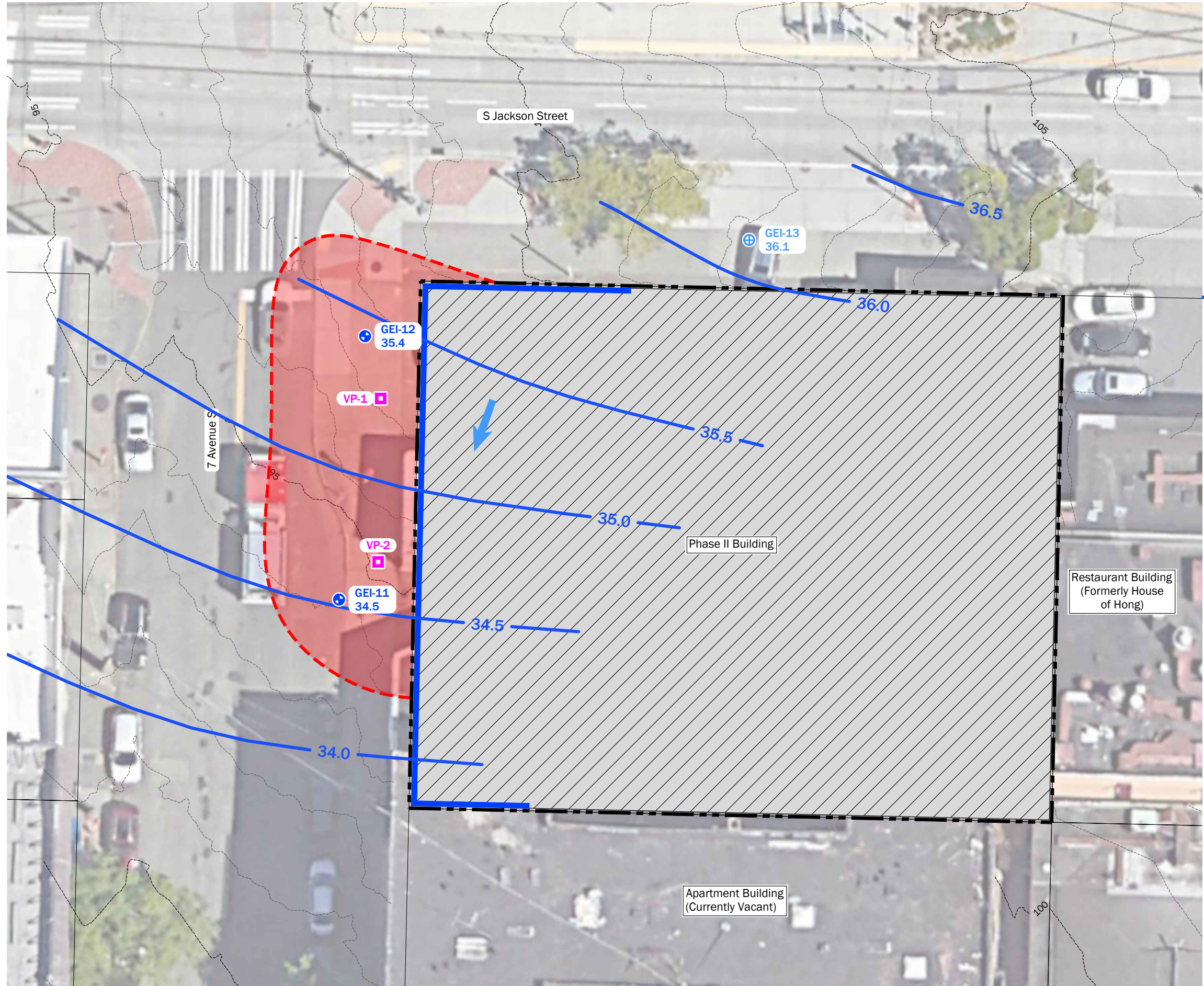
Figure 1

Source(s):
• ESRI

Coordinate System: NAD 1983 UTM Zone 10N

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

P:\24\24504001\CAD\04 Post-Construction Groundwater Monitoring Plan\2450400104_F02_Site Plan.dwg 2 Date Exported:2/24/2025 3:54 PM - by Jackson N. Fellows



Legend

- Property Boundary
- Parcel Boundary
- Topographic Contour (Feet, NAVD88)
- Property Redevelopment Area
- Extent of Residual Soil Contamination
- Vapor Barrier (Planned Extent)
- Monitoring Well (Existing)
- Monitoring Well (New)
- Soil Vapor Pin (New)
- Inferred Groundwater Flow Direction
- Groundwater Contour (Feet, NAVD88)

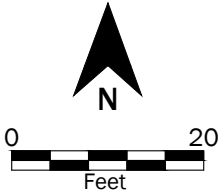
Note(s):

- Elevations on this plan reference the North American Vertical Datum of 1988 (NAVD88).

- Source(s):
- Aerial from Google Earth Pro dated 5/26/2018.
 - LIDAR from Puget Sound Lidar Consortium dated 2016

Projection: WA State Plane, North Zone, NAD83, US Foot

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.



Site Plan	
701 South Jackson Street Seattle, Washington	
GEOENGINEERS	Figure 2

Laboratory Data Report

GeoEngineers

Robert Trahan

2101 4th Ave, Suite 950

Seattle, WA 98121

RE: 701/709 South Jackson St., 24504-001-04

Work Order Number: 2502393

February 27, 2025

Attention Robert Trahan:

Alliance Technical Group, LLC - Seattle received 5 sample(s) on 2/20/2025 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx

Dissolved Metals by EPA 6020B

Gasoline by NWTPH-Gx

PAHs by EPA Method 8270E SIM

Total Metals by EPA 6020B

Volatile Organic Compounds by EPA 8260D

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

Brianna Barnes
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing

ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing

Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original



CLIENT: GeoEngineers
Project: 701/709 South Jackson St.
Work Order: 2502393

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2502393-001	GEI-11_022025	02/20/2025 1:25 PM	02/20/2025 4:24 PM
2502393-002	GEI-12_022025	02/20/2025 2:20 PM	02/20/2025 4:24 PM
2502393-003	GEI-13_022025	02/20/2025 3:15 PM	02/20/2025 4:24 PM
2502393-004	GEI-DUP_022025	02/20/2025 12:00 PM	02/20/2025 4:24 PM
2502393-005	Trip Blank-022025	02/20/2025 12:00 AM	02/20/2025 4:24 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate

Client: GeoEngineers

Collection Date: 2/20/2025 1:25:00 PM

Project: 701/709 South Jackson St.

Lab ID: 2502393-001

Matrix: Water

Client Sample ID: GEI-11_022025

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx

Batch ID: 46849

Analyst: AP

Diesel Range Organics	ND	95.7		µg/L	1	2/25/2025 4:38:22 PM
Heavy Oil	ND	144		µg/L	1	2/25/2025 4:38:22 PM
Total Petroleum Hydrocarbons	ND	239		µg/L	1	2/25/2025 4:38:22 PM
Surr: 2-Fluorobiphenyl	74.7	50 - 150		%Rec	1	2/25/2025 4:38:22 PM
Surr: o-Terphenyl	76.4	50 - 150		%Rec	1	2/25/2025 4:38:22 PM

PAHs by EPA Method 8270E SIM

Batch ID: 46844

Analyst: SH

Naphthalene	ND	0.0959		µg/L	1	2/25/2025 1:17:24 PM
2-Methylnaphthalene	ND	0.0959		µg/L	1	2/25/2025 1:17:24 PM
1-Methylnaphthalene	ND	0.0959		µg/L	1	2/25/2025 1:17:24 PM
Surr: 2-Fluorobiphenyl	104	61.4 - 134		%Rec	1	2/25/2025 1:17:24 PM
Surr: Terphenyl-d14	125	43.2 - 155		%Rec	1	2/25/2025 1:17:24 PM

Gasoline by NWTPH-Gx

Batch ID: 46845

Analyst: LN

Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 3:45:07 PM
Surr: Toluene-d8	99.6	65 - 135		%Rec	1	2/21/2025 3:45:07 PM
Surr: 4-Bromofluorobenzene	99.8	65 - 135		%Rec	1	2/21/2025 3:45:07 PM

Volatile Organic Compounds by EPA 8260D

Batch ID: 46845

Analyst: LN

Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	2/21/2025 3:45:07 PM
Benzene	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	2/21/2025 3:45:07 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 3:45:07 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 3:45:07 PM
Surr: Dibromofluoromethane	113	70 - 130		%Rec	1	2/21/2025 3:45:07 PM
Surr: Toluene-d8	102	70 - 130		%Rec	1	2/21/2025 3:45:07 PM
Surr: 1-Bromo-4-fluorobenzene	100	70 - 130		%Rec	1	2/21/2025 3:45:07 PM

Dissolved Metals by EPA 6020B

Batch ID: 46847

Analyst: ME

Lead	ND	0.300		µg/L	1	2/24/2025 5:38:00 PM
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Analytical Report

Work Order: 2502393

Date Reported: 2/27/2025

Client: GeoEngineers

Collection Date: 2/20/2025 1:25:00 PM

Project: 701/709 South Jackson St.

Lab ID: 2502393-001

Matrix: Water

Client Sample ID: GEI-11_022025

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA 6020B

Batch ID: 46857

Analyst: ME

Lead

ND

0.300

µg/L

1

2/25/2025 7:25:00 PM

Analytical Report

Work Order: 2502393
Date Reported: 2/27/2025

Client: GeoEngineers

Collection Date: 2/20/2025 2:20:00 PM

Project: 701/709 South Jackson St.

Lab ID: 2502393-002

Matrix: Water

Client Sample ID: GEI-12_022025

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx

Batch ID: 46849

Analyst: AP

Diesel Range Organics	ND	96.4		µg/L	1	2/25/2025 4:50:08 PM
Heavy Oil	ND	145		µg/L	1	2/25/2025 4:50:08 PM
Total Petroleum Hydrocarbons	ND	241		µg/L	1	2/25/2025 4:50:08 PM
Surr: 2-Fluorobiphenyl	71.6	50 - 150		%Rec	1	2/25/2025 4:50:08 PM
Surr: o-Terphenyl	69.5	50 - 150		%Rec	1	2/25/2025 4:50:08 PM

PAHs by EPA Method 8270E SIM

Batch ID: 46844

Analyst: SH

Naphthalene	ND	0.0965		µg/L	1	2/25/2025 1:34:05 PM
2-Methylnaphthalene	ND	0.0965		µg/L	1	2/25/2025 1:34:05 PM
1-Methylnaphthalene	ND	0.0965		µg/L	1	2/25/2025 1:34:05 PM
Surr: 2-Fluorobiphenyl	110	61.4 - 134		%Rec	1	2/25/2025 1:34:05 PM
Surr: Terphenyl-d14	128	43.2 - 155		%Rec	1	2/25/2025 1:34:05 PM

Gasoline by NWTPH-Gx

Batch ID: 46845

Analyst: LN

Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 4:11:32 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	2/21/2025 4:11:32 PM
Surr: 4-Bromofluorobenzene	99.9	65 - 135		%Rec	1	2/21/2025 4:11:32 PM

Volatile Organic Compounds by EPA 8260D

Batch ID: 46845

Analyst: LN

Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	2/21/2025 4:11:32 PM
Benzene	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	2/21/2025 4:11:32 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 4:11:32 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 4:11:32 PM
Surr: Dibromofluoromethane	114	70 - 130		%Rec	1	2/21/2025 4:11:32 PM
Surr: Toluene-d8	103	70 - 130		%Rec	1	2/21/2025 4:11:32 PM
Surr: 1-Bromo-4-fluorobenzene	101	70 - 130		%Rec	1	2/21/2025 4:11:32 PM

Dissolved Metals by EPA 6020B

Batch ID: 46847

Analyst: ME

Lead	ND	0.300		µg/L	1	2/24/2025 5:54:00 PM
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Analytical Report

Work Order: 2502393

Date Reported: 2/27/2025

Client: GeoEngineers

Collection Date: 2/20/2025 2:20:00 PM

Project: 701/709 South Jackson St.

Lab ID: 2502393-002

Matrix: Water

Client Sample ID: GEI-12_022025

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA 6020B

Batch ID: 46857

Analyst: ME

Lead

ND

0.300

µg/L

1

2/25/2025 7:28:00 PM

Client: GeoEngineers

Collection Date: 2/20/2025 3:15:00 PM

Project: 701/709 South Jackson St.

Lab ID: 2502393-003

Matrix: Water

Client Sample ID: GEI-13_022025

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx

Batch ID: 46849

Analyst: AP

Diesel Range Organics	164	94.5		µg/L	1	2/25/2025 5:01:51 PM
Heavy Oil	ND	142		µg/L	1	2/25/2025 5:01:51 PM
Total Petroleum Hydrocarbons	ND	236		µg/L	1	2/25/2025 5:01:51 PM
Surr: 2-Fluorobiphenyl	75.7	50 - 150		%Rec	1	2/25/2025 5:01:51 PM
Surr: o-Terphenyl	81.7	50 - 150		%Rec	1	2/25/2025 5:01:51 PM

NOTES:

Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material
Detection is biased high due to non-petroleum compounds

PAHs by EPA Method 8270E SIM

Batch ID: 46844

Analyst: SH

Naphthalene	ND	0.0961		µg/L	1	2/25/2025 1:50:42 PM
2-Methylnaphthalene	ND	0.0961		µg/L	1	2/25/2025 1:50:42 PM
1-Methylnaphthalene	ND	0.0961		µg/L	1	2/25/2025 1:50:42 PM
Surr: 2-Fluorobiphenyl	103	61.4 - 134		%Rec	1	2/25/2025 1:50:42 PM
Surr: Terphenyl-d14	130	43.2 - 155		%Rec	1	2/25/2025 1:50:42 PM

Gasoline by NWTPH-Gx

Batch ID: 46845

Analyst: LN

Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 4:37:57 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	2/21/2025 4:37:57 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	2/21/2025 4:37:57 PM

Volatile Organic Compounds by EPA 8260D

Batch ID: 46845

Analyst: LN

Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	2/21/2025 4:37:57 PM
Benzene	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	2/21/2025 4:37:57 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 4:37:57 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 4:37:57 PM
Surr: Dibromofluoromethane	115	70 - 130		%Rec	1	2/21/2025 4:37:57 PM
Surr: Toluene-d8	104	70 - 130		%Rec	1	2/21/2025 4:37:57 PM
Surr: 1-Bromo-4-fluorobenzene	102	70 - 130		%Rec	1	2/21/2025 4:37:57 PM



Analytical Report

Work Order: 2502393

Date Reported: 2/27/2025

Client: GeoEngineers

Collection Date: 2/20/2025 3:15:00 PM

Project: 701/709 South Jackson St.

Lab ID: 2502393-003

Matrix: Water

Client Sample ID: GEI-13_022025

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Dissolved Metals by EPA 6020B

Batch ID: 46847 Analyst: ME

Lead	ND	0.300		µg/L	1	2/24/2025 5:57:00 PM
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Total Metals by EPA 6020B

Batch ID: 46857 Analyst: ME

Lead	ND	0.300		µg/L	1	2/25/2025 7:31:00 PM
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Client: GeoEngineers

Collection Date: 2/20/2025 12:00:00 PM

Project: 701/709 South Jackson St.

Lab ID: 2502393-004

Matrix: Water

Client Sample ID: GEI-DUP_022025

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx

Batch ID: 46849

Analyst: AP

Diesel Range Organics	264	94.1		µg/L	1	2/25/2025 5:13:36 PM
Heavy Oil	ND	141		µg/L	1	2/25/2025 5:13:36 PM
Total Petroleum Hydrocarbons	264	235		µg/L	1	2/25/2025 5:13:36 PM
Surr: 2-Fluorobiphenyl	78.0	50 - 150		%Rec	1	2/25/2025 5:13:36 PM
Surr: o-Terphenyl	87.4	50 - 150		%Rec	1	2/25/2025 5:13:36 PM

NOTES:

Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material
Detection is biased high due to non-petroleum compounds

PAHs by EPA Method 8270E SIM

Batch ID: 46844

Analyst: SH

Naphthalene	ND	0.0962		µg/L	1	2/25/2025 2:07:17 PM
2-Methylnaphthalene	ND	0.0962		µg/L	1	2/25/2025 2:07:17 PM
1-Methylnaphthalene	ND	0.0962		µg/L	1	2/25/2025 2:07:17 PM
Surr: 2-Fluorobiphenyl	99.1	61.4 - 134		%Rec	1	2/25/2025 2:07:17 PM
Surr: Terphenyl-d14	124	43.2 - 155		%Rec	1	2/25/2025 2:07:17 PM

Gasoline by NWTPH-Gx

Batch ID: 46845

Analyst: LN

Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 5:04:21 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	2/21/2025 5:04:21 PM
Surr: 4-Bromofluorobenzene	99.8	65 - 135		%Rec	1	2/21/2025 5:04:21 PM

Volatile Organic Compounds by EPA 8260D

Batch ID: 46845

Analyst: LN

Methyl tert-butyl ether (MTBE)	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
1,2-Dichloroethane (EDC)	ND	0.200		µg/L	1	2/21/2025 5:04:21 PM
Benzene	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	2/21/2025 5:04:21 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 5:04:21 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 5:04:21 PM
Surr: Dibromofluoromethane	113	70 - 130		%Rec	1	2/21/2025 5:04:21 PM
Surr: Toluene-d8	102	70 - 130		%Rec	1	2/21/2025 5:04:21 PM
Surr: 1-Bromo-4-fluorobenzene	102	70 - 130		%Rec	1	2/21/2025 5:04:21 PM



Analytical Report

Work Order: 2502393

Date Reported: 2/27/2025

Client: GeoEngineers

Collection Date: 2/20/2025 12:00:00 PM

Project: 701/709 South Jackson St.

Lab ID: 2502393-004

Matrix: Water

Client Sample ID: GEI-DUP_022025

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Dissolved Metals by EPA 6020B

Batch ID: 46847

Analyst: ME

Lead	ND	0.300		µg/L	1	2/24/2025 6:00:00 PM
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Total Metals by EPA 6020B

Batch ID: 46857

Analyst: ME

Lead	ND	0.300		µg/L	1	2/25/2025 7:35:00 PM
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Analytical Report

Work Order: 2502393

Date Reported: 2/27/2025

Client: GeoEngineers

Collection Date: 2/20/2025

Project: 701/709 South Jackson St.

Lab ID: 2502393-005

Matrix: Water

Client Sample ID: Trip Blank-022025

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 46845

Analyst: LN

Gasoline Range Organics	ND	50.0		µg/L	1	2/21/2025 3:18:43 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	2/21/2025 3:18:43 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	2/21/2025 3:18:43 PM

Volatile Organic Compounds by EPA 8260D

Batch ID: 46845

Analyst: LN

Benzene	ND	0.100		µg/L	1	2/21/2025 3:18:43 PM
Toluene	ND	0.100		µg/L	1	2/21/2025 3:18:43 PM
Ethylbenzene	ND	0.100		µg/L	1	2/21/2025 3:18:43 PM
m,p-Xylene	ND	0.200		µg/L	1	2/21/2025 3:18:43 PM
o-Xylene	ND	0.100		µg/L	1	2/21/2025 3:18:43 PM
Surr: Dibromofluoromethane	111	70 - 130		%Rec	1	2/21/2025 3:18:43 PM
Surr: Toluene-d8	101	70 - 130		%Rec	1	2/21/2025 3:18:43 PM
Surr: 1-Bromo-4-fluorobenzene	102	70 - 130		%Rec	1	2/21/2025 3:18:43 PM

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: ICB		SampType: ICB			Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: ICB		Batch ID: 46847			Analysis Date: 2/24/2025				SeqNo: 2038588			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	ND	0.300									
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Sample ID: ICV		SampType: ICV		Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: ICV		Batch ID: 46847		Analysis Date: 2/24/2025			SeqNo: 2038589				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	49.4	0.300	50.00	0	98.7	90	110				
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Sample ID: ICSA		SampType: ICSA		Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: ICSA		Batch ID: 46847		Analysis Date: 2/24/2025			SeqNo: 2038590				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	ND	0.300	0.6120	0	2.78		100				
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Sample ID: CCV-A		SampType: CCV		Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: CCV		Batch ID: 46847					Analysis Date: 2/24/2025			SeqNo: 2038598	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	50.4	0.300	50.00	0	101	90	110				
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Sample ID: CCB-A		SampType: CCB		Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: CCB		Batch ID: 46847					Analysis Date: 2/24/2025			SeqNo: 2038599	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	ND	0.300									
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Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: MB-46847		SampType: MBLK		Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847			
Client ID: MBLKW		Batch ID: 46847					Analysis Date: 2/24/2025			SeqNo: 2038600		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead ND 0.300

Sample ID: LCS-46847		SampType: LCS			Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: LCSW		Batch ID: 46847			Analysis Date: 2/24/2025			SeqNo: 2038601				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead 49.5 0.300 50.00 0 99.0 80 120

Sample ID: 2502393-001CDUP		SampType: DUP			Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: GEI-11_022025		Batch ID: 46847						Analysis Date: 2/24/2025			SeqNo: 2038603	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead ND 0.300 0 20

Sample ID: 2502393-001CMS		SampType: MS			Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: GEI-11_022025		Batch ID: 46847						Analysis Date: 2/24/2025			SeqNo: 2038604	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead 51.9 0.300 50.00 0 104 75 125

Sample ID: 2502393-001CMSD		SampType: MSD			Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: GEI-11_022025		Batch ID: 46847						Analysis Date: 2/24/2025			SeqNo: 2038605	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead 52.8 0.300 50.00 0 106 75 125 51.86 1.71 20

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Dissolved Metals by EPA 6020B

Sample ID: CCV-B		SampType: CCV			Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: CCV		Batch ID: 46847			Analysis Date: 2/24/2025			SeqNo: 2038610				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	51.8	0.300	50.00	0	104	90	110				
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Sample ID: CCB-B		SampType: CCB			Units: µg/L		Prep Date: 2/24/2025			RunNo: 97847		
Client ID: CCB		Batch ID: 46847			Analysis Date: 2/24/2025			SeqNo: 2038611				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	ND	0.300									
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Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: ICB	SampType: ICB	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: ICB	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039055			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.300

Sample ID: ICV	SampType: ICV	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: ICV	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039056			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 50.1 0.300 50.00 0 100 90 110

Sample ID: ICSA	SampType: ICSA	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: ICSA	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039057			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.300 0.6120 0 3.27 100

Sample ID: CCV-A	SampType: CCV	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: CCV	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039058			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 49.5 0.300 50.00 0 99.1 90 110

Sample ID: CCB-A	SampType: CCB	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: CCB	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039059			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.300

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: CCV-B		SampType: CCV			Units: µg/L		Prep Date: 2/25/2025			RunNo: 97868		
Client ID: CCV		Batch ID: 46857			Analysis Date: 2/25/2025			SeqNo: 2039065				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	50.6	0.300	50.00	0	101	90	110				
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Sample ID: CCB-B		SampType: CCB			Units: µg/L		Prep Date: 2/25/2025			RunNo: 97868		
Client ID: CCB		Batch ID: 46857			Analysis Date: 2/25/2025			SeqNo: 2039066				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	ND	0.300									
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Sample ID: CCV-C		SampType: CCV			Units: µg/L		Prep Date: 2/25/2025			RunNo: 97868		
Client ID: CCV		Batch ID: 46857			Analysis Date: 2/25/2025					SeqNo: 2039071		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	52.5	0.300	50.00	0	105	90	110				
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Sample ID: CCB-C		SampType: CCB			Units: µg/L		Prep Date: 2/25/2025			RunNo: 97868		
Client ID: CCB		Batch ID: 46857			Analysis Date: 2/25/2025			SeqNo: 2039072				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	ND	0.300									
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Sample ID: CCV-D		SampType: CCV			Units: µg/L		Prep Date: 2/25/2025			RunNo: 97868		
Client ID: CCV		Batch ID: 46857			Analysis Date: 2/25/2025			SeqNo: 2039073				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Lead	53.3	0.300	50.00	0	107	90	110				
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Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: CCB-D	SampType: CCB	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: CCB	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039074			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.300

Sample ID: MB-46857	SampType: MBLK	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: MBLKW	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039075			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.300

Sample ID: LCS-46857	SampType: LCS	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: LCSW	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039076			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 55.2 0.300 50.00 0 110 80 120

Sample ID: 2502364-001BMS	SampType: MS	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: BATCH	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039078			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 52.9 0.300 50.00 1.001 104 75 125

Sample ID: 2502364-001BMSD	SampType: MSD	Units: µg/L			Prep Date: 2/25/2025			RunNo: 97868			
Client ID: BATCH	Batch ID: 46857				Analysis Date: 2/25/2025			SeqNo: 2039080			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 53.5 0.300 50.00 1.001 105 75 125 52.93 1.05 20

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: CCV-E		SampType: CCV		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97868			
Client ID: CCV		Batch ID: 46857				Analysis Date: 2/25/2025		SeqNo: 2039085			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.5	0.300	50.00	0	105	90	110				

Sample ID: CCB-E		SampType: CCB		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97868			
Client ID: CCB		Batch ID: 46857				Analysis Date: 2/25/2025		SeqNo: 2039086			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: CCV-F		SampType: CCV		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97868			
Client ID: CCV		Batch ID: 46857				Analysis Date: 2/25/2025		SeqNo: 2039097			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	52.8	0.300	50.00	0	106	90	110				

Sample ID: CCB-F		SampType: CCB		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97868			
Client ID: CCB		Batch ID: 46857				Analysis Date: 2/25/2025		SeqNo: 2039098			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Sample ID: CCV-G		SampType: CCV		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97868			
Client ID: CCV		Batch ID: 46857				Analysis Date: 2/25/2025		SeqNo: 2039103			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	54.2	0.300	50.00	0	108	90	110				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT
Total Metals by EPA 6020B

Sample ID: CCB-G		SampType: CCB			Units: µg/L		Prep Date: 2/25/2025		RunNo: 97868		
Client ID: CCB		Batch ID: 46857			Analysis Date: 2/25/2025				SeqNo: 2039104		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.300									

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: HO ICB		SampType: ICB			Units: mg/Kg		Prep Date: 4/9/2024			RunNo: 90866		
Client ID: ICB		Batch ID: 46849			Analysis Date: 4/9/2024					SeqNo: 1894779		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	10.3		10.00		103	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Sample ID: HO ICV		SampType: ICV			Units: mg/Kg		Prep Date: 4/9/2024			RunNo: 90866		
Client ID: ICV		Batch ID: 46849			Analysis Date: 4/9/2024			SeqNo: 1894787				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Heavy Oil	584	100	500.0	0	117	70	130				
Surr: 2-Fluorobiphenyl	9.88		10.00		98.8	50	150				
Surr: o-Terphenyl	9.93		10.00		99.3	50	150				

Sample ID: DX ICB		SampType: ICB			Units: mg/Kg		Prep Date: 4/9/2024			RunNo: 90866		
Client ID: ICB		Batch ID: 46849			Analysis Date: 4/9/2024			SeqNo: 1894788				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Diesel Range Organics	ND	50.0									
Surr: 2-Fluorobiphenyl	9.97		10.00		99.7	50	150				
Surr: o-Terphenyl	10.6		10.00		106	50	150				

Sample ID: DX ICV		SampType: ICV			Units: mg/Kg		Prep Date: 4/9/2024			RunNo: 90866		
Client ID: ICV		Batch ID: 46849			Analysis Date: 4/9/2024			SeqNo: 1894796				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Diesel Range Organics	478	50.0	500.0	0	95.6	70	130				
Surr: 2-Fluorobiphenyl	9.42		10.00		94.2	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: OIL-CCV-46849A		SampType: CCV			Units: µg/L		Prep Date: 2/25/2025			RunNo: 97856		
Client ID: CCV		Batch ID: 46849			Analysis Date: 2/25/2025			SeqNo: 2038763				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Heavy Oil	488	150	500.0	0	97.6	85	115				
Surr: 2-Fluorobiphenyl	7.69		10.00		76.9	50	150				
Surr: o-Terphenyl	8.16		10.00		81.6	50	150				

Sample ID: DX-CCV-46849A		SampType: CCV			Units: µg/L		Prep Date: 2/25/2025			RunNo: 97856		
Client ID: CCV		Batch ID: 46849			Analysis Date: 2/25/2025			SeqNo: 2038764				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Diesel Range Organics	481	100	500.0	0	96.1	85	115				
Surr: 2-Fluorobiphenyl	9.37		10.00		93.7	50	150				
Surr: o-Terphenyl	10.7		10.00		107	50	150				

Sample ID: MB-46849		SampType: MBLK			Units: µg/L		Prep Date: 2/24/2025			RunNo: 97856		
Client ID: MBLKW		Batch ID: 46849			Analysis Date: 2/25/2025					SeqNo: 2038765		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Diesel Range Organics	ND	100									
Heavy Oil	ND	150									
Total Petroleum Hydrocarbons	ND	250									
Surr: 2-Fluorobiphenyl	19.5		25.00		77.9	50	150				
Surr: o-Terphenyl	19.9		25.00		79.7	50	150				

Sample ID: LCS-46849		SampType: LCS			Units: µg/L		Prep Date: 2/24/2025			RunNo: 97856		
Client ID: LCSW		Batch ID: 46849			Analysis Date: 2/25/2025			SeqNo: 2038766				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Petroleum Hydrocarbons	998	250	1,250	0	79.8	47.5	118				
Surr: 2-Fluorobiphenyl	18.8		25.00		75.3	50	150				
Surr: o-Terphenyl	21.4		25.00		85.4	50	150				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: LCSD-46849		SampType: LCSD		Units: µg/L		Prep Date: 2/24/2025		RunNo: 97856			
Client ID: LCSW02		Batch ID: 46849				Analysis Date: 2/25/2025		SeqNo: 2038767			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,000	250	1,250	0	80.4	47.5	118	997.6	0.705	30	
Surr: 2-Fluorobiphenyl	19.0		25.00		76.1	50	150		0		
Surr: o-Terphenyl	22.4		25.00		89.6	50	150		0		

Sample ID: OIL-CCV-46849B		SampType: CCV		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97856			
Client ID: CCV		Batch ID: 46849				Analysis Date: 2/25/2025		SeqNo: 2038769			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	501	150	500.0	0	100	85	115				
Surr: 2-Fluorobiphenyl	7.88		10.00		78.8	50	150				
Surr: o-Terphenyl	8.37		10.00		83.7	50	150				

Sample ID: DX-CCV-46849B		SampType: CCV		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97856			
Client ID: CCV		Batch ID: 46849				Analysis Date: 2/25/2025		SeqNo: 2038770			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	486	100	500.0	0	97.1	85	115				
Surr: 2-Fluorobiphenyl	9.36		10.00		93.6	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Sample ID: OIL-CCV-46849C		SampType: CCV		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97856			
Client ID: CCV		Batch ID: 46849				Analysis Date: 2/25/2025		SeqNo: 2040215			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	512	150	500.0	0	102	85	115				
Surr: 2-Fluorobiphenyl	7.78		10.00		77.8	50	150				
Surr: o-Terphenyl	8.33		10.00		83.3	50	150				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: DX-CCV-46849C		SampType: CCV		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97856			
Client ID: CCV		Batch ID: 46849				Analysis Date: 2/25/2025		SeqNo: 2040217			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	488	100	500.0	0	97.6	85	115				
Surr: 2-Fluorobiphenyl	9.65		10.00		96.5	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT
PAHs by EPA Method 8270E SIM

Sample ID: PAH ICB		SampType: ICB		Units: µg/L		Prep Date: 2/5/2025		RunNo: 97466			
Client ID: ICB		Batch ID: 46844				Analysis Date: 2/5/2025		SeqNo: 2031002			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.670	0.0200									
2-Methylnaphthalene	0.337	0.0200									
1-Methylnaphthalene	0.295	0.0200									
Surr: 2-Fluorobiphenyl	496		500.0		99.2	50.4	142				
Surr: Terphenyl-d14 (surr)	555		500.0		111	48.8	157				

Sample ID: PAH ICV		SampType: ICV		Units: µg/L		Prep Date: 2/5/2025		RunNo: 97466			
Client ID: ICV		Batch ID: 46844				Analysis Date: 2/5/2025		SeqNo: 2031003			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,040	0.0200	1,000	0	104	70	130				
2-Methylnaphthalene	1,160	0.0200	1,000	0	116	70	130				
1-Methylnaphthalene	1,020	0.0200	1,000	0	102	70	130				
Surr: 2-Fluorobiphenyl	535		500.0		107	69.5	150				
Surr: Terphenyl-d14 (surr)	556		500.0		111	71.6	145				

Sample ID: CCV-46844A		SampType: CCV		Units: µg/L		Prep Date: 2/24/2025		RunNo: 97891			
Client ID: CCV		Batch ID: 46844				Analysis Date: 2/24/2025		SeqNo: 2039551			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	951	0.100	1,000	0	95.1	80	120				
2-Methylnaphthalene	1,060	0.100	1,000	0	106	80	120				
1-Methylnaphthalene	976	0.100	1,000	0	97.6	80	120				
Surr: 2-Fluorobiphenyl	479		500.0		95.8	70.2	145				
Surr: Terphenyl-d14	505		500.0		101	71.3	142				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: MB-46844		SampType: MBLK		Units: µg/L		Prep Date: 2/21/2025			RunNo: 97891			
Client ID: MBLKW		Batch ID: 46844					Analysis Date: 2/24/2025			SeqNo: 2039552		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Naphthalene	ND	0.100									
2-Methylnaphthalene	ND	0.100									
1-Methylnaphthalene	ND	0.100									
Surr: 2-Fluorobiphenyl	2.31		2.500		92.2	12.8	129				
Surr: Terphenyl-d14	2.65		2.500		106	12.7	150				

Sample ID: LCS-46844		SampType: LCS			Units: µg/L		Prep Date: 2/21/2025			RunNo: 97891		
Client ID: LCSW		Batch ID: 46844			Analysis Date: 2/24/2025			SeqNo: 2039553				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Naphthalene	3.65	0.100	5.000	0	72.9	47.8	102				
2-Methylnaphthalene	4.22	0.100	5.000	0	84.5	43.7	106				
1-Methylnaphthalene	3.85	0.100	5.000	0	76.9	49.4	105				
Surr: 2-Fluorobiphenyl	2.41		2.500		96.4	61.4	134				
Surr: Terphenyl-d14	2.63		2.500		105	43.2	155				

Sample ID: LCSD-46844		SampType: LCSD			Units: µg/L		Prep Date: 2/21/2025			RunNo: 97891		
Client ID: LCSW02		Batch ID: 46844			Analysis Date: 2/24/2025			SeqNo: 2039554				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Naphthalene	3.65	0.100	5.000	0	73.0	47.8	102	3.646	0.156	30	
2-Methylnaphthalene	4.25	0.100	5.000	0	85.1	43.7	106	4.225	0.653	30	
1-Methylnaphthalene	3.87	0.100	5.000	0	77.3	49.4	105	3.845	0.575	30	
Surr: 2-Fluorobiphenyl	2.43		2.500		97.3	61.4	134		0		
Surr: Terphenyl-d14	2.66		2.500		106	43.2	155		0		

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT
PAHs by EPA Method 8270E SIM

Sample ID: CCV-46844B		SampType: CCV		Units: µg/L		Prep Date: 2/25/2025		RunNo: 97891			
Client ID: CCV		Batch ID: 46844				Analysis Date: 2/25/2025		SeqNo: 2039587			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	950	0.100	1,000	0	95.0	80	120				
2-Methylnaphthalene	1,040	0.100	1,000	0	104	80	120				
1-Methylnaphthalene	974	0.100	1,000	0	97.4	80	120				
Surr: 2-Fluorobiphenyl	489		500.0		97.9	70.2	145				
Surr: Terphenyl-d14	524		500.0		105	71.3	142				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: ICB	SampType: ICB	Units: µg/L			Prep Date: 1/23/2025				RunNo: 97187		
Client ID: ICB	Batch ID: 46845	Analysis Date: 1/23/2025					SeqNo: 2025736				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	23.9		25.00		95.6	65	135				
Surr: 4-Bromofluorobenzene	23.6		25.00		94.4	65	135				

Sample ID: ICV		SampType: ICV		Units: µg/L		Prep Date: 1/23/2025			RunNo: 97187		
Client ID: ICV		Batch ID: 46845					Analysis Date: 1/23/2025			SeqNo: 2025737	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	413	50.0	500.0	0	82.7	80	120				
Surr: Toluene-d8	23.6		25.00		94.5	65	135				
Surr: 4-Bromofluorobenzene	24.5		25.00		98.1	65	135				

Sample ID: GX CCV 46845A		SampType: CCV		Units: µg/L		Prep Date: 2/21/2025			RunNo: 97824		
Client ID: CCV		Batch ID: 46845					Analysis Date: 2/21/2025			SeqNo: 2038027	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	526	50.0	500.0	0	105	80	120				
Surr: Toluene-d8	24.7		25.00		98.9	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Sample ID: LCS-46845	SampType: LCS	Units: µg/L				Prep Date: 2/21/2025			RunNo: 97824		
Client ID: LCSW	Batch ID: 46845					Analysis Date: 2/21/2025			SeqNo: 2038036		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	526	50.0	500.0	0	105	65	135				
Surr: Toluene-d8	24.7		25.00		98.9	65	135				
Surr: 4-Bromofluorobenzene	25.2		25.00		101	65	135				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: MB-46845		SampType: MBLK			Units: µg/L		Prep Date: 2/21/2025			RunNo: 97824		
Client ID: MBLKW		Batch ID: 46845			Analysis Date: 2/21/2025					SeqNo: 2038028		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Gasoline Range Organics	ND	50.0									
Surr: Toluene-d8	25.1		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.5		25.00		102	65	135				

Sample ID: 2502393-004ADUP		SampType: DUP			Units: µg/L		Prep Date: 2/21/2025			RunNo: 97824		
Client ID: GEI-DUP_022025		Batch ID: 46845			Analysis Date: 2/21/2025			SeqNo: 2038034				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Gasoline Range Organics	ND	50.0						0		30	
Surr: Toluene-d8	25.2		25.00		101	65	135		0		
Surr: 4-Bromofluorobenzene	24.8		25.00		99.4	65	135		0		

Sample ID: GX CCV 46845B		SampType: CCV			Units: µg/L		Prep Date: 2/21/2025			RunNo: 97824		
Client ID: CCV		Batch ID: 46845			Analysis Date: 2/21/2025			SeqNo: 2038035				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Gasoline Range Organics	576	50.0	500.0	0	115	80	120				
Surr: Toluene-d8	25.1		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.6		25.00		102	65	135				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: ICB	SampType: ICB	Units: µg/L			Prep Date: 2/14/2025			RunNo: 97689			
Client ID: ICB	Batch ID: 97826				Analysis Date: 2/14/2025			SeqNo: 2036302			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.0100									
1,2-Dichloroethane (EDC)	ND	0.00500									
Benzene	ND	0.00500									
Toluene	ND	0.0100									
1,2-Dibromoethane (EDB)	0.00236	0.000250									
Ethylbenzene	ND	0.0100									
m,p-Xylene	ND	0.0100									
o-Xylene	ND	0.0100									
Surr: Dibromofluoromethane	27.5		25.00		110	70	130				
Surr: Toluene-d8	25.6		25.00		102	70	130				
Surr: 1-Bromo-4-fluorobenzene	25.2		25.00		101	70	130				

Sample ID: ICV	SampType: ICV	Units: µg/L				Prep Date: 2/14/2025			RunNo: 97689		
Client ID: ICV	Batch ID: 97826					Analysis Date: 2/14/2025			SeqNo: 2036303		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	5.10	0.0100	5.000	0	102	70	130				
1,2-Dichloroethane (EDC)	5.03	0.00500	5.000	0	101	70	130				
Benzene	4.87	0.00500	5.000	0	97.4	70	130				
Toluene	4.71	0.0100	5.000	0	94.2	70	130				
1,2-Dibromoethane (EDB)	5.62	0.000250	5.000	0	112	70	130				
Ethylbenzene	4.97	0.0100	5.000	0	99.4	70	130				
m,p-Xylene	9.95	0.0100	10.00	0	99.5	70	130				
o-Xylene	5.23	0.0100	5.000	0	105	70	130				
Surr: Dibromofluoromethane	26.5		25.00		106	70	130				
Surr: Toluene-d8	25.6		25.00		103	70	130				
Surr: 1-Bromo-4-fluorobenzene	25.7		25.00		103	70	130				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT
Volatile Organic Compounds by EPA 8260D

Sample ID: SIM W CCV 46825A		SampType: CCV		Units: µg/L		Prep Date: 2/21/2025		RunNo: 97826			
Client ID: CCV		Batch ID: 46845				Analysis Date: 2/21/2025		SeqNo: 2038064			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	4.51	0.100	5.000	0	90.3	80	120				
1,2-Dichloroethane (EDC)	4.55	0.200	5.000	0	91.1	80	120				
Benzene	4.86	0.100	5.000	0	97.1	80	120				
Toluene	4.45	0.100	5.000	0	89.0	80	120				
1,2-Dibromoethane (EDB)	5.07	0.0100	5.000	0	101	80	120				
Ethylbenzene	4.60	0.100	5.000	0	92.1	80	120				
m,p-Xylene	9.51	0.200	10.00	0	95.1	80	120				
o-Xylene	4.79	0.100	5.000	0	95.8	80	120				
Surr: Dibromofluoromethane	27.8		25.00		111	80	120				
Surr: Toluene-d8	25.1		25.00		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.0		25.00		104	80	120				

Sample ID: LCS-46845		SampType: LCS		Units: µg/L		Prep Date: 2/21/2025		RunNo: 97826			
Client ID: LCSW		Batch ID: 46845				Analysis Date: 2/21/2025		SeqNo: 2038073			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	4.51	0.100	5.000	0	90.3	80	120				
1,2-Dichloroethane (EDC)	4.55	0.200	5.000	0	91.1	80	120				
Benzene	4.86	0.100	5.000	0	97.1	80	120				
Toluene	4.45	0.100	5.000	0	89.0	80	120				
1,2-Dibromoethane (EDB)	5.07	0.0100	5.000	0	101	80	120				
Ethylbenzene	4.60	0.100	5.000	0	92.1	80	120				
m,p-Xylene	9.51	0.200	10.00	0	95.1	80	120				
o-Xylene	4.79	0.100	5.000	0	95.8	80	120				
Surr: Dibromofluoromethane	27.8		25.00		111	80	120				
Surr: Toluene-d8	25.1		25.00		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.0		25.00		104	80	120				

Work Order: 2502393
CLIENT: GeoEngineers
Project: 701/709 South Jackson St.

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: MB-46845	SampType: MBLK	Units: µg/L			Prep Date: 2/21/2025			RunNo: 97826			
Client ID: MBLKW	Batch ID: 46845				Analysis Date: 2/21/2025			SeqNo: 2038065			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.100									
1,2-Dichloroethane (EDC)	ND	0.200									
Benzene	ND	0.100									
Toluene	ND	0.100									
1,2-Dibromoethane (EDB)	ND	0.0100									
Ethylbenzene	ND	0.100									
m,p-Xylene	ND	0.200									
o-Xylene	ND	0.100									
Surr: Dibromofluoromethane	27.8		25.00		111	70	130				
Surr: Toluene-d8	25.7		25.00		103	70	130				
Surr: 1-Bromo-4-fluorobenzene	25.9		25.00		104	70	130				

Sample ID: 2502393-004ADUP	SampType: DUP	Units: µg/L			Prep Date: 2/21/2025			RunNo: 97826			
Client ID: GEI-DUP_022025	Batch ID: 46845				Analysis Date: 2/21/2025			SeqNo: 2038071			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.100						0		30	
1,2-Dichloroethane (EDC)	ND	0.200						0		30	
Benzene	ND	0.100						0		30	
Toluene	ND	0.100						0		30	
1,2-Dibromoethane (EDB)	ND	0.0100						0		30	
Ethylbenzene	ND	0.100						0		30	
m,p-Xylene	ND	0.200						0		30	
o-Xylene	ND	0.100						0		30	
Surr: Dibromofluoromethane	28.2		25.00		113	70	130		0		
Surr: Toluene-d8	25.1		25.00		100	70	130		0		
Surr: 1-Bromo-4-fluorobenzene	25.1		25.00		100	70	130		0		

Client Name: GEI
Logged by: Morgan Wilson

Work Order Number: 2502393
Date Received: 2/20/2025 4:24:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes ☐ No ☐ Not Present ☒
4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all items received at a temperature of >2°C to 6°C * Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☒ No ☐ NA ☐
HNO₃, HCL
NA ☐
10. Is there headspace in the VOA vials? Yes ☐ No ☒
11. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
12. Does paperwork match bottle labels? Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all hold times (except field parameters, pH e.g.) able to be met? Yes ☒ No ☐

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☒ No ☐ NA ☐

Person Notified:	Robert Trahan	Date:	2/20/2025
By Whom:	Morgan Wilson	Via:	☒ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	EDB Limit, PAHs, Sample 3 ID		
Client Instructions:	MTCA Limit, Add PAHs, Sample 3 ID per bottles		

17. Additional remarks:

Item Information

Item #	Temp °C
Sample	4.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
ANALYTICAL
An Alliance Technical Group Company

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 02.20.2024

Page: 1 of 1

Project Name: 701/709 South Jackson St

Project No: 24504-001-04

Collected by: Nathan Solomon

Location: SEATTLE, WA

Report To (PM): ROBERT TRAYNOR

Laboratory Project No (Internal): 2502393

Special Remarks:

DRG. LEAD = FIELD FILTER
(PRESERVED BOTTLE)

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Client: GEOENGINEERS INC.

Address:

City, State, Zip:

Telephone:

Email(s): RTRAYNOR@GEOENGINEERS.COM

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	SVOCS (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	TOTAL / DB / LEAD / EDB / EDC / METS	Comments
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1 GEI-11-022025 2.20.25 1325 W 7 X X X X X X X X X X

2 GEI-12-022025 1420 7 X X X X X X X X X X

3 GEI-12-022025 1515 7 X X X X X X X X X X

4 GEI-DX-022025 1200 7 X X X X X X X X X X

5 TRP BLANK-022025 -- 1 X X X X X X X X X X

6

7

8

9

10

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

Relinquished (Signature) Print Name Date/Time Received (Signature) Print Name Date/Time

Relinquished (Signature) Print Name Date/Time Received (Signature) Print Name Date/Time

