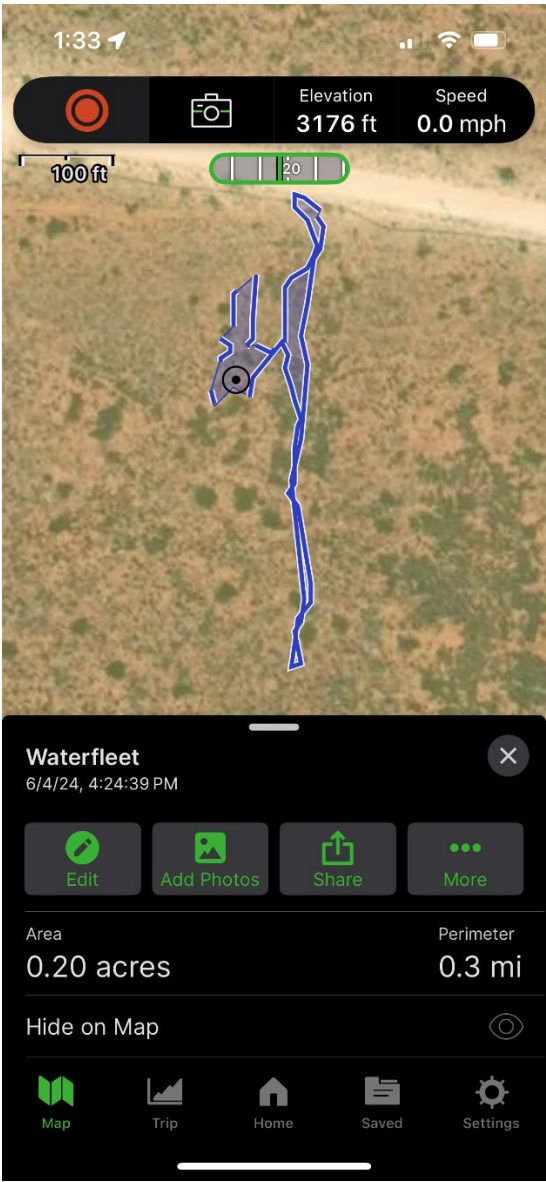


0.20 ac * 325,851 ac/ft * 0.75ft deep * 0.1 inch/inch available water capacity= 19,867

gal /42 BBL = 116 BBL



Plant-available water holding capacities of various textured soil.

Soil Texture	Plant-Available Water Holding Capacity (inches of water per foot of soil)
Very coarse sands	0.4 - 0.75
Coarse sands, fine sands, loamy sands	0.75 - 1.25
Sandy loams, fine sandy loams	1.25 - 1.75
Very fine sandy loams, loams, silt loams	1.50 - 2.30
Clay loams, silty clay loams, sandy clay loams	1.75 - 2.50
Sandy clays, silty clays, clays	1.60 - 2.50

³Adapted from: Schwankl, L.J. and T. Prichard. 2009. University of California Drought Management Web Site. <http://UCManageDrought.ucdavis.edu>. Viewed Aug. 13, 2009.

Incident ID: nAPP2421258466
REMEDIATION AND CLOSURE REPORT
Waterfleet Remediation
Produced Water Release
Lea County, New Mexico

Latitude: 32.38436
Longitude: -103.69877

LAI Project No: 25-0100-01

March 31, 2025

Prepared for:
Select Water Solutions, LLC
PO Box 1715
Gainesville, TX 76241

Prepared by:
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Appendix C	Well Record and Log
Appendix D	Laboratory Reports
Appendix E	NMOCD Communications
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Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release
March 31, 2025

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI) has prepared this remediation and closure report on behalf of Select Water Solutions, LLC (Select) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I for a produced water release at the Waterfleet (Site) located in Unit N, Section 17, Township 22 South, Range 32 East in Lea County, New Mexico. The geodetic position is 32.38436, -103.69877. Figure 1 presents a topographic map.

1.1 Background

The release was discovered on June 6, 2024, and was caused by a vehicle striking a lay flat line used for water transfer operations. About 116 barrels (bbls) of produced water were released onto the caliche pad, covering an area of approximately 5,325 square feet. About 10 bbls of produced water were recovered and 106 bbls were lost. The surface owner is the federal government managed by Bureau of Land Management (BLM). The notification of release (NOR) was submitted to the NMOCD on July 30, 2024, and assigned incident number nAPP2421258466. Appendix A presents the NOR.

1.2 Physical Setting

The physical setting is as follows:

- Surface elevation is approximately 3,676 feet above mean sea level (msl).
- Surface topography slopes gently to the north.
- The nearest continuously flowing water course (Pecos River) is located about 21.8 miles to the southwest.
- The nearest lakebed, sinkhole, or playa lake is located about 1.4 miles to the southwest.
- The nearest wetland is located about 0.52 miles to the northwest.
- The nearest subsurface mine is located about 9.5 miles to the northwest.
- The nearest 100-year flood plain is located 12.7 miles to the northwest.
- The nearest active water well for stock watering is located about 1.42 miles to the west.
- BLM karst occurrence potential data designates the area as low risk.
- The soils are designated as Pyote and Maljamar fine sands (PU), where the Pyote setting consists of 30 inches of fine sand underlain by 30 inches of fine sandy loam; and the Maljamar setting consists of 24 inches of fine sand, underlain by 26 inches of sandy clay loam, and 10 inches of cemented material (caliche).
- The geology is described as Holocene to middle Pleistocene Eolian and piedmont deposits, composed of interlayered eolian sands and piedmont-slope deposits.
- Groundwater was reported at greater than 59.7 feet below ground surface (bgs), based on a dry groundwater determination borehole drilled on November 20, 2024, and gauged on December 2, 2024, at the Site (C-04907).

Appendix B presents the karst potential map. Appendix C presents the well record and log for C-04907.

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1.3 Remediation Standards

The following delineation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC for groundwater between 51 and 100 feet bgs:

Parameter	Limit
Benzene	10 mg/Kg
BTEX	50 mg/Kg
TPH	2,500 mg/Kg
Chloride	10,000 mg/Kg

Furthermore, 19.15.29.13 NMAC (Restoration, Reclamation and Re-Vegetation) requires the operator to restore the impacted surface area that existed prior to the release or their final land use.

3.0 DELINEATION

On August 5, 2025, and August 19, 2025, Earth Systems Response and Restoration (ESRR) collected 49 delineation soil samples from 25 locations (HA-1 through HA-25). Samples collected on August 5, 2024, were analyzed by Eurofins Laboratories in Midland, Texas, for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA SW-846 Method 8021B; total petroleum hydrocarbons (TPH), including gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by EPA SW-846 Method 8015M; and chloride by EPA Method 300. Samples collected on August 19, 2024, were analyzed for chloride.

Eurofins reported that the lowermost samples from all locations were below the NMOCD delineation limits for benzene, BTEX, and TPH, of 10 mg/kg, 50 mg/kg, and 100 mg/kg, respectfully. Chloride was reported above the delineation limit of 600 mg/kg in the lowermost sample from 10 sample locations, including HA-1 (1,060 mg/kg), HA-2 (709 mg/kg), HA-3 (1,710 mg/kg), HA-5 (7,910 mg/kg), HA-7 (8,060 mg/kg), HA-17 (2,290 mg/kg), HA-18 (2,760 mg/kg), HA-19 (5,230 mg/kg), HA-20 (5,520 mg/kg), and HA-21 (1,380 mg/kg).

On January 17, 2025, LAI personnel used a stainless-steel hand trowel to collect 10 delineation grab samples from locations where laboratory analysis previously reported chloride above the delineation limit. All samples were collected at a depth 4.5 feet bgs. The samples were delivered under chain-of-custody and preservation to Eurofins in Midland, Texas, where they were analyzed for BTEX, TPH, and chloride, by the above analytical methods.

Eurofins reported that benzene, BTEX, and TPH, were below the delineation limits of 10, 50, and 100 mg/kg, respectfully. Chloride was reported above the delineation limit of 600 mg/kg, in the lowermost sample from three (3) locations, including HA-2 (2,340 mg/Kg), HA-5 (810 mg/kg), and HA-18 (735 mg/kg).

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On February 10, 2025, LAI personnel collected delineation samples from three (3) locations, where laboratory analysis reported chloride above the delineation limit, including samples HA-2, HA-5, and HA-18. The samples were collected with a stainless-steel hand trowel after the locations were excavated by Apeck Construction (Apeck). Eurofins analyzed the samples for BTEX, TPH, and chloride and reported that all samples were below NMOCD delineation limits.

Laboratory analysis demonstrates that the release was fully delineated to the delineation standards in Table I of 19.15.29.12 NMAC for groundwater between 50 and 100 feet bgs. Table 1 presents the delineation soil sample analytical data table. Figure 2 presents the delineation soil sample location map. Appendix D presents the laboratory reports.

4.0 REMEDIATION/RECLAMATION

Between January 16 and February 14, 2025, Apeck, under the guidance of LAI personnel, excavated and disposed of approximately 1,696 cubic yards of impacted soil from an area of about 7,100 square feet to a depth of about 4.5 feet bgs. The impacted soil was disposed of at Lea Land disposal facility in Lea County, New Mexico. LAI personnel collected a total of 61 five-point confirmation soil samples from the excavation from 56 locations, each representing about 200 square feet, and five additional samples from locations where chloride exceeded NMOCD closure criteria.

On January 20, 2025, LAI personnel collected 56 samples from the bottom (C-1 through C-36) and the sidewalls (C-37 through C-56) after the initial excavation was completed. Eurofins analyzed the samples and reported that all samples were below NMOCD closure criteria for benzene, BTEX, and TPH. Chloride was reported above closure criteria in five samples, including C-40 (1,330 mg/kg), C-42 (5,590 mg/kg), C-43 (7,630 mg/kg), C-52 (1,080 mg/kg), and C-53 (761 mg/kg). Sampling notification was submitted to the NMOCD on January 16, 2025.

On February 14, 2025, LAI personnel collected five (5) confirmation samples from the excavation after additional remediation was completed at locations where chloride concentrations were previously reported above closure criteria, including C-40, C-42, C-43, C-52, and C-53. Eurofins analyzed the samples and reported that all samples were below the closure criteria for benzene, BTEX, TPH, and chloride. Sampling notification was submitted to the NMOCD on February 12, 2025.

Laboratory analysis demonstrates that benzene, BTEX, TPH, and chloride were remediated below the NMOCD closure standards listed in Table 1 of 19.15.29 NMAC, in samples collected from the bottoms and sidewalls of the excavation. Table 2 presents the confirmation sample analytical summary. Figure 3 presents an aerial map with the excavation areas and confirmation sample locations. Appendix D presents the laboratory reports. Appendix E presents the sampling notifications.

On February 11, 2025, LAI personnel collect two (2) composite backfill samples (BF-1 and BF-2) from a borrow pit located in Unit H, Section 3, Township 22 South, Range 32 East, in Lea County, New

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Mexico. The samples were analyzed by Eurofins and were reported below the analytical method reporting limit for benzene, BTEX, and TPH. Chloride was reported at 90.9 mg/kg (BF-1) and 150 mg/kg (BF-2), below the NMOCD requirements prescribed in 19.15.29.13D(1) NMAC. Between February 25 and 28, 2025, Apeck backfilled the excavation with 2,640 cubic yards of non-waste containing backfill material collected from the borrow pit and restored the surface area to that which existed prior to the release. Appendix D presents the laboratory reports. Appendix F presents the photographic documentation.

5.0 CLOSURE REQUEST

Select requests closure for nAPP2421258466.

Tables

Table 1
Delineation Soil Sample Analytical Data Summary
Waterfleet - Layflat Hose
Lea County, New Mexico
32.38442, -103.69888

Sample ID	Depth Feet	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limits:				10	50				100	600
HA-1	0.5	08/05/2024 ¹	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	1,230
HA-1	4	08/05/2024 ¹	Excavated	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	1,060
HA-1	4.5	01/17/2025 ²	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	140
HA-2	0.5	08/05/2024 ¹	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	238
HA-2	4	08/05/2024 ¹	Excavated	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	709
HA-2	4.5	01/17/2025 ²	In-situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	2,340
HA-2	6.5	02/10/2025 ²	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	266
HA-3	0.5	08/05/2024 ¹	Excavated	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	164
HA-3	4	08/05/2024 ¹	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,710
HA-3	4.5	01/17/2025 ²	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	30.6
HA-4	0.5	08/05/2024 ¹	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	32.3
HA-4	2	08/05/2024 ¹	In-situ	<0.00204	<0.00204	<49.8	<49.8	<49.8	<49.8	44.6
HA-4	4	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	5.6
HA-5	0.5	08/05/2024 ¹	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	226
HA-5	4	08/05/2024 ¹	Excavated	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	7,910
HA-5	4.5	01/17/2025 ²	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	810
HA-5	5.5	02/10/2025 ²	In-situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	11.4
HA-6	0.5	08/05/2024 ¹	In-situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	168
HA-6	2	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	61.8
HA-6	4	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	42.2
HA-7	0.5	08/05/2024 ¹	Excavated	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	4,260
HA-7	4	08/05/2024 ¹	Excavated	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	8,060
HA-7	4.5	01/17/2025 ²	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	268
HA-8	0.5	08/05/2024 ¹	In-situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	27.2
HA-8	2	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<5.04
HA-8	4	08/05/2024 ¹	In-situ	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	23.4
HA-9	0.5	08/05/2024 ¹	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	12.6
HA-9	4	08/05/2024 ¹	In-situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	9.4
HA-10	0.5	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	12.1
HA-10	4	08/05/2024 ¹	In-situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	6.2

Table 1
Delineation Soil Sample Analytical Data Summary
Waterfleet - Layflat Hose
Lea County, New Mexico
32.38442, -103.69888

Sample ID	Depth Feet	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limits:				10	50				100	600
HA-11	0.5	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	6.5
HA-11	4	08/05/2024 ¹	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	52.7
HA-12	0.5	08/05/2024 ¹	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	1,120
HA-12	4	08/05/2024 ¹	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	31.6
HA-13	0.5	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	13.9
HA-13	2	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	59.2
HA-14	0.5	08/05/2024 ¹	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	71.5
HA-14	4	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	26.1
HA-15	0.5	08/05/2024 ¹	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	177
HA-15	4	08/05/2024 ¹	In-situ	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	40.9
HA-16	0.5	08/05/2024 ¹	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	22.0
HA-16	4	08/05/2024 ¹	In-situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	6.4
HA-17	4.5	08/19/2024 ¹	Excavated	--	--	--	--	--	--	2,290
HA-17	4.5	01/17/2025 ²	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	566
HA-18	0.5	08/19/2024 ¹	Excavated	--	--	--	--	--	--	1,150
HA-18	4	08/19/2024 ¹	Excavated	--	--	--	--	--	--	2,760
HA-18	4.5	01/17/2025 ²	In-situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	735
HA-18	6.5	02/10/2025 ²	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	248
HA-19	0.5	08/19/2024 ¹	Excavated	--	--	--	--	--	--	1,110
HA-19	4	08/19/2024 ¹	Excavated	--	--	--	--	--	--	5,230
HA-19	4.5	01/17/2025 ²	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	58.1
HA-20	0.5	08/19/2024 ¹	Excavated	--	--	--	--	--	--	286
HA-20	4	08/19/2024 ¹	Excavated	--	--	--	--	--	--	5,520
HA-20	4.5	01/17/2025 ²	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	252
HA-21	5	08/19/2024 ¹	Excavated	--	--	--	--	--	--	1,380
HA-21	4.5	01/17/2025 ²	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	78.4
HA-22	1	08/19/2024 ¹	In-situ	--	--	--	--	--	--	279
HA-22	2	08/19/2024 ¹	In-situ	--	--	--	--	--	--	1,230
HA-22	3	08/19/2024 ¹	In-situ	--	--	--	--	--	--	141
HA-23	0.5	08/19/2024 ¹	In-situ	--	--	--	--	--	--	130

Table 1
Delineation Soil Sample Analytical Data Summary
Waterfleet - Layflat Hose
Lea County, New Mexico
32.38442, -103.69888

Sample ID	Depth Feet	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limits:				10	50				100	600
HA-24	0.5	08/19/2024 ¹	In-situ	--	--	--	--	--	--	55.5
HA-25	0.5	08/19/2024 ¹	In-situ	--	--	--	--	--	--	20.7

Notes:

Analysis performed by Eurofins Laboratories (Eurofins), in Midland, Texas, by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and EPA Method 300 (chloride).

¹ : Sample collected by Earth Systems (ES)

² : Sample collected by Larson & Associates (LAI)

BTEX: benzene, toluene, ethylbenzene, xylene

TPH: total petroleum hydrocarbons

GRO: gasoline range organics (C6-C10)

DRO: diesel range organics (>C10-C28)

MRO: oil range organics (>C28-C36)

mg/Kg: milligrams per kilogram; equivalent to parts per million (ppm)

<: indicates that parameter concentration is below analytical method reporting limit

Depth reported in feet below ground surface (bgs)

Bold and highlighted indicates parameter concentration is above NMOCD delineation limits

Table 2
Confirmation Soil Sample Analytical Data Summary
Select - Waterfleet Remediation
Lea County, New Mexico
32.38442, -103.69888

Sample ID	Depth (feet)	Location	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				2,500	10,000
C-1	4.5	Bottom	01/20/2025	In-situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<9.96
C-2	4.5	Bottom	01/20/2025	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<9.92
C-3	4.5	Bottom	01/20/2025	In-situ	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<10.1
C-4	4.5	Bottom	01/20/2025	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	74.1
C-5	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	1,170
C-6	4.5	Bottom	01/20/2025	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	97.0
C-7	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	11.6
C-8	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	477
C-9	4.5	Bottom	01/20/2025	In-situ	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	22.2
C-10	4.5	Bottom	01/20/2025	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	760
C-11	4.5	Bottom	01/20/2025	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	932
C-12	4.5	Bottom	01/20/2025	In-situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	1,820
C-13	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	1,140
C-14	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	313
C-15	4.5	Bottom	01/20/2025	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	234
C-16	4.5	Bottom	01/20/2025	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	117
C-17	4.5	Bottom	01/20/2025	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	71.5
C-18	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	20.5
C-19	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	161
C-20	4.5	Bottom	01/20/2025	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<10.1
C-21	4.5	Bottom	01/20/2025	In-situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	120
C-22	4.5	Bottom	01/20/2025	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	64.6
C-23	4.5	Bottom	01/20/2025	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	47.3
C-24	4.5	Bottom	01/20/2025	In-situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	3,340
C-25	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	77.5
C-26	4.5	Bottom	01/20/2025	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	948
C-27	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	852
C-28	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	530

Table 2
Confirmation Soil Sample Analytical Data Summary
Select - Waterfleet Remediation
Lea County, New Mexico
32.38442, -103.69888

Sample ID	Depth (feet)	Location	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				2,500	10,000
C-29	4.5	Bottom	01/20/2025	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	4,160
C-30	4.5	Bottom	01/20/2025	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	123
C-31	4.5	Bottom	01/20/2025	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	107
C-32	4.5	Bottom	01/20/2025	In-situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	121
C-33	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	124
C-34	4.5	Bottom	01/20/2025	In-situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	114
C-35	4.5	Bottom	01/20/2025	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	186
C-36	4.5	Bottom	01/20/2025	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	52.2
C-37	0-4.5	Sidewall	01/20/2025	In-situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<10.0
C-38	0-4.5	Sidewall	01/20/2025	In-situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<10.0
C-39	0-4.5	Sidewall	01/20/2025	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	302
C-40	0-4.5	Sidewall	01/20/2025	Excavated	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	1,330
C-40	0-4.5	Sidewall	02/14/2025	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<9.92
C-41	0-4.5	Sidewall	01/20/2025	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	103
C-42	0-4.5	Sidewall	01/20/2025	Excavated	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	5,590
C-42	0-4.5	Sidewall	02/14/2025	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<10.1
C-43	0-4.5	Sidewall	01/20/2025	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	7,360
C-43	0-4.5	Sidewall	02/14/2025	In-situ	<0.00198	<0.00397	<50.3	<50.3	<50.3	<50.3	<10.0
C-44	0-4.5	Sidewall	01/20/2025	In-situ	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	13.7
C-45	0-4.5	Sidewall	01/20/2025	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	258
C-46	0-4.5	Sidewall	01/20/2025	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	32.5
C-47	0-4.5	Sidewall	01/20/2025	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	16.7
C-48	0-4.5	Sidewall	01/20/2025	In-situ	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	87.2
C-49	0-4.5	Sidewall	01/20/2025	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	13.7
C-50	0-4.5	Sidewall	01/20/2025	In-situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	55.5
C-51	0-4.5	Sidewall	01/20/2025	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<9.96
C-52	0-4.5	Sidewall	01/20/2025	Excavated	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	1,080
C-52	0-4.5	Sidewall	02/14/2025	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<9.94

Table 2
Confirmation Soil Sample Analytical Data Summary
Select - Waterfleet Remediation
Lea County, New Mexico
32.38442, -103.69888

Sample ID	Depth (feet)	Location	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				2,500	10,000
C-53	0-4.5	Sidewall	01/20/2025	Excavated	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	761
C-53	0-4.5	Sidewall	02/14/2025	In-situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	114
C-54	0-4.5	Sidewall	01/20/2025	In-situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	97.7
C-55	0-4.5	Sidewall	01/20/2025	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	146
C-56	0-4.5	Sidewall	01/20/2025	In-situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	35.4

Notes:

Analysis performed by Eurofins Laboratories (Eurofins), in Midland, Texas, by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and EPA Method 300 (chloride).

mg/Kg: milligrams per kilogram; equivalent to parts per million (ppm).

BTEX: benzene, toluene, ethylbenzene, xylene

TPH: total petroleum hydrocarbons

GRO: gasoline range organics (C1-C10)

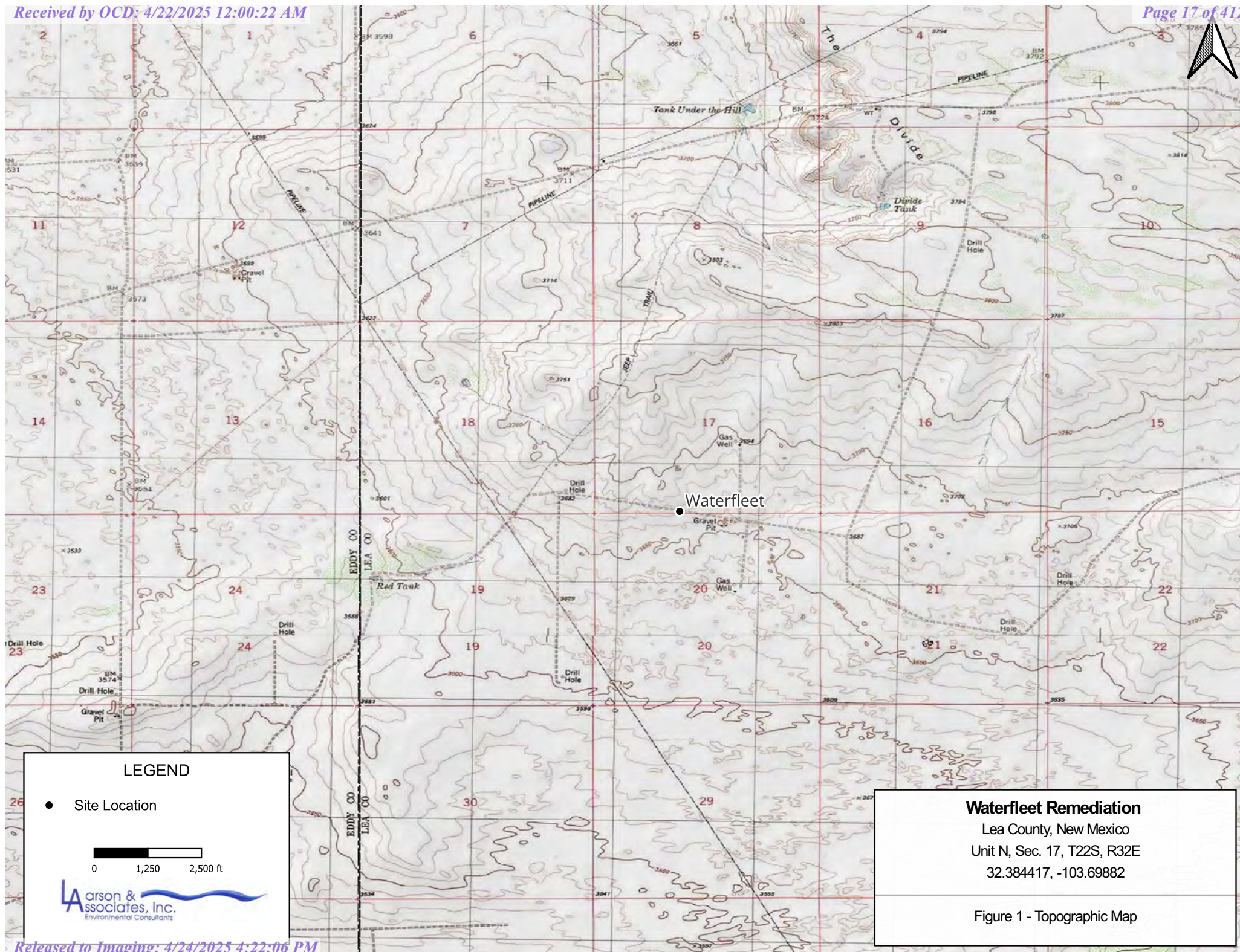
DRO: diesel range organics (>C10-C28)

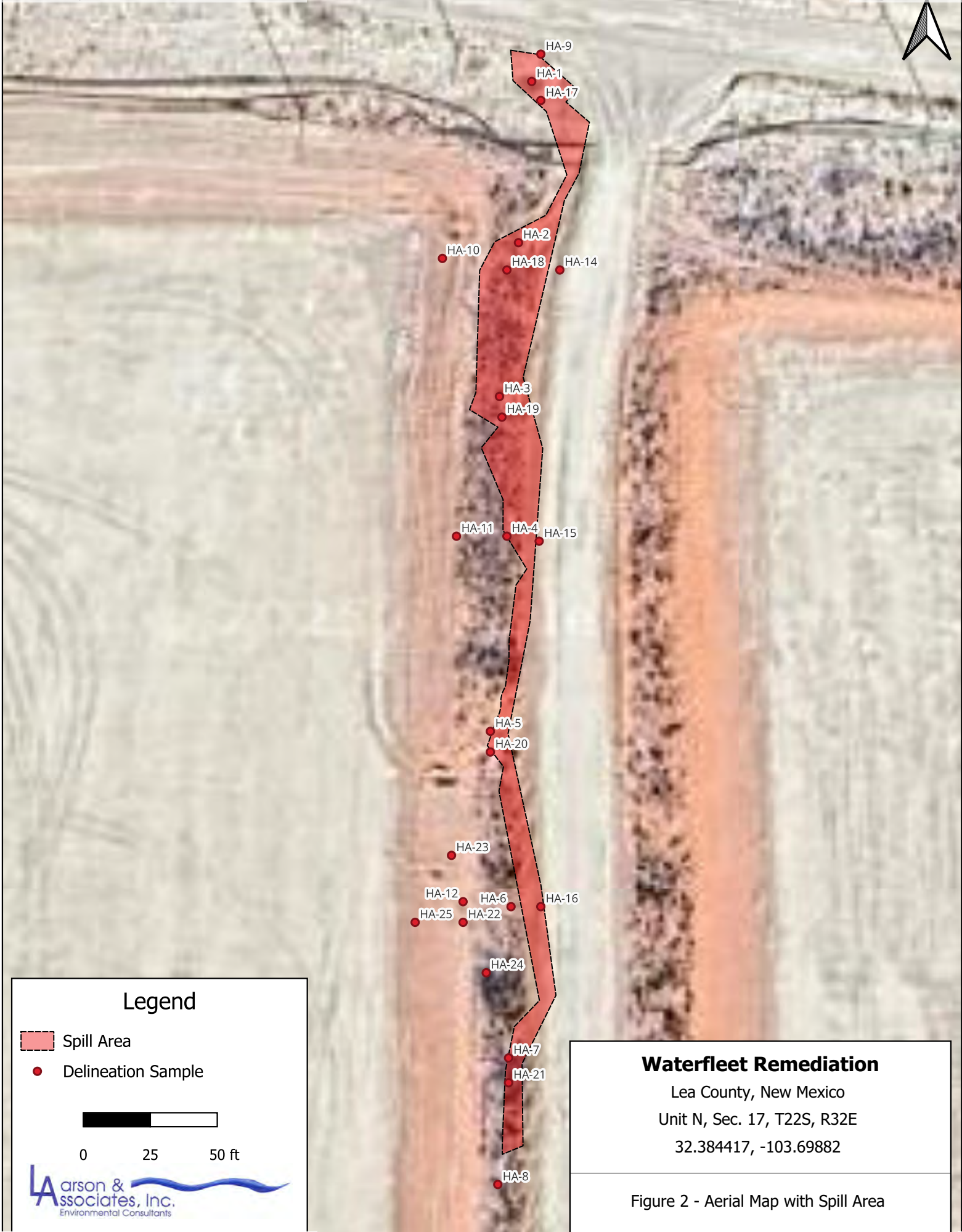
MRO: oil range organics (>C28-C36)

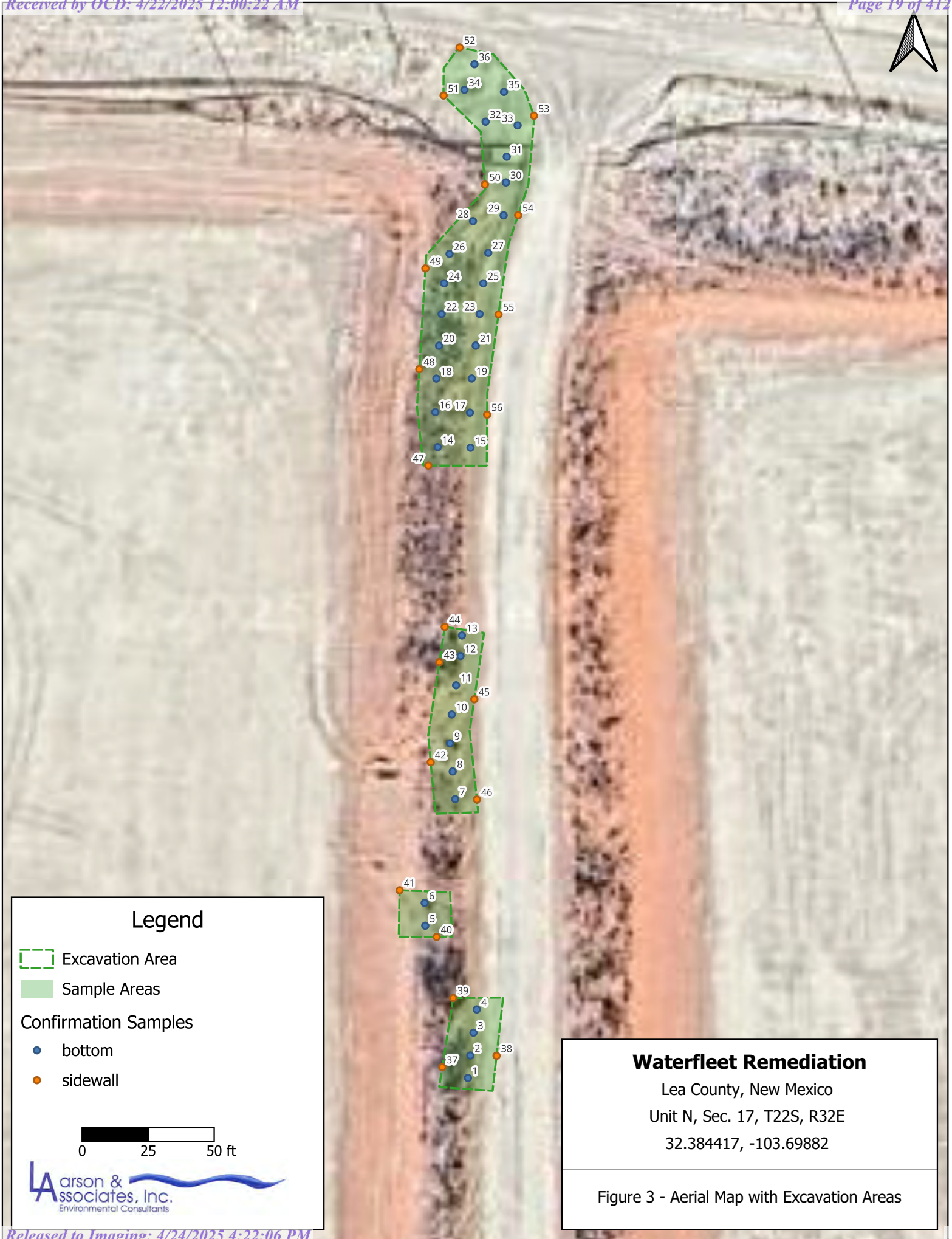
<: indicates that parameter concentration is below method analytical reporting limit.

Bold and highlighted indicates parameter concentration is above NMOCD closure criteria.

Figures







Legend

- Excavation Area
- Sample Areas

Confirmation Samples

- bottom
- sidewall

0 25 50 ft



Waterfleet Remediation

Lea County, New Mexico
Unit N, Sec. 17, T22S, R32E
32.384417, -103.69882

Figure 3 - Aerial Map with Excavation Areas

Appendix A

Notification of Release

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 368629

QUESTIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 368629
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	WATERFLEET
Date Release Discovered	06/04/2024
Surface Owner	Federal

Incident Details <i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 116 BBL Recovered: 10 BBL Lost: 106 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Third party company struck line and admitted fault, Select tried to get third party to report and take responsibility but third party has been unwilling, causing delay in reporting.

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QUESTIONS, Page 2

Action 368629

QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 368629
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 368629

ACKNOWLEDGMENTS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 368629
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
☒	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
☒	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 368629

CONDITIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 368629
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
timsanbricker	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/30/2024

Appendix B

Karst Potential



Waterfleet

LEGEND

- Site Location

Karst Risk Potential

-  Critical
-  High
-  Medium
-  Low



0 100 200 ft



Appendix C

Well Record and Log



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C 04907 POD1		WELL TAG ID NO.		OSE FILE NO(S).		
	WELL OWNER NAME(S) Select Water Solutions				PHONE (OPTIONAL) 575-200-7551		
	WELL OWNER MAILING ADDRESS 1502 E. Greene St				CITY STATE ZIP Carlsbad NM 88220		
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LATITUDE	32	23			
	LONGITUDE	103	41	55.60	W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE N, 17, T22S, R32E							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1755		NAME OF LICENSED DRILLER John Norris			NAME OF WELL DRILLING COMPANY Hungry Horse		
	DRILLING STARTED 11/20/24		DRILLING ENDED 11/20/24		DEPTH OF COMPLETED WELL (FT) NA		BORE HOLE DEPTH (FT) 55	
					DEPTH WATER FIRST ENCOUNTERED (FT) NA			
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) NA		DATE STATIC MEASURED NA
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐	
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				No casing				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	10	6	bentonite chips	1.96	tremie
	10	55	6	native soil	8.84	shovel

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04907	POD NO. 1	TRN NO. 770587
LOCATION 22S. 32E. 17. 334	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	20	20	top soil, sand, and caliche	Y ☒ N	
	20	40	20	sand	Y ☒ N	
	40	55	15	sand and rock mix	Y ☒ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☒ OTHER – SPECIFY: not tested					TOTAL ESTIMATED WELL YIELD (gpm): 0	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Borehole was drilled and plugged according to approved drilling and plugging plans.	
	OSE DII ROSWELL NM 16 JAN '25 PM 1:52	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Dean Parent		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME John Norris DATE	1/10/25

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-04907	POD NO. 1	TRN NO. 770587			
LOCATION 22S.32E.17.334	WELL TAG ID NO. —			PAGE 2 OF 2	

Elizabeth K. Anderson, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 770587
File Nbr: C 04907
Well File Nbr: C 04907 POD1

Feb. 07, 2025

TIMSAN BRICKER
SELECT WATER SOLUTIONS, LLC
1502 E. GREENE ST
CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 10/29/2024.

The Well Record was received in this office on 01/16/2025, stating that it had been completed on 11/20/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 10/29/2025.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Rodolfo Chavez".

Rodolfo Chavez
(575) 622-6521

drywell



Sample Name: N/A Date: 12/2/2024
 Site Name: Waterfleet-Layflat Hose
 Incident Number: nAPP2421258466
 Job Number: 2360

LITHOLOGIC / SOIL SAMPLING LOG

Site Coordinates: 32.384280, -103.698800

Measured By: GL Method: Solinst Water Level Measure
 Hole Diameter: 4 inches Total Depth: 59.7 DTW: N/A

Comments: ESRR contracted by Select Water to gauge a recent OSE permitted boring, drilled by Hungry Horse, LLC. Upon completion by Hungry Horse, the boring was left open a minimum of 72 hours before ESRR gauged the boring. The boring did not have any fluids within the PVC casing and can be deemed a dry boring with DTW > 59.7 feet bgs. (ESRR did not oversee the drilling)

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes	Well Completion
Dry						0		No DTW was found within the PVC casing	Temporary PVC Casing Slotted PVC screen
						59.7			
Total Depth									

Appendix D

Laboratory Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 8/11/2024 11:38:42 PM

JOB DESCRIPTION

Select Water- Layflat Hose

JOB NUMBER

880-46962-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

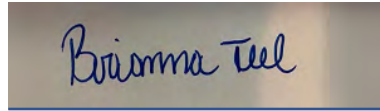
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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8/11/2024 11:38:42 PM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Laboratory Job ID: 880-46962-1

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: Earth Systems Response and Restoration
Project: Select Water- Layflat Hose

Job ID: 880-46962-1

Job ID: 880-46962-1

Eurofins Midland

Job Narrative 880-46962-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/6/2024 5:00 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 6.3°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-9 (880-46962-1), HA-9 (880-46962-2), HA-10 (880-46962-3), HA-10 (880-46962-4), HA-11 (880-46962-5), HA-11 (880-46962-6), HA-12 (880-46962-7), HA-12 (880-46962-8), HA-13 (880-46962-9), HA-13 (880-46962-10), HA-13 (880-46962-11), HA-14 (880-46962-12), HA-14 (880-46962-13), HA-15 (880-46962-14), HA-15 (880-46962-15), HA-16 (880-46962-16) and HA-16 (880-46962-17).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87732 and analytical batch 880-87823 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-87732 and analytical batch 880-87823 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-46962-A-1-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-87724 and analytical batch 880-88017 was outside the control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87724 and analytical batch 880-88017 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-14 (880-46962-13), HA-16 (880-46962-16), HA-16 (880-46962-17) and (880-46962-A-6-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-87728 and analytical batch 880-87812 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC

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

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Case Narrative

Client: Earth Systems Response and Restoration
Project: Select Water- Layflat Hose

Job ID: 880-46962-1

Job ID: 880-46962-1 (Continued)

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-9

Lab Sample ID: 880-46962-1

Date Collected: 08/05/24 10:00

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 12:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 12:13	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		08/07/24 11:06	08/08/24 12:13	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402		mg/Kg		08/07/24 11:06	08/08/24 12:13	1
o-Xylene	<0.00201	U F2 F1	0.00201		mg/Kg		08/07/24 11:06	08/08/24 12:13	1
Xylenes, Total	<0.00402	U F2 F1	0.00402		mg/Kg		08/07/24 11:06	08/08/24 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/07/24 11:06	08/08/24 12:13	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/07/24 11:06	08/08/24 12:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/08/24 12:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/09/24 21:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 09:36	08/09/24 21:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 09:36	08/09/24 21:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 09:36	08/09/24 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	08/07/24 09:36	08/09/24 21:23	1
o-Terphenyl	87		70 - 130	08/07/24 09:36	08/09/24 21:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		4.97		mg/Kg			08/08/24 20:35	1

Client Sample ID: HA-9

Lab Sample ID: 880-46962-2

Date Collected: 08/05/24 11:02

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 12:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 12:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 12:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/07/24 11:06	08/08/24 12:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 12:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/07/24 11:06	08/08/24 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/07/24 11:06	08/08/24 12:33	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-9

Lab Sample ID: 880-46962-2

Date Collected: 08/05/24 11:02

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	113		70 - 130	08/07/24 11:06	08/08/24 12:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/08/24 12:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/09/24 21:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 09:36	08/09/24 21:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 09:36	08/09/24 21:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 09:36	08/09/24 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/07/24 09:36	08/09/24 21:40	1
o-Terphenyl	89		70 - 130				08/07/24 09:36	08/09/24 21:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.41		4.98		mg/Kg			08/08/24 20:41	1

Client Sample ID: HA-10

Lab Sample ID: 880-46962-3

Date Collected: 08/05/24 10:02

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 12:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 12:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 12:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 12:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 12:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/07/24 11:06	08/08/24 12:54	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/07/24 11:06	08/08/24 12:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/24 12:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/09/24 21:57	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-10

Lab Sample ID: 880-46962-3

Date Collected: 08/05/24 10:02

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 09:36	08/09/24 21:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 09:36	08/09/24 21:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 09:36	08/09/24 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				08/07/24 09:36	08/09/24 21:57	1
o-Terphenyl	97		70 - 130				08/07/24 09:36	08/09/24 21:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		5.02		mg/Kg			08/08/24 20:59	1

Client Sample ID: HA-10

Lab Sample ID: 880-46962-4

Date Collected: 08/05/24 11:02

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:06	08/08/24 13:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:06	08/08/24 13:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:06	08/08/24 13:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/07/24 11:06	08/08/24 13:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:06	08/08/24 13:14	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/07/24 11:06	08/08/24 13:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/07/24 11:06	08/08/24 13:14	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/07/24 11:06	08/08/24 13:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/08/24 13:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/09/24 22:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 09:36	08/09/24 22:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 09:36	08/09/24 22:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 09:36	08/09/24 22:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/07/24 09:36	08/09/24 22:14	1
o-Terphenyl	79		70 - 130				08/07/24 09:36	08/09/24 22:14	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-10

Lab Sample ID: 880-46962-4

Date Collected: 08/05/24 11:02

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.22		4.98		mg/Kg			08/08/24 21:05	1

Client Sample ID: HA-11

Lab Sample ID: 880-46962-5

Date Collected: 08/05/24 10:04

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 13:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 13:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 13:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 13:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 13:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 13:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/07/24 11:06	08/08/24 13:35	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/07/24 11:06	08/08/24 13:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/24 13:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/09/24 22:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 09:36	08/09/24 22:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 09:36	08/09/24 22:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 09:36	08/09/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/07/24 09:36	08/09/24 22:31	1
o-Terphenyl	89		70 - 130				08/07/24 09:36	08/09/24 22:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.45		4.97		mg/Kg			08/08/24 21:11	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-11

Lab Sample ID: 880-46962-6

Date Collected: 08/05/24 11:04

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 13:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 13:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 13:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/07/24 11:06	08/08/24 13:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 13:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/07/24 11:06	08/08/24 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/07/24 11:06	08/08/24 13:56	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/07/24 11:06	08/08/24 13:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/08/24 13:56	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 10:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1 F2	49.8		mg/Kg		08/07/24 10:22	08/08/24 10:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	49.8		mg/Kg		08/07/24 10:22	08/08/24 10:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 10:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/07/24 10:22	08/08/24 10:16	1
o-Terphenyl	106		70 - 130	08/07/24 10:22	08/08/24 10:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.7		4.97		mg/Kg			08/08/24 21:17	1

Client Sample ID: HA-12

Lab Sample ID: 880-46962-7

Date Collected: 08/05/24 10:06

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 14:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 14:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 14:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/07/24 11:06	08/08/24 14:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 14:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/07/24 11:06	08/08/24 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/07/24 11:06	08/08/24 14:16	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-12

Lab Sample ID: 880-46962-7

Date Collected: 08/05/24 10:06

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	111		70 - 130	08/07/24 11:06	08/08/24 14:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/08/24 14:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/24 11:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 11:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 11:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/07/24 10:22	08/08/24 11:59	1
o-Terphenyl	128		70 - 130				08/07/24 10:22	08/08/24 11:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		5.02		mg/Kg			08/08/24 21:23	1

Client Sample ID: HA-12

Lab Sample ID: 880-46962-8

Date Collected: 08/05/24 11:06

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/07/24 11:06	08/08/24 14:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/07/24 11:06	08/08/24 14:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/07/24 11:06	08/08/24 14:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/07/24 11:06	08/08/24 14:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/07/24 11:06	08/08/24 14:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/07/24 11:06	08/08/24 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/07/24 11:06	08/08/24 14:37	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/07/24 11:06	08/08/24 14:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/08/24 14:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 12:19	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-12

Lab Sample ID: 880-46962-8

Date Collected: 08/05/24 11:06

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 12:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 12:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/07/24 10:22	08/08/24 12:19	1
o-Terphenyl	99		70 - 130				08/07/24 10:22	08/08/24 12:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.6		4.98		mg/Kg			08/08/24 21:29	1

Client Sample ID: HA-13

Lab Sample ID: 880-46962-9

Date Collected: 08/05/24 10:08

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 14:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 14:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 14:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 14:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 14:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/07/24 11:06	08/08/24 14:58	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/07/24 11:06	08/08/24 14:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/24 14:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/24 12:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 12:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 12:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/07/24 10:22	08/08/24 12:40	1
o-Terphenyl	103		70 - 130				08/07/24 10:22	08/08/24 12:40	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-13

Lab Sample ID: 880-46962-9

Date Collected: 08/05/24 10:08

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		5.02		mg/Kg			08/08/24 21:47	1

Client Sample ID: HA-13

Lab Sample ID: 880-46962-10

Date Collected: 08/05/24 11:08

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 15:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 15:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 15:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 15:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 15:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/07/24 11:06	08/08/24 15:18	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/07/24 11:06	08/08/24 15:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/24 15:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/24 13:01	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 13:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 13:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/07/24 10:22	08/08/24 13:01	1
o-Terphenyl	112		70 - 130				08/07/24 10:22	08/08/24 13:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.2		5.01		mg/Kg			08/08/24 21:53	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-14

Lab Sample ID: 880-46962-12

Date Collected: 08/05/24 10:10

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 17:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 17:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 17:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/07/24 11:06	08/08/24 17:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 17:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/07/24 11:06	08/08/24 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/07/24 11:06	08/08/24 17:30	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/07/24 11:06	08/08/24 17:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/08/24 17:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/24 13:21	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 13:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 13:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	08/07/24 10:22	08/08/24 13:21	1
o-Terphenyl	92		70 - 130	08/07/24 10:22	08/08/24 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.5		5.02		mg/Kg			08/08/24 22:11	1

Client Sample ID: HA-14

Lab Sample ID: 880-46962-13

Date Collected: 08/05/24 11:12

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 17:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 17:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 17:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 17:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 17:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/07/24 11:06	08/08/24 17:51	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-14

Lab Sample ID: 880-46962-13

Date Collected: 08/05/24 11:12

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	113		70 - 130	08/07/24 11:06	08/08/24 17:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/24 17:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 13:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 13:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 13:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				08/07/24 10:22	08/08/24 13:42	1
o-Terphenyl	60	S1-	70 - 130				08/07/24 10:22	08/08/24 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.1		5.01		mg/Kg			08/08/24 22:17	1

Client Sample ID: HA-15

Lab Sample ID: 880-46962-14

Date Collected: 08/05/24 10:12

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 18:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 18:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 18:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 18:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:06	08/08/24 18:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:06	08/08/24 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/07/24 11:06	08/08/24 18:11	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/07/24 11:06	08/08/24 18:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/08/24 18:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 14:02	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-15

Lab Sample ID: 880-46962-14

Date Collected: 08/05/24 10:12

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 14:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 14:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/07/24 10:22	08/08/24 14:02	1
o-Terphenyl	107		70 - 130				08/07/24 10:22	08/08/24 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		4.99		mg/Kg			08/08/24 22:23	1

Client Sample ID: HA-15

Lab Sample ID: 880-46962-15

Date Collected: 08/05/24 11:14

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 18:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 18:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 18:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/07/24 11:06	08/08/24 18:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 18:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/07/24 11:06	08/08/24 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/07/24 11:06	08/08/24 18:32	1
1,4-Difluorobenzene (Surr)	108		70 - 130				08/07/24 11:06	08/08/24 18:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/08/24 18:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/08/24 14:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/07/24 10:22	08/08/24 14:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/07/24 10:22	08/08/24 14:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/07/24 10:22	08/08/24 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				08/07/24 10:22	08/08/24 14:23	1
o-Terphenyl	74		70 - 130				08/07/24 10:22	08/08/24 14:23	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-15

Lab Sample ID: 880-46962-15

Date Collected: 08/05/24 11:14

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.9		4.97		mg/Kg			08/08/24 22:29	1

Client Sample ID: HA-16

Lab Sample ID: 880-46962-16

Date Collected: 08/05/24 10:14

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 18:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 18:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 18:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/07/24 11:06	08/08/24 18:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:06	08/08/24 18:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/07/24 11:06	08/08/24 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/07/24 11:06	08/08/24 18:53	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/07/24 11:06	08/08/24 18:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/08/24 18:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 14:44	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 14:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 14:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130				08/07/24 10:22	08/08/24 14:44	1
o-Terphenyl	59	S1-	70 - 130				08/07/24 10:22	08/08/24 14:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.0		5.00		mg/Kg			08/08/24 22:35	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-16

Lab Sample ID: 880-46962-17

Date Collected: 08/05/24 11:16

Matrix: Solid

Date Received: 08/06/24 17:00

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 19:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 19:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 19:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/07/24 11:06	08/08/24 19:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 19:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/07/24 11:06	08/08/24 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/07/24 11:06	08/08/24 19:13	1
1,4-Difluorobenzene (Surr)	115		70 - 130	08/07/24 11:06	08/08/24 19:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/08/24 19:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/24 15:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 15:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 15:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130	08/07/24 10:22	08/08/24 15:25	1
o-Terphenyl	51	S1-	70 - 130	08/07/24 10:22	08/08/24 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.44		4.96		mg/Kg			08/08/24 22:41	1

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-46962-1	HA-9	94	112
880-46962-1 MS	HA-9	327 S1+	110
880-46962-1 MSD	HA-9	101	99
880-46962-2	HA-9	99	113
880-46962-3	HA-10	104	110
880-46962-4	HA-10	110	116
880-46962-5	HA-11	105	116
880-46962-6	HA-11	103	109
880-46962-7	HA-12	101	111
880-46962-8	HA-12	104	105
880-46962-9	HA-13	105	116
880-46962-10	HA-13	101	105
880-46962-12	HA-14	102	112
880-46962-13	HA-14	99	113
880-46962-14	HA-15	103	110
880-46962-15	HA-15	106	108
880-46962-16	HA-16	103	114
880-46962-17	HA-16	102	115
LCS 880-87732/1-A	Lab Control Sample	107	104
LCSD 880-87732/2-A	Lab Control Sample Dup	100	108
MB 880-87732/5-A	Method Blank	174 S1+	131 S1+
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-46961-A-9-B MS	Matrix Spike	98	92
880-46961-A-9-C MSD	Matrix Spike Duplicate	101	95
880-46962-1	HA-9	97	87
880-46962-2	HA-9	100	89
880-46962-3	HA-10	108	97
880-46962-4	HA-10	91	79
880-46962-5	HA-11	98	89
880-46962-6	HA-11	105	106
880-46962-6 MS	HA-11	71	64 S1-
880-46962-6 MSD	HA-11	103	92
880-46962-7	HA-12	126	128
880-46962-8	HA-12	97	99
880-46962-9	HA-13	104	103
880-46962-10	HA-13	111	112
880-46962-12	HA-14	90	92
880-46962-13	HA-14	61 S1-	60 S1-
880-46962-14	HA-15	106	107
880-46962-15	HA-15	81	74

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Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 880-46962-1

Project/Site: Select Water- Layflat Hose

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-46962-16	HA-16	59 S1-	59 S1-
880-46962-17	HA-16	59 S1-	51 S1-
LCS 880-87724/2-A	Lab Control Sample	108	103
LCS 880-87728/2-A	Lab Control Sample	114	117
LCSD 880-87724/3-A	Lab Control Sample Dup	102	94
LCSD 880-87728/3-A	Lab Control Sample Dup	105	109
MB 880-87724/1-A	Method Blank	205 S1+	175 S1+
MB 880-87728/1-A	Method Blank	83	90
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87732/5-A

Matrix: Solid

Analysis Batch: 87823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87732

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 11:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/07/24 11:06	08/08/24 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:06	08/08/24 11:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/07/24 11:06	08/08/24 11:44	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	174	S1+	70 - 130	08/07/24 11:06	08/08/24 11:44	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	08/07/24 11:06	08/08/24 11:44	1

Lab Sample ID: LCS 880-87732/1-A

Matrix: Solid

Analysis Batch: 87823

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87732

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09382		mg/Kg		94	70 - 130
Toluene	0.100	0.09061		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08921		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.2027		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1253		mg/Kg		125	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-87732/2-A

Matrix: Solid

Analysis Batch: 87823

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87732

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.1077		mg/Kg		108	70 - 130	14	35
Toluene	0.100	0.09764		mg/Kg		98	70 - 130	7	35
Ethylbenzene	0.100	0.09021		mg/Kg		90	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2003		mg/Kg		100	70 - 130	1	35
o-Xylene	0.100	0.1270		mg/Kg		127	70 - 130	1	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-46962-1 MS

Matrix: Solid

Analysis Batch: 87823

Client Sample ID: HA-9

Prep Type: Total/NA

Prep Batch: 87732

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00201	U	0.0998	0.1084		mg/Kg		109	70 - 130
Toluene	<0.00201	U	0.0998	0.07261		mg/Kg		73	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46962-1 MS

Matrix: Solid

Analysis Batch: 87823

Client Sample ID: HA-9

Prep Type: Total/NA

Prep Batch: 87732

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.0998	0.1438	F1	mg/Kg		144	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.5490	F1	mg/Kg		275	70 - 130
o-Xylene	<0.00201	U F2 F1	0.0998	0.3507	F1	mg/Kg		351	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	327	S1+	70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-46962-1 MSD

Matrix: Solid

Analysis Batch: 87823

Client Sample ID: HA-9

Prep Type: Total/NA

Prep Batch: 87732

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1043		mg/Kg		104	70 - 130	4	35
Toluene	<0.00201	U	0.100	0.09846		mg/Kg		98	70 - 130	30	35
Ethylbenzene	<0.00201	U F1	0.100	0.1008		mg/Kg		101	70 - 130	35	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.2284	F2	mg/Kg		114	70 - 130	82	35
o-Xylene	<0.00201	U F2 F1	0.100	0.1317	F1 F2	mg/Kg		131	70 - 130	91	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-87724/1-A

Matrix: Solid

Analysis Batch: 88017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87724

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 09:36	08/09/24 09:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 09:36	08/09/24 09:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 09:36	08/09/24 09:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	205	S1+	70 - 130	08/07/24 09:36	08/09/24 09:38	1
o-Terphenyl	175	S1+	70 - 130	08/07/24 09:36	08/09/24 09:38	1

Lab Sample ID: LCS 880-87724/2-A

Matrix: Solid

Analysis Batch: 88017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1118		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1001		mg/Kg		100	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-87724/2-A

Matrix: Solid

Analysis Batch: 88017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87724

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-87724/3-A

Matrix: Solid

Analysis Batch: 88017

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87724

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1094		mg/Kg		109	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	909.5		mg/Kg		91	70 - 130	10	20	
Surrogate		LCSD	LCSD									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	102		70 - 130									
o-Terphenyl	94		70 - 130									

Lab Sample ID: 880-46961-A-9-B MS

Matrix: Solid

Analysis Batch: 88017

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 87724

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	818.2		mg/Kg		82	70 - 130			
Diesel Range Organics (Over C10-C28)	156	F1	997	738.0	F1	mg/Kg		58	70 - 130			
Surrogate		MS	MS									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	98		70 - 130									
o-Terphenyl	92		70 - 130									

Lab Sample ID: 880-46961-A-9-C MSD

Matrix: Solid

Analysis Batch: 88017

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 87724

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	840.8		mg/Kg		84	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	156	F1	997	747.4	F1	mg/Kg		59	70 - 130	1	20	
Surrogate		MSD	MSD									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	101		70 - 130									
o-Terphenyl	95		70 - 130									

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-87728/1-A

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 07:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 07:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 07:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/07/24 10:22	08/08/24 07:53	1
o-Terphenyl	90		70 - 130				08/07/24 10:22	08/08/24 07:53	1

Lab Sample ID: LCS 880-87728/2-A

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	964.6		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	947.4		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	114		70 - 130				
o-Terphenyl	117		70 - 130				

Lab Sample ID: LCSD 880-87728/3-A

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	893.3		mg/Kg		89	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	857.4		mg/Kg		86	70 - 130	10	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 880-46962-6 MS

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: HA-11

Prep Type: Total/NA

Prep Batch: 87728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1 F2	993	1006		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	993	518.3	F1	mg/Kg		52	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-46962-6 MS

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: HA-11

Prep Type: Total/NA

Prep Batch: 87728

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	64	S1-	70 - 130

Lab Sample ID: 880-46962-6 MSD

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: HA-11

Prep Type: Total/NA

Prep Batch: 87728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1 F2	993	703.9	F1 F2	mg/Kg		68	70 - 130	35	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	993	757.6	F2	mg/Kg		76	70 - 130	38	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	92		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87790/1-A

Matrix: Solid

Analysis Batch: 87835

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/08/24 19:47	1

Lab Sample ID: LCS 880-87790/2-A

Matrix: Solid

Analysis Batch: 87835

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.7		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-87790/3-A

Matrix: Solid

Analysis Batch: 87835

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.0		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-46962-8 MS

Matrix: Solid

Analysis Batch: 87835

Client Sample ID: HA-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	31.6		249	284.1		mg/Kg		101	90 - 110

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-46962-8 MSD

Client Sample ID: HA-12

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 87835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.6		249	284.3		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

GC VOA

Prep Batch: 87732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-1	HA-9	Total/NA	Solid	5035	
880-46962-2	HA-9	Total/NA	Solid	5035	
880-46962-3	HA-10	Total/NA	Solid	5035	
880-46962-4	HA-10	Total/NA	Solid	5035	
880-46962-5	HA-11	Total/NA	Solid	5035	
880-46962-6	HA-11	Total/NA	Solid	5035	
880-46962-7	HA-12	Total/NA	Solid	5035	
880-46962-8	HA-12	Total/NA	Solid	5035	
880-46962-9	HA-13	Total/NA	Solid	5035	
880-46962-10	HA-13	Total/NA	Solid	5035	
880-46962-12	HA-14	Total/NA	Solid	5035	
880-46962-13	HA-14	Total/NA	Solid	5035	
880-46962-14	HA-15	Total/NA	Solid	5035	
880-46962-15	HA-15	Total/NA	Solid	5035	
880-46962-16	HA-16	Total/NA	Solid	5035	
880-46962-17	HA-16	Total/NA	Solid	5035	
MB 880-87732/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87732/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87732/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46962-1 MS	HA-9	Total/NA	Solid	5035	
880-46962-1 MSD	HA-9	Total/NA	Solid	5035	

Analysis Batch: 87823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-1	HA-9	Total/NA	Solid	8021B	87732
880-46962-2	HA-9	Total/NA	Solid	8021B	87732
880-46962-3	HA-10	Total/NA	Solid	8021B	87732
880-46962-4	HA-10	Total/NA	Solid	8021B	87732
880-46962-5	HA-11	Total/NA	Solid	8021B	87732
880-46962-6	HA-11	Total/NA	Solid	8021B	87732
880-46962-7	HA-12	Total/NA	Solid	8021B	87732
880-46962-8	HA-12	Total/NA	Solid	8021B	87732
880-46962-9	HA-13	Total/NA	Solid	8021B	87732
880-46962-10	HA-13	Total/NA	Solid	8021B	87732
880-46962-12	HA-14	Total/NA	Solid	8021B	87732
880-46962-13	HA-14	Total/NA	Solid	8021B	87732
880-46962-14	HA-15	Total/NA	Solid	8021B	87732
880-46962-15	HA-15	Total/NA	Solid	8021B	87732
880-46962-16	HA-16	Total/NA	Solid	8021B	87732
880-46962-17	HA-16	Total/NA	Solid	8021B	87732
MB 880-87732/5-A	Method Blank	Total/NA	Solid	8021B	87732
LCS 880-87732/1-A	Lab Control Sample	Total/NA	Solid	8021B	87732
LCSD 880-87732/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87732
880-46962-1 MS	HA-9	Total/NA	Solid	8021B	87732
880-46962-1 MSD	HA-9	Total/NA	Solid	8021B	87732

Analysis Batch: 87995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-1	HA-9	Total/NA	Solid	Total BTEX	
880-46962-2	HA-9	Total/NA	Solid	Total BTEX	
880-46962-3	HA-10	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

GC VOA (Continued)

Analysis Batch: 87995 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-4	HA-10	Total/NA	Solid	Total BTEX	
880-46962-5	HA-11	Total/NA	Solid	Total BTEX	
880-46962-6	HA-11	Total/NA	Solid	Total BTEX	
880-46962-7	HA-12	Total/NA	Solid	Total BTEX	
880-46962-8	HA-12	Total/NA	Solid	Total BTEX	
880-46962-9	HA-13	Total/NA	Solid	Total BTEX	
880-46962-10	HA-13	Total/NA	Solid	Total BTEX	
880-46962-12	HA-14	Total/NA	Solid	Total BTEX	
880-46962-13	HA-14	Total/NA	Solid	Total BTEX	
880-46962-14	HA-15	Total/NA	Solid	Total BTEX	
880-46962-15	HA-15	Total/NA	Solid	Total BTEX	
880-46962-16	HA-16	Total/NA	Solid	Total BTEX	
880-46962-17	HA-16	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 87724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-1	HA-9	Total/NA	Solid	8015NM Prep	
880-46962-2	HA-9	Total/NA	Solid	8015NM Prep	
880-46962-3	HA-10	Total/NA	Solid	8015NM Prep	
880-46962-4	HA-10	Total/NA	Solid	8015NM Prep	
880-46962-5	HA-11	Total/NA	Solid	8015NM Prep	
MB 880-87724/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87724/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87724/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46961-A-9-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-46961-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 87728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-6	HA-11	Total/NA	Solid	8015NM Prep	
880-46962-7	HA-12	Total/NA	Solid	8015NM Prep	
880-46962-8	HA-12	Total/NA	Solid	8015NM Prep	
880-46962-9	HA-13	Total/NA	Solid	8015NM Prep	
880-46962-10	HA-13	Total/NA	Solid	8015NM Prep	
880-46962-12	HA-14	Total/NA	Solid	8015NM Prep	
880-46962-13	HA-14	Total/NA	Solid	8015NM Prep	
880-46962-14	HA-15	Total/NA	Solid	8015NM Prep	
880-46962-15	HA-15	Total/NA	Solid	8015NM Prep	
880-46962-16	HA-16	Total/NA	Solid	8015NM Prep	
880-46962-17	HA-16	Total/NA	Solid	8015NM Prep	
MB 880-87728/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87728/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46962-6 MS	HA-11	Total/NA	Solid	8015NM Prep	
880-46962-6 MSD	HA-11	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-6	HA-11	Total/NA	Solid	8015B NM	87728

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

GC Semi VOA (Continued)

Analysis Batch: 87812 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-7	HA-12	Total/NA	Solid	8015B NM	87728
880-46962-8	HA-12	Total/NA	Solid	8015B NM	87728
880-46962-9	HA-13	Total/NA	Solid	8015B NM	87728
880-46962-10	HA-13	Total/NA	Solid	8015B NM	87728
880-46962-12	HA-14	Total/NA	Solid	8015B NM	87728
880-46962-13	HA-14	Total/NA	Solid	8015B NM	87728
880-46962-14	HA-15	Total/NA	Solid	8015B NM	87728
880-46962-15	HA-15	Total/NA	Solid	8015B NM	87728
880-46962-16	HA-16	Total/NA	Solid	8015B NM	87728
880-46962-17	HA-16	Total/NA	Solid	8015B NM	87728
MB 880-87728/1-A	Method Blank	Total/NA	Solid	8015B NM	87728
LCS 880-87728/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87728
LCSD 880-87728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87728
880-46962-6 MS	HA-11	Total/NA	Solid	8015B NM	87728
880-46962-6 MSD	HA-11	Total/NA	Solid	8015B NM	87728

Analysis Batch: 88017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-1	HA-9	Total/NA	Solid	8015B NM	87724
880-46962-2	HA-9	Total/NA	Solid	8015B NM	87724
880-46962-3	HA-10	Total/NA	Solid	8015B NM	87724
880-46962-4	HA-10	Total/NA	Solid	8015B NM	87724
880-46962-5	HA-11	Total/NA	Solid	8015B NM	87724
MB 880-87724/1-A	Method Blank	Total/NA	Solid	8015B NM	87724
LCS 880-87724/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87724
LCSD 880-87724/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87724
880-46961-A-9-B MS	Matrix Spike	Total/NA	Solid	8015B NM	87724
880-46961-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	87724

Analysis Batch: 88122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-1	HA-9	Total/NA	Solid	8015 NM	
880-46962-2	HA-9	Total/NA	Solid	8015 NM	
880-46962-3	HA-10	Total/NA	Solid	8015 NM	
880-46962-4	HA-10	Total/NA	Solid	8015 NM	
880-46962-5	HA-11	Total/NA	Solid	8015 NM	
880-46962-6	HA-11	Total/NA	Solid	8015 NM	
880-46962-7	HA-12	Total/NA	Solid	8015 NM	
880-46962-8	HA-12	Total/NA	Solid	8015 NM	
880-46962-9	HA-13	Total/NA	Solid	8015 NM	
880-46962-10	HA-13	Total/NA	Solid	8015 NM	
880-46962-12	HA-14	Total/NA	Solid	8015 NM	
880-46962-13	HA-14	Total/NA	Solid	8015 NM	
880-46962-14	HA-15	Total/NA	Solid	8015 NM	
880-46962-15	HA-15	Total/NA	Solid	8015 NM	
880-46962-16	HA-16	Total/NA	Solid	8015 NM	
880-46962-17	HA-16	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

HPLC/IC

Leach Batch: 87790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-1	HA-9	Soluble	Solid	DI Leach	
880-46962-2	HA-9	Soluble	Solid	DI Leach	
880-46962-3	HA-10	Soluble	Solid	DI Leach	
880-46962-4	HA-10	Soluble	Solid	DI Leach	
880-46962-5	HA-11	Soluble	Solid	DI Leach	
880-46962-6	HA-11	Soluble	Solid	DI Leach	
880-46962-7	HA-12	Soluble	Solid	DI Leach	
880-46962-8	HA-12	Soluble	Solid	DI Leach	
880-46962-9	HA-13	Soluble	Solid	DI Leach	
880-46962-10	HA-13	Soluble	Solid	DI Leach	
880-46962-12	HA-14	Soluble	Solid	DI Leach	
880-46962-13	HA-14	Soluble	Solid	DI Leach	
880-46962-14	HA-15	Soluble	Solid	DI Leach	
880-46962-15	HA-15	Soluble	Solid	DI Leach	
880-46962-16	HA-16	Soluble	Solid	DI Leach	
880-46962-17	HA-16	Soluble	Solid	DI Leach	
MB 880-87790/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87790/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87790/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46962-8 MS	HA-12	Soluble	Solid	DI Leach	
880-46962-8 MSD	HA-12	Soluble	Solid	DI Leach	

Analysis Batch: 87835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46962-1	HA-9	Soluble	Solid	300.0	87790
880-46962-2	HA-9	Soluble	Solid	300.0	87790
880-46962-3	HA-10	Soluble	Solid	300.0	87790
880-46962-4	HA-10	Soluble	Solid	300.0	87790
880-46962-5	HA-11	Soluble	Solid	300.0	87790
880-46962-6	HA-11	Soluble	Solid	300.0	87790
880-46962-7	HA-12	Soluble	Solid	300.0	87790
880-46962-8	HA-12	Soluble	Solid	300.0	87790
880-46962-9	HA-13	Soluble	Solid	300.0	87790
880-46962-10	HA-13	Soluble	Solid	300.0	87790
880-46962-12	HA-14	Soluble	Solid	300.0	87790
880-46962-13	HA-14	Soluble	Solid	300.0	87790
880-46962-14	HA-15	Soluble	Solid	300.0	87790
880-46962-15	HA-15	Soluble	Solid	300.0	87790
880-46962-16	HA-16	Soluble	Solid	300.0	87790
880-46962-17	HA-16	Soluble	Solid	300.0	87790
MB 880-87790/1-A	Method Blank	Soluble	Solid	300.0	87790
LCS 880-87790/2-A	Lab Control Sample	Soluble	Solid	300.0	87790
LCSD 880-87790/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87790
880-46962-8 MS	HA-12	Soluble	Solid	300.0	87790
880-46962-8 MSD	HA-12	Soluble	Solid	300.0	87790

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-9

Lab Sample ID: 880-46962-1

Date Collected: 08/05/24 10:00

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 12:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/09/24 21:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87724	08/07/24 09:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88017	08/09/24 21:23	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 20:35	CH	EET MID

Client Sample ID: HA-9

Lab Sample ID: 880-46962-2

Date Collected: 08/05/24 11:02

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 12:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/09/24 21:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87724	08/07/24 09:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88017	08/09/24 21:40	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 20:41	CH	EET MID

Client Sample ID: HA-10

Lab Sample ID: 880-46962-3

Date Collected: 08/05/24 10:02

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 12:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/09/24 21:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87724	08/07/24 09:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88017	08/09/24 21:57	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 20:59	CH	EET MID

Client Sample ID: HA-10

Lab Sample ID: 880-46962-4

Date Collected: 08/05/24 11:02

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 13:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-10

Lab Sample ID: 880-46962-4

Date Collected: 08/05/24 11:02

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			88122	08/09/24 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87724	08/07/24 09:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88017	08/09/24 22:14	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 21:05	CH	EET MID

Client Sample ID: HA-11

Lab Sample ID: 880-46962-5

Date Collected: 08/05/24 10:04

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 13:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/09/24 22:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87724	08/07/24 09:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88017	08/09/24 22:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 21:11	CH	EET MID

Client Sample ID: HA-11

Lab Sample ID: 880-46962-6

Date Collected: 08/05/24 11:04

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 13:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 10:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 10:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 21:17	CH	EET MID

Client Sample ID: HA-12

Lab Sample ID: 880-46962-7

Date Collected: 08/05/24 10:06

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 14:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 11:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 11:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-12

Lab Sample ID: 880-46962-7

Date Collected: 08/05/24 10:06

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 21:23	CH	EET MID

Client Sample ID: HA-12

Lab Sample ID: 880-46962-8

Date Collected: 08/05/24 11:06

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 12:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 21:29	CH	EET MID

Client Sample ID: HA-13

Lab Sample ID: 880-46962-9

Date Collected: 08/05/24 10:08

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 14:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 12:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 12:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 21:47	CH	EET MID

Client Sample ID: HA-13

Lab Sample ID: 880-46962-10

Date Collected: 08/05/24 11:08

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 15:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 13:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 13:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 21:53	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-14

Lab Sample ID: 880-46962-12

Date Collected: 08/05/24 10:10

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 13:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 13:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 22:11	CH	EET MID

Client Sample ID: HA-14

Lab Sample ID: 880-46962-13

Date Collected: 08/05/24 11:12

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 17:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 13:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 13:42	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 22:17	CH	EET MID

Client Sample ID: HA-15

Lab Sample ID: 880-46962-14

Date Collected: 08/05/24 10:12

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 18:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 14:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 22:23	CH	EET MID

Client Sample ID: HA-15

Lab Sample ID: 880-46962-15

Date Collected: 08/05/24 11:14

Matrix: Solid

Date Received: 08/06/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 18:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Client Sample ID: HA-15
Date Collected: 08/05/24 11:14
Date Received: 08/06/24 17:00

Lab Sample ID: 880-46962-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			88122	08/08/24 14:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 14:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 22:29	CH	EET MID

Client Sample ID: HA-16
Date Collected: 08/05/24 10:14
Date Received: 08/06/24 17:00

Lab Sample ID: 880-46962-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 18:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 14:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 14:44	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 22:35	CH	EET MID

Client Sample ID: HA-16
Date Collected: 08/05/24 11:16
Date Received: 08/06/24 17:00

Lab Sample ID: 880-46962-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87732	08/07/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87823	08/08/24 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87995	08/08/24 19:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			88122	08/08/24 15:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 15:25	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 22:41	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46962-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-46962-1	HA-9	Solid	08/05/24 10:00	08/06/24 17:00	0.5'
880-46962-2	HA-9	Solid	08/05/24 11:02	08/06/24 17:00	4'
880-46962-3	HA-10	Solid	08/05/24 10:02	08/06/24 17:00	0.5'
880-46962-4	HA-10	Solid	08/05/24 11:02	08/06/24 17:00	4'
880-46962-5	HA-11	Solid	08/05/24 10:04	08/06/24 17:00	0.5'
880-46962-6	HA-11	Solid	08/05/24 11:04	08/06/24 17:00	4'
880-46962-7	HA-12	Solid	08/05/24 10:06	08/06/24 17:00	0.5'
880-46962-8	HA-12	Solid	08/05/24 11:06	08/06/24 17:00	4'
880-46962-9	HA-13	Solid	08/05/24 10:08	08/06/24 17:00	0.5'
880-46962-10	HA-13	Solid	08/05/24 11:08	08/06/24 17:00	2'
880-46962-12	HA-14	Solid	08/05/24 10:10	08/06/24 17:00	0.5'
880-46962-13	HA-14	Solid	08/05/24 11:12	08/06/24 17:00	4'
880-46962-14	HA-15	Solid	08/05/24 10:12	08/06/24 17:00	0.5'
880-46962-15	HA-15	Solid	08/05/24 11:14	08/06/24 17:00	4'
880-46962-16	HA-16	Solid	08/05/24 10:14	08/06/24 17:00	0.5'
880-46962-17	HA-16	Solid	08/05/24 11:16	08/06/24 17:00	4'

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
 Xenco



Work Order

880-46962 Chain of Custody

Program: ☐ PRF ☐ Brownfields ☐ RRC ☐ Superfund ☐
 State of Project: ☐ Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
 Deliverables: EDD ☐ ADaPT ☐ Other: ☐

Project Manager: Gilbert Moreno
 Company Name: Earth Systems R&R
 Address: 1910 Resource Ct.
 City, State ZIP: Carlsbad NM, 88220
 Phone: 832-841-7719 Email: gmoreno@earthsys.net

Work Order Comments
 Program: ☐ PRF ☐ Brownfields ☐ RRC ☐ Superfund ☐
 State of Project: ☐ Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
 Deliverables: EDD ☐ ADaPT ☐ Other: ☐

Project Name: Select Water - Layflat Hose		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes
Project Number:	2360	☒ Routine	☐ Rush	Due Date:	5 DAY	Parameters												None: NO
Project Location:	Ellis P.	TAT starts the day received by the lab, if received by 4:30pm				Grabs												DI Water: H ₂ O
Sampler's Name:	PO #:	SAMPLE RECEIPT				Depth												Cool: Cool
Samples Received Intact: Yes ☒ No ☐		Jergo Blank: Yes ☒ No ☐				Time Sampled												HCL: HC
Cooler Custody Seals: Yes ☒ No ☐		Thermometer ID: Yes ☒ No ☐				Date Sampled												H ₂ SO ₄ : H ₂
Sample Custody Seals: Yes ☒ No ☐		Correction Factor: Yes ☒ No ☐				Matrix												H ₃ PO ₄ : HP
Total Containers:		Corrected Temperature: Yes ☒ No ☐				Sample Identification												NaHSO ₄ : NABIS
						Grab/Comp												Na ₂ S ₂ O ₅ : NaSO ₃
						Depth												Zn Acetate+NaOH: Zn
						Time Sampled												NaOH+Ascorbic Acid: SAPC
						Date Sampled												
						Matrix												
						Sample Identification												
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						Grab/Comp												
						Depth												

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 880-46962-1

Login Number: 46962
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 8/12/2024 3:19:20 PM

JOB DESCRIPTION

Select Water- Layflat Hose

JOB NUMBER

880-46963-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

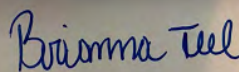
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
8/12/2024 3:19:20 PM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Laboratory Job ID: 880-46963-1

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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: Earth Systems Response and Restoration
Project: Select Water- Layflat Hose

Job ID: 880-46963-1

Job ID: 880-46963-1

Eurofins Midland

Job Narrative 880-46963-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/6/2024 5:08 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 6.3°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-87805 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-1 (880-46963-1), HA-2 (880-46963-3), HA-2 (880-46963-4), HA-4 (880-46963-7) and (880-46962-A-6-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-87728 and analytical batch 880-87812 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The method blank for preparation batch 880-87748 and analytical batch 880-88090 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction / re-analysis of samples was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-88090 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-1

Lab Sample ID: 880-46963-1

Date Collected: 08/05/24 10:00

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 01:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 01:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 01:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/07/24 11:11	08/09/24 01:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 01:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/07/24 11:11	08/09/24 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	08/07/24 11:11	08/09/24 01:28	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/07/24 11:11	08/09/24 01:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/09/24 01:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/24 15:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 15:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 15:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	08/07/24 10:22	08/08/24 15:46	1
o-Terphenyl	72		70 - 130	08/07/24 10:22	08/08/24 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1230		4.97		mg/Kg			08/08/24 22:47	1

Client Sample ID: HA-1

Lab Sample ID: 880-46963-2

Date Collected: 08/05/24 12:02

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/07/24 11:11	08/09/24 01:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/07/24 11:11	08/09/24 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	08/07/24 11:11	08/09/24 01:49	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-1

Lab Sample ID: 880-46963-2

Date Collected: 08/05/24 12:02

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	08/07/24 11:11	08/09/24 01:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/09/24 01:49	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 16:06	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 16:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 16:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/07/24 10:22	08/08/24 16:06	1
o-Terphenyl	91		70 - 130				08/07/24 10:22	08/08/24 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1060		10.1		mg/Kg			08/08/24 21:03	10

Client Sample ID: HA-2

Lab Sample ID: 880-46963-3

Date Collected: 08/05/24 10:06

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 02:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 02:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 02:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 02:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 02:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/07/24 11:11	08/09/24 02:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/07/24 11:11	08/09/24 02:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/24 02:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/24 16:27	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-2

Lab Sample ID: 880-46963-3

Date Collected: 08/05/24 10:06

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 16:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 16:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	54	S1-	70 - 130				08/07/24 10:22	08/08/24 16:27	1
o-Terphenyl	53	S1-	70 - 130				08/07/24 10:22	08/08/24 16:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238		5.03		mg/Kg			08/08/24 21:18	5

Client Sample ID: HA-2

Lab Sample ID: 880-46963-4

Date Collected: 08/05/24 12:06

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:11	08/09/24 02:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:11	08/09/24 02:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:11	08/09/24 02:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/07/24 11:11	08/09/24 02:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:11	08/09/24 02:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/07/24 11:11	08/09/24 02:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/07/24 11:11	08/09/24 02:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/07/24 11:11	08/09/24 02:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/09/24 02:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/08/24 16:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/07/24 10:22	08/08/24 16:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/07/24 10:22	08/08/24 16:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/07/24 10:22	08/08/24 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				08/07/24 10:22	08/08/24 16:48	1
o-Terphenyl	131	S1+	70 - 130				08/07/24 10:22	08/08/24 16:48	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-2

Lab Sample ID: 880-46963-4

Date Collected: 08/05/24 12:06

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	709		5.00		mg/Kg			08/08/24 21:23	5

Client Sample ID: HA-3

Lab Sample ID: 880-46963-5

Date Collected: 08/05/24 10:12

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 02:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 02:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 02:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 02:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 02:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/07/24 11:11	08/09/24 02:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/07/24 11:11	08/09/24 02:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/24 02:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/08/24 17:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/07/24 10:22	08/08/24 17:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/07/24 10:22	08/08/24 17:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/07/24 10:22	08/08/24 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/07/24 10:22	08/08/24 17:08	1
o-Terphenyl	106		70 - 130				08/07/24 10:22	08/08/24 17:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		0.994		mg/Kg			08/08/24 21:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-3

Lab Sample ID: 880-46963-6

Date Collected: 08/05/24 12:10

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 03:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 03:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 03:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/07/24 11:11	08/09/24 03:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 03:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/07/24 11:11	08/09/24 03:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/07/24 11:11	08/09/24 03:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/07/24 11:11	08/09/24 03:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/09/24 03:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/24 17:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 17:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 17:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	08/07/24 10:22	08/08/24 17:29	1
o-Terphenyl	125		70 - 130	08/07/24 10:22	08/08/24 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1710		9.92		mg/Kg			08/08/24 21:34	10

Client Sample ID: HA-4

Lab Sample ID: 880-46963-7

Date Collected: 08/05/24 10:18

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 03:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 03:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 03:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/07/24 11:11	08/09/24 03:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 03:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/07/24 11:11	08/09/24 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/07/24 11:11	08/09/24 03:31	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-4

Lab Sample ID: 880-46963-7

Date Collected: 08/05/24 10:18

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	08/07/24 11:11	08/09/24 03:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/09/24 03:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/24 17:50	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 17:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 17:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 10:22	08/08/24 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				08/07/24 10:22	08/08/24 17:50	1
o-Terphenyl	64	S1-	70 - 130				08/07/24 10:22	08/08/24 17:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.3		1.01		mg/Kg			08/08/24 21:50	1

Client Sample ID: HA-4

Lab Sample ID: 880-46963-8

Date Collected: 08/05/24 10:22

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/07/24 11:11	08/09/24 03:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/07/24 11:11	08/09/24 03:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/07/24 11:11	08/09/24 03:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/07/24 11:11	08/09/24 03:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/07/24 11:11	08/09/24 03:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/07/24 11:11	08/09/24 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/07/24 11:11	08/09/24 03:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/07/24 11:11	08/09/24 03:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/09/24 03:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/08/24 18:10	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-4

Lab Sample ID: 880-46963-8

Date Collected: 08/05/24 10:22

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 2'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 18:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 18:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 10:22	08/08/24 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/07/24 10:22	08/08/24 18:10	1
o-Terphenyl	123		70 - 130				08/07/24 10:22	08/08/24 18:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.6		5.04		mg/Kg			08/08/24 21:55	1

Client Sample ID: HA-4

Lab Sample ID: 880-46963-9

Date Collected: 08/05/24 10:26

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 04:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 04:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 04:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 04:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 04:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/07/24 11:11	08/09/24 04:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/07/24 11:11	08/09/24 04:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/24 04:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/08/24 18:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 18:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 18:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/07/24 10:22	08/08/24 18:31	1
o-Terphenyl	97		70 - 130				08/07/24 10:22	08/08/24 18:31	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-4

Lab Sample ID: 880-46963-9

Date Collected: 08/05/24 10:26

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.62		5.02		mg/Kg			08/08/24 22:00	1

Client Sample ID: HA-5

Lab Sample ID: 880-46963-10

Date Collected: 08/05/24 10:24

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 04:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 04:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 04:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 04:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 04:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/07/24 11:11	08/09/24 04:33	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/07/24 11:11	08/09/24 04:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/24 04:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/07/24 19:07	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 10:32	08/07/24 19:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 10:32	08/07/24 19:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 10:32	08/07/24 19:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/07/24 10:32	08/07/24 19:07	1
o-Terphenyl	81		70 - 130				08/07/24 10:32	08/07/24 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		5.05		mg/Kg			08/08/24 22:05	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-5

Lab Sample ID: 880-46963-11

Date Collected: 08/05/24 12:14

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 06:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 06:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 06:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/07/24 11:11	08/09/24 06:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 06:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/07/24 11:11	08/09/24 06:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/07/24 11:11	08/09/24 06:07	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/07/24 11:11	08/09/24 06:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/09/24 06:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/07/24 19:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 10:32	08/07/24 19:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 10:32	08/07/24 19:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 10:32	08/07/24 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	08/07/24 10:32	08/07/24 19:56	1
o-Terphenyl	101		70 - 130	08/07/24 10:32	08/07/24 19:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7910		50.5		mg/Kg			08/08/24 22:11	10

Client Sample ID: HA-6

Lab Sample ID: 880-46963-12

Date Collected: 08/05/24 10:30

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 06:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 06:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 06:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/07/24 11:11	08/09/24 06:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 06:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/07/24 11:11	08/09/24 06:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/07/24 11:11	08/09/24 06:28	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-6

Lab Sample ID: 880-46963-12

Date Collected: 08/05/24 10:30

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	08/07/24 11:11	08/09/24 06:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/09/24 06:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/07/24 20:12	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/07/24 10:32	08/07/24 20:12	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/07/24 10:32	08/07/24 20:12	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/07/24 10:32	08/07/24 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/07/24 10:32	08/07/24 20:12	1
o-Terphenyl	90		70 - 130				08/07/24 10:32	08/07/24 20:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		4.98		mg/Kg			08/08/24 22:16	1

Client Sample ID: HA-6

Lab Sample ID: 880-46963-13

Date Collected: 08/05/24 10:34

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 06:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 06:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 06:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 06:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 06:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 06:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/07/24 11:11	08/09/24 06:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/07/24 11:11	08/09/24 06:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/24 06:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/07/24 20:28	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-6

Lab Sample ID: 880-46963-13

Date Collected: 08/05/24 10:34

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 2'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/07/24 10:32	08/07/24 20:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/07/24 10:32	08/07/24 20:28	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/07/24 10:32	08/07/24 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/07/24 10:32	08/07/24 20:28	1
o-Terphenyl	73		70 - 130				08/07/24 10:32	08/07/24 20:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.8		4.97		mg/Kg			08/08/24 22:31	1

Client Sample ID: HA-6

Lab Sample ID: 880-46963-14

Date Collected: 08/05/24 10:38

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 07:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 07:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 07:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 07:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 07:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 07:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/07/24 11:11	08/09/24 07:09	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/07/24 11:11	08/09/24 07:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/24 07:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/07/24 20:44	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 10:32	08/07/24 20:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 10:32	08/07/24 20:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 10:32	08/07/24 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/07/24 10:32	08/07/24 20:44	1
o-Terphenyl	97		70 - 130				08/07/24 10:32	08/07/24 20:44	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-6

Lab Sample ID: 880-46963-14

Date Collected: 08/05/24 10:38

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.2		4.96		mg/Kg			08/08/24 22:37	1

Client Sample ID: HA-7

Lab Sample ID: 880-46963-15

Date Collected: 08/05/24 10:36

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 07:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 07:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 07:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/07/24 11:11	08/09/24 07:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 07:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/07/24 11:11	08/09/24 07:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/07/24 11:11	08/09/24 07:29	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/07/24 11:11	08/09/24 07:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/09/24 07:29	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/07/24 21:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/07/24 10:32	08/07/24 21:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/07/24 10:32	08/07/24 21:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/07/24 10:32	08/07/24 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/07/24 10:32	08/07/24 21:00	1
o-Terphenyl	91		70 - 130				08/07/24 10:32	08/07/24 21:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4260		49.7		mg/Kg			08/08/24 22:52	10

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-7

Lab Sample ID: 880-46963-16

Date Collected: 08/05/24 12:18

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 07:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 07:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 07:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/07/24 11:11	08/09/24 07:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/07/24 11:11	08/09/24 07:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/07/24 11:11	08/09/24 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/07/24 11:11	08/09/24 07:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/07/24 11:11	08/09/24 07:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/09/24 07:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/07/24 21:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/07/24 10:32	08/07/24 21:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/07/24 10:32	08/07/24 21:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/07/24 10:32	08/07/24 21:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	08/07/24 10:32	08/07/24 21:15	1
o-Terphenyl	91		70 - 130	08/07/24 10:32	08/07/24 21:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8060		50.0		mg/Kg			08/08/24 22:58	10

Client Sample ID: HA-8

Lab Sample ID: 880-46963-17

Date Collected: 08/05/24 10:42

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 08:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 08:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 08:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/07/24 11:11	08/09/24 08:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 08:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/07/24 11:11	08/09/24 08:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	08/07/24 11:11	08/09/24 08:10	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-8

Lab Sample ID: 880-46963-17

Date Collected: 08/05/24 10:42

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 0.5'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	08/07/24 11:11	08/09/24 08:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/09/24 08:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/07/24 21:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/07/24 10:32	08/07/24 21:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/07/24 10:32	08/07/24 21:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/07/24 10:32	08/07/24 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/07/24 10:32	08/07/24 21:31	1
o-Terphenyl	80		70 - 130				08/07/24 10:32	08/07/24 21:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.2		5.02		mg/Kg			08/08/24 23:03	1

Client Sample ID: HA-8

Lab Sample ID: 880-46963-18

Date Collected: 08/05/24 10:46

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 08:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 08:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 08:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 08:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/07/24 11:11	08/09/24 08:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/07/24 11:11	08/09/24 08:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/07/24 11:11	08/09/24 08:31	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/07/24 11:11	08/09/24 08:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/09/24 08:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/11/24 00:15	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-8

Lab Sample ID: 880-46963-18

Date Collected: 08/05/24 10:46

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 2'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/07/24 12:48	08/11/24 00:15	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/07/24 12:48	08/11/24 00:15	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/07/24 12:48	08/11/24 00:15	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	121		70 - 130				08/07/24 12:48	08/11/24 00:15	1	
o-Terphenyl	120		70 - 130				08/07/24 12:48	08/11/24 00:15	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.04	U	5.04		mg/Kg			08/08/24 23:08	1	

Client Sample ID: HA-8

Lab Sample ID: 880-46963-19

Date Collected: 08/05/24 10:50

Matrix: Solid

Date Received: 08/06/24 17:08

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:11	08/09/24 08:51	1	
Toluene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:11	08/09/24 08:51	1	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:11	08/09/24 08:51	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/07/24 11:11	08/09/24 08:51	1	
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/07/24 11:11	08/09/24 08:51	1	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/07/24 11:11	08/09/24 08:51	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	120		70 - 130				08/07/24 11:11	08/09/24 08:51	1	
1,4-Difluorobenzene (Surr)	91		70 - 130				08/07/24 11:11	08/09/24 08:51	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/09/24 08:51	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.7	U	49.7		mg/Kg			08/11/24 01:03	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/07/24 12:48	08/11/24 01:03	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/07/24 12:48	08/11/24 01:03	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/07/24 12:48	08/11/24 01:03	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	114		70 - 130				08/07/24 12:48	08/11/24 01:03	1	
o-Terphenyl	114		70 - 130				08/07/24 12:48	08/11/24 01:03	1	

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-8
Date Collected: 08/05/24 10:50
Date Received: 08/06/24 17:08
Sample Depth: 4'

Lab Sample ID: 880-46963-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.4		5.05		mg/Kg			08/08/24 23:13	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-46963-1	HA-1	112	101
880-46963-1 MS	HA-1	114	98
880-46963-1 MSD	HA-1	112	99
880-46963-2	HA-1	112	101
880-46963-3	HA-2	116	100
880-46963-4	HA-2	112	100
880-46963-5	HA-3	111	99
880-46963-6	HA-3	113	100
880-46963-7	HA-4	111	100
880-46963-8	HA-4	110	99
880-46963-9	HA-4	112	100
880-46963-10	HA-5	111	99
880-46963-11	HA-5	113	100
880-46963-12	HA-6	109	99
880-46963-13	HA-6	111	99
880-46963-14	HA-6	111	99
880-46963-15	HA-7	113	100
880-46963-16	HA-7	113	99
880-46963-17	HA-8	112	100
880-46963-18	HA-8	113	100
880-46963-19	HA-8	120	91
LCS 880-87734/1-A	Lab Control Sample	125	97
LCSD 880-87734/2-A	Lab Control Sample Dup	115	97
MB 880-87485/5-A	Method Blank	103	95
MB 880-87734/5-A	Method Blank	107	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-46962-A-6-B MS	Matrix Spike	71	64 S1-
880-46962-A-6-C MSD	Matrix Spike Duplicate	103	92
880-46963-1	HA-1	69 S1-	72
880-46963-2	HA-1	88	91
880-46963-3	HA-2	54 S1-	53 S1-
880-46963-4	HA-2	125	131 S1+
880-46963-5	HA-3	101	106
880-46963-6	HA-3	116	125
880-46963-7	HA-4	65 S1-	64 S1-
880-46963-8	HA-4	115	123
880-46963-9	HA-4	94	97
880-46963-10	HA-5	89	81
880-46963-10 MS	HA-5	108	87
880-46963-10 MSD	HA-5	113	93

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Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 880-46963-1

Project/Site: Select Water- Layflat Hose

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-46963-11	HA-5	108	101
880-46963-12	HA-6	100	90
880-46963-13	HA-6	86	73
880-46963-14	HA-6	109	97
880-46963-15	HA-7	101	91
880-46963-16	HA-7	98	91
880-46963-17	HA-8	90	80
880-46963-18	HA-8	121	120
880-46963-18 MS	HA-8	107	115
880-46963-18 MSD	HA-8	107	116
880-46963-19	HA-8	114	114
LCS 880-87728/2-A	Lab Control Sample	114	117
LCS 880-87729/2-A	Lab Control Sample	106	86
LCS 880-87748/2-A	Lab Control Sample	82	93
LCSD 880-87728/3-A	Lab Control Sample Dup	105	109
LCSD 880-87729/3-A	Lab Control Sample Dup	97	80
LCSD 880-87748/3-A	Lab Control Sample Dup	82	91
MB 880-87728/1-A	Method Blank	83	90
MB 880-87729/1-A	Method Blank	91	86
MB 880-87748/1-A	Method Blank	87	91

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87485/5-A

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/05/24 09:57	08/08/24 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/05/24 09:57	08/08/24 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/05/24 09:57	08/08/24 11:21	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/05/24 09:57	08/08/24 11:21	1

Lab Sample ID: MB 880-87734/5-A

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87734

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/07/24 11:11	08/09/24 01:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/07/24 11:11	08/09/24 01:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/07/24 11:11	08/09/24 01:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/07/24 11:11	08/09/24 01:07	1

Lab Sample ID: LCS 880-87734/1-A

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09878		mg/Kg		99	70 - 130
Toluene	0.100	0.1012		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1107		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2079		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1068		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-87734/2-A

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1017		mg/Kg		102	70 - 130	3	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-87734/2-A

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1043		mg/Kg		104	70 - 130	3		35
Ethylbenzene	0.100	0.1044		mg/Kg		104	70 - 130	6		35
m-Xylene & p-Xylene	0.200	0.2134		mg/Kg		107	70 - 130	3		35
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130	1		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-46963-1 MS

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 87734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00201	U	0.0998	0.08488		mg/Kg		85	70 - 130	
Toluene	<0.00201	U	0.0998	0.08656		mg/Kg		87	70 - 130	
Ethylbenzene	<0.00201	U	0.0998	0.08680		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1756		mg/Kg		88	70 - 130	
o-Xylene	<0.00201	U	0.0998	0.09009		mg/Kg		90	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-46963-1 MSD

Matrix: Solid

Analysis Batch: 87820

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 87734

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00201	U	0.100	0.09605		mg/Kg		96	70 - 130	12		35
Toluene	<0.00201	U	0.100	0.09794		mg/Kg		98	70 - 130	12		35
Ethylbenzene	<0.00201	U	0.100	0.09852		mg/Kg		98	70 - 130	13		35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1976		mg/Kg		99	70 - 130	12		35
o-Xylene	<0.00201	U	0.100	0.1010		mg/Kg		101	70 - 130	11		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-87728/1-A

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87728

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 07:53	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-87728/1-A

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 07:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 10:22	08/08/24 07:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/07/24 10:22	08/08/24 07:53	1
o-Terphenyl	90		70 - 130				08/07/24 10:22	08/08/24 07:53	1

Lab Sample ID: LCS 880-87728/2-A

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	964.6		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	947.4		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	114		70 - 130				
o-Terphenyl	117		70 - 130				

Lab Sample ID: LCSD 880-87728/3-A

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	893.3		mg/Kg		89	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	857.4		mg/Kg		86	70 - 130	10	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 880-46962-A-6-B MS

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 87728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1 F2	993	1006		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	993	518.3	F1	mg/Kg		52	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	71		70 - 130						
o-Terphenyl	64	S1-	70 - 130						

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-46962-A-6-C MSD

Matrix: Solid

Analysis Batch: 87812

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 87728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1 F2	993	703.9	F1 F2	mg/Kg		68	70 - 130	35	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1 F2	993	757.6	F2	mg/Kg		76	70 - 130	38	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	92		70 - 130								

Lab Sample ID: MB 880-87729/1-A

Matrix: Solid

Analysis Batch: 87805

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 10:32	08/07/24 16:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 10:32	08/07/24 16:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 10:32	08/07/24 16:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/07/24 10:32	08/07/24 16:42	1
o-Terphenyl	86		70 - 130				08/07/24 10:32	08/07/24 16:42	1

Lab Sample ID: LCS 880-87729/2-A

Matrix: Solid

Analysis Batch: 87805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	992.0		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	906.2		mg/Kg		91	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	86		70 - 130						

Lab Sample ID: LCSD 880-87729/3-A

Matrix: Solid

Analysis Batch: 87805

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87729

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	932.2		mg/Kg		93	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	824.7		mg/Kg		82	70 - 130	9	20

Eurofins Midland

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-87729/3-A

Matrix: Solid

Analysis Batch: 87805

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87729

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-46963-10 MS

Matrix: Solid

Analysis Batch: 87805

Client Sample ID: HA-5

Prep Type: Total/NA

Prep Batch: 87729

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	878.5		mg/Kg		88	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	995	852.3		mg/Kg		86	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	108		70 - 130							
o-Terphenyl	87		70 - 130							

Lab Sample ID: 880-46963-10 MSD

Matrix: Solid

Analysis Batch: 87805

Client Sample ID: HA-5

Prep Type: Total/NA

Prep Batch: 87729

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	854.7		mg/Kg		86	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	995	876.8		mg/Kg		88	70 - 130	3	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	113		70 - 130									
o-Terphenyl	93		70 - 130									

Lab Sample ID: MB 880-87748/1-A

Matrix: Solid

Analysis Batch: 88090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87748

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/07/24 12:47	08/10/24 18:24	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/07/24 12:47	08/10/24 18:24	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/07/24 12:47	08/10/24 18:24	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	87		70 - 130				08/07/24 12:47	08/10/24 18:24	1		
o-Terphenyl	91		70 - 130				08/07/24 12:47	08/10/24 18:24	1		

Eurofins Midland

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-87748/2-A

Matrix: Solid

Analysis Batch: 88090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	836.9		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	833.7		mg/Kg		83	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	82		70 - 130				
o-Terphenyl	93		70 - 130				

Lab Sample ID: LCSD 880-87748/3-A

Matrix: Solid

Analysis Batch: 88090

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87748

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	Limit
							Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	853.3		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	813.5		mg/Kg		81	70 - 130	2	20

Surrogate	%Recovery	LCSD	LCSD	Limits
		Qualifier		
1-Chlorooctane	82			70 - 130
o-Terphenyl	91			70 - 130

Lab Sample ID: 880-46963-18 MS

Matrix: Solid

Analysis Batch: 88090

Client Sample ID: HA-8

Prep Type: Total/NA

Prep Batch: 87748

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	999	879.9		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.6	U	999	987.9		mg/Kg		99	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	115		70 - 130								

Lab Sample ID: 880-46963-18 MSD

Matrix: Solid

Analysis Batch: 88090

Client Sample ID: HA-8

Prep Type: Total/NA

Prep Batch: 87748

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	999	886.2		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.6	U	999	991.8		mg/Kg		99	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								

Eurofins Midland

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-46963-18 MSD

Matrix: Solid

Analysis Batch: 88090

Client Sample ID: HA-8

Prep Type: Total/NA

Prep Batch: 87748

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	116		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87790/1-A

Matrix: Solid

Analysis Batch: 87835

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			08/08/24 19:47	1	

Lab Sample ID: LCS 880-87790/2-A

Matrix: Solid

Analysis Batch: 87835

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	256.7		mg/Kg		103	90 - 110	

Lab Sample ID: LCSD 880-87790/3-A

Matrix: Solid

Analysis Batch: 87835

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	257.0		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-46962-A-8-D MS

Matrix: Solid

Analysis Batch: 87835

Client Sample ID: Matrix Spike

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	31.6		249	284.1		mg/Kg		101	90 - 110		

Lab Sample ID: 880-46962-A-8-E MSD

Matrix: Solid

Analysis Batch: 87835

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	31.6		249	284.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-87793/1-A

Matrix: Solid

Analysis Batch: 87846

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<1.00	U	1.00		mg/Kg			08/08/24 20:47	1	

Eurofins Midland

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-87793/2-A

Matrix: Solid

Analysis Batch: 87846

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	48.44		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-87793/3-A

Matrix: Solid

Analysis Batch: 87846

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			50.0	48.66		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-46963-2 MS

Matrix: Solid

Analysis Batch: 87846

Client Sample ID: HA-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1060		503	1579		mg/Kg		104	90 - 110		

Lab Sample ID: 880-46963-2 MSD

Matrix: Solid

Analysis Batch: 87846

Client Sample ID: HA-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1060		503	1583		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-46963-12 MS

Matrix: Solid

Analysis Batch: 87846

Client Sample ID: HA-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	168		249	414.4		mg/Kg		99	90 - 110		

Lab Sample ID: 880-46963-12 MSD

Matrix: Solid

Analysis Batch: 87846

Client Sample ID: HA-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	168		249	415.9		mg/Kg		100	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

GC VOA

Prep Batch: 87485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87485/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 87734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-1	HA-1	Total/NA	Solid	5035	
880-46963-2	HA-1	Total/NA	Solid	5035	
880-46963-3	HA-2	Total/NA	Solid	5035	
880-46963-4	HA-2	Total/NA	Solid	5035	
880-46963-5	HA-3	Total/NA	Solid	5035	
880-46963-6	HA-3	Total/NA	Solid	5035	
880-46963-7	HA-4	Total/NA	Solid	5035	
880-46963-8	HA-4	Total/NA	Solid	5035	
880-46963-9	HA-4	Total/NA	Solid	5035	
880-46963-10	HA-5	Total/NA	Solid	5035	
880-46963-11	HA-5	Total/NA	Solid	5035	
880-46963-12	HA-6	Total/NA	Solid	5035	
880-46963-13	HA-6	Total/NA	Solid	5035	
880-46963-14	HA-6	Total/NA	Solid	5035	
880-46963-15	HA-7	Total/NA	Solid	5035	
880-46963-16	HA-7	Total/NA	Solid	5035	
880-46963-17	HA-8	Total/NA	Solid	5035	
880-46963-18	HA-8	Total/NA	Solid	5035	
880-46963-19	HA-8	Total/NA	Solid	5035	
MB 880-87734/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-87734/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-87734/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-46963-1 MS	HA-1	Total/NA	Solid	5035	
880-46963-1 MSD	HA-1	Total/NA	Solid	5035	

Analysis Batch: 87820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-1	HA-1	Total/NA	Solid	8021B	87734
880-46963-2	HA-1	Total/NA	Solid	8021B	87734
880-46963-3	HA-2	Total/NA	Solid	8021B	87734
880-46963-4	HA-2	Total/NA	Solid	8021B	87734
880-46963-5	HA-3	Total/NA	Solid	8021B	87734
880-46963-6	HA-3	Total/NA	Solid	8021B	87734
880-46963-7	HA-4	Total/NA	Solid	8021B	87734
880-46963-8	HA-4	Total/NA	Solid	8021B	87734
880-46963-9	HA-4	Total/NA	Solid	8021B	87734
880-46963-10	HA-5	Total/NA	Solid	8021B	87734
880-46963-11	HA-5	Total/NA	Solid	8021B	87734
880-46963-12	HA-6	Total/NA	Solid	8021B	87734
880-46963-13	HA-6	Total/NA	Solid	8021B	87734
880-46963-14	HA-6	Total/NA	Solid	8021B	87734
880-46963-15	HA-7	Total/NA	Solid	8021B	87734
880-46963-16	HA-7	Total/NA	Solid	8021B	87734
880-46963-17	HA-8	Total/NA	Solid	8021B	87734
880-46963-18	HA-8	Total/NA	Solid	8021B	87734
880-46963-19	HA-8	Total/NA	Solid	8021B	87734
MB 880-87485/5-A	Method Blank	Total/NA	Solid	8021B	87485

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

GC VOA (Continued)

Analysis Batch: 87820 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87734/5-A	Method Blank	Total/NA	Solid	8021B	87734
LCS 880-87734/1-A	Lab Control Sample	Total/NA	Solid	8021B	87734
LCSD 880-87734/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	87734
880-46963-1 MS	HA-1	Total/NA	Solid	8021B	87734
880-46963-1 MSD	HA-1	Total/NA	Solid	8021B	87734

Analysis Batch: 87988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-1	HA-1	Total/NA	Solid	Total BTEX	
880-46963-2	HA-1	Total/NA	Solid	Total BTEX	
880-46963-3	HA-2	Total/NA	Solid	Total BTEX	
880-46963-4	HA-2	Total/NA	Solid	Total BTEX	
880-46963-5	HA-3	Total/NA	Solid	Total BTEX	
880-46963-6	HA-3	Total/NA	Solid	Total BTEX	
880-46963-7	HA-4	Total/NA	Solid	Total BTEX	
880-46963-8	HA-4	Total/NA	Solid	Total BTEX	
880-46963-9	HA-4	Total/NA	Solid	Total BTEX	
880-46963-10	HA-5	Total/NA	Solid	Total BTEX	
880-46963-11	HA-5	Total/NA	Solid	Total BTEX	
880-46963-12	HA-6	Total/NA	Solid	Total BTEX	
880-46963-13	HA-6	Total/NA	Solid	Total BTEX	
880-46963-14	HA-6	Total/NA	Solid	Total BTEX	
880-46963-15	HA-7	Total/NA	Solid	Total BTEX	
880-46963-16	HA-7	Total/NA	Solid	Total BTEX	
880-46963-17	HA-8	Total/NA	Solid	Total BTEX	
880-46963-18	HA-8	Total/NA	Solid	Total BTEX	
880-46963-19	HA-8	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 87728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-1	HA-1	Total/NA	Solid	8015NM Prep	
880-46963-2	HA-1	Total/NA	Solid	8015NM Prep	
880-46963-3	HA-2	Total/NA	Solid	8015NM Prep	
880-46963-4	HA-2	Total/NA	Solid	8015NM Prep	
880-46963-5	HA-3	Total/NA	Solid	8015NM Prep	
880-46963-6	HA-3	Total/NA	Solid	8015NM Prep	
880-46963-7	HA-4	Total/NA	Solid	8015NM Prep	
880-46963-8	HA-4	Total/NA	Solid	8015NM Prep	
880-46963-9	HA-4	Total/NA	Solid	8015NM Prep	
MB 880-87728/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87728/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46962-A-6-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-46962-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 87729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-10	HA-5	Total/NA	Solid	8015NM Prep	
880-46963-11	HA-5	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

GC Semi VOA (Continued)

Prep Batch: 87729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-12	HA-6	Total/NA	Solid	8015NM Prep	
880-46963-13	HA-6	Total/NA	Solid	8015NM Prep	
880-46963-14	HA-6	Total/NA	Solid	8015NM Prep	
880-46963-15	HA-7	Total/NA	Solid	8015NM Prep	
880-46963-16	HA-7	Total/NA	Solid	8015NM Prep	
880-46963-17	HA-8	Total/NA	Solid	8015NM Prep	
MB 880-87729/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87729/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87729/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46963-10 MS	HA-5	Total/NA	Solid	8015NM Prep	
880-46963-10 MSD	HA-5	Total/NA	Solid	8015NM Prep	

Prep Batch: 87748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-18	HA-8	Total/NA	Solid	8015NM Prep	
880-46963-19	HA-8	Total/NA	Solid	8015NM Prep	
MB 880-87748/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87748/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87748/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-46963-18 MS	HA-8	Total/NA	Solid	8015NM Prep	
880-46963-18 MSD	HA-8	Total/NA	Solid	8015NM Prep	

Analysis Batch: 87805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-10	HA-5	Total/NA	Solid	8015B NM	87729
880-46963-11	HA-5	Total/NA	Solid	8015B NM	87729
880-46963-12	HA-6	Total/NA	Solid	8015B NM	87729
880-46963-13	HA-6	Total/NA	Solid	8015B NM	87729
880-46963-14	HA-6	Total/NA	Solid	8015B NM	87729
880-46963-15	HA-7	Total/NA	Solid	8015B NM	87729
880-46963-16	HA-7	Total/NA	Solid	8015B NM	87729
880-46963-17	HA-8	Total/NA	Solid	8015B NM	87729
MB 880-87729/1-A	Method Blank	Total/NA	Solid	8015B NM	87729
LCS 880-87729/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87729
LCSD 880-87729/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87729
880-46963-10 MS	HA-5	Total/NA	Solid	8015B NM	87729
880-46963-10 MSD	HA-5	Total/NA	Solid	8015B NM	87729

Analysis Batch: 87812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-1	HA-1	Total/NA	Solid	8015B NM	87728
880-46963-2	HA-1	Total/NA	Solid	8015B NM	87728
880-46963-3	HA-2	Total/NA	Solid	8015B NM	87728
880-46963-4	HA-2	Total/NA	Solid	8015B NM	87728
880-46963-5	HA-3	Total/NA	Solid	8015B NM	87728
880-46963-6	HA-3	Total/NA	Solid	8015B NM	87728
880-46963-7	HA-4	Total/NA	Solid	8015B NM	87728
880-46963-8	HA-4	Total/NA	Solid	8015B NM	87728
880-46963-9	HA-4	Total/NA	Solid	8015B NM	87728
MB 880-87728/1-A	Method Blank	Total/NA	Solid	8015B NM	87728
LCS 880-87728/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87728

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

GC Semi VOA (Continued)

Analysis Batch: 87812 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-87728/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87728
880-46962-A-6-B MS	Matrix Spike	Total/NA	Solid	8015B NM	87728
880-46962-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	87728

Analysis Batch: 87882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-1	HA-1	Total/NA	Solid	8015 NM	
880-46963-2	HA-1	Total/NA	Solid	8015 NM	
880-46963-3	HA-2	Total/NA	Solid	8015 NM	
880-46963-4	HA-2	Total/NA	Solid	8015 NM	
880-46963-5	HA-3	Total/NA	Solid	8015 NM	
880-46963-6	HA-3	Total/NA	Solid	8015 NM	
880-46963-7	HA-4	Total/NA	Solid	8015 NM	
880-46963-8	HA-4	Total/NA	Solid	8015 NM	
880-46963-9	HA-4	Total/NA	Solid	8015 NM	
880-46963-10	HA-5	Total/NA	Solid	8015 NM	
880-46963-11	HA-5	Total/NA	Solid	8015 NM	
880-46963-12	HA-6	Total/NA	Solid	8015 NM	
880-46963-13	HA-6	Total/NA	Solid	8015 NM	
880-46963-14	HA-6	Total/NA	Solid	8015 NM	
880-46963-15	HA-7	Total/NA	Solid	8015 NM	
880-46963-16	HA-7	Total/NA	Solid	8015 NM	
880-46963-17	HA-8	Total/NA	Solid	8015 NM	
880-46963-18	HA-8	Total/NA	Solid	8015 NM	
880-46963-19	HA-8	Total/NA	Solid	8015 NM	

Analysis Batch: 88090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-18	HA-8	Total/NA	Solid	8015B NM	87748
880-46963-19	HA-8	Total/NA	Solid	8015B NM	87748
MB 880-87748/1-A	Method Blank	Total/NA	Solid	8015B NM	87748
LCS 880-87748/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87748
LCSD 880-87748/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87748
880-46963-18 MS	HA-8	Total/NA	Solid	8015B NM	87748
880-46963-18 MSD	HA-8	Total/NA	Solid	8015B NM	87748

HPLC/IC

Leach Batch: 87790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-1	HA-1	Soluble	Solid	DI Leach	
MB 880-87790/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87790/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87790/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46962-A-8-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-46962-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 87793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-2	HA-1	Soluble	Solid	DI Leach	
880-46963-3	HA-2	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

HPLC/IC (Continued)

Leach Batch: 87793 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-4	HA-2	Soluble	Solid	DI Leach	
880-46963-5	HA-3	Soluble	Solid	DI Leach	
880-46963-6	HA-3	Soluble	Solid	DI Leach	
880-46963-7	HA-4	Soluble	Solid	DI Leach	
880-46963-8	HA-4	Soluble	Solid	DI Leach	
880-46963-9	HA-4	Soluble	Solid	DI Leach	
880-46963-10	HA-5	Soluble	Solid	DI Leach	
880-46963-11	HA-5	Soluble	Solid	DI Leach	
880-46963-12	HA-6	Soluble	Solid	DI Leach	
880-46963-13	HA-6	Soluble	Solid	DI Leach	
880-46963-14	HA-6	Soluble	Solid	DI Leach	
880-46963-15	HA-7	Soluble	Solid	DI Leach	
880-46963-16	HA-7	Soluble	Solid	DI Leach	
880-46963-17	HA-8	Soluble	Solid	DI Leach	
880-46963-18	HA-8	Soluble	Solid	DI Leach	
880-46963-19	HA-8	Soluble	Solid	DI Leach	
MB 880-87793/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87793/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87793/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-46963-2 MS	HA-1	Soluble	Solid	DI Leach	
880-46963-2 MSD	HA-1	Soluble	Solid	DI Leach	
880-46963-12 MS	HA-6	Soluble	Solid	DI Leach	
880-46963-12 MSD	HA-6	Soluble	Solid	DI Leach	

Analysis Batch: 87835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-1	HA-1	Soluble	Solid	300.0	87790
MB 880-87790/1-A	Method Blank	Soluble	Solid	300.0	87790
LCS 880-87790/2-A	Lab Control Sample	Soluble	Solid	300.0	87790
LCSD 880-87790/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87790
880-46962-A-8-D MS	Matrix Spike	Soluble	Solid	300.0	87790
880-46962-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	87790

Analysis Batch: 87846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-2	HA-1	Soluble	Solid	300.0	87793
880-46963-3	HA-2	Soluble	Solid	300.0	87793
880-46963-4	HA-2	Soluble	Solid	300.0	87793
880-46963-5	HA-3	Soluble	Solid	300.0	87793
880-46963-6	HA-3	Soluble	Solid	300.0	87793
880-46963-7	HA-4	Soluble	Solid	300.0	87793
880-46963-8	HA-4	Soluble	Solid	300.0	87793
880-46963-9	HA-4	Soluble	Solid	300.0	87793
880-46963-10	HA-5	Soluble	Solid	300.0	87793
880-46963-11	HA-5	Soluble	Solid	300.0	87793
880-46963-12	HA-6	Soluble	Solid	300.0	87793
880-46963-13	HA-6	Soluble	Solid	300.0	87793
880-46963-14	HA-6	Soluble	Solid	300.0	87793
880-46963-15	HA-7	Soluble	Solid	300.0	87793
880-46963-16	HA-7	Soluble	Solid	300.0	87793
880-46963-17	HA-8	Soluble	Solid	300.0	87793

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

HPLC/IC (Continued)

Analysis Batch: 87846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46963-18	HA-8	Soluble	Solid	300.0	87793
880-46963-19	HA-8	Soluble	Solid	300.0	87793
MB 880-87793/1-A	Method Blank	Soluble	Solid	300.0	87793
LCS 880-87793/2-A	Lab Control Sample	Soluble	Solid	300.0	87793
LCSD 880-87793/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87793
880-46963-2 MS	HA-1	Soluble	Solid	300.0	87793
880-46963-2 MSD	HA-1	Soluble	Solid	300.0	87793
880-46963-12 MS	HA-6	Soluble	Solid	300.0	87793
880-46963-12 MSD	HA-6	Soluble	Solid	300.0	87793

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-1

Date Collected: 08/05/24 10:00

Date Received: 08/06/24 17:08

Lab Sample ID: 880-46963-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 01:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 01:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/08/24 15:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87790	08/07/24 16:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87835	08/08/24 22:47	CH	EET MID

Client Sample ID: HA-1

Date Collected: 08/05/24 12:02

Date Received: 08/06/24 17:08

Lab Sample ID: 880-46963-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 01:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 01:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/08/24 16:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 16:06	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	10 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87846	08/08/24 21:03	CH	EET MID

Client Sample ID: HA-2

Date Collected: 08/05/24 10:06

Date Received: 08/06/24 17:08

Lab Sample ID: 880-46963-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 02:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 02:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/08/24 16:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 16:27	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	10 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87846	08/08/24 21:18	CH	EET MID

Client Sample ID: HA-2

Date Collected: 08/05/24 12:06

Date Received: 08/06/24 17:08

Lab Sample ID: 880-46963-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 02:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 02:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-2

Lab Sample ID: 880-46963-4

Date Collected: 08/05/24 12:06

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			87882	08/08/24 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 16:48	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	10 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87846	08/08/24 21:23	CH	EET MID

Client Sample ID: HA-3

Lab Sample ID: 880-46963-5

Date Collected: 08/05/24 10:12

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 02:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 02:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/08/24 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 17:08	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	10 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 21:29	CH	EET MID

Client Sample ID: HA-3

Lab Sample ID: 880-46963-6

Date Collected: 08/05/24 12:10

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 03:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 03:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/08/24 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 17:29	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	10 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87846	08/08/24 21:34	CH	EET MID

Client Sample ID: HA-4

Lab Sample ID: 880-46963-7

Date Collected: 08/05/24 10:18

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 03:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 03:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/08/24 17:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 17:50	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-4

Lab Sample ID: 880-46963-7

Date Collected: 08/05/24 10:18

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	10 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 21:50	CH	EET MID

Client Sample ID: HA-4

Lab Sample ID: 880-46963-8

Date Collected: 08/05/24 10:22

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 03:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 03:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/08/24 18:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 18:10	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 21:55	CH	EET MID

Client Sample ID: HA-4

Lab Sample ID: 880-46963-9

Date Collected: 08/05/24 10:26

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 04:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 04:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/08/24 18:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87728	08/07/24 10:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87812	08/08/24 18:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 22:00	CH	EET MID

Client Sample ID: HA-5

Lab Sample ID: 880-46963-10

Date Collected: 08/05/24 10:24

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 04:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 04:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/07/24 19:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87729	08/07/24 10:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87805	08/07/24 19:07	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 22:05	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-5

Lab Sample ID: 880-46963-11

Date Collected: 08/05/24 12:14

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 06:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 06:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/07/24 19:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87729	08/07/24 10:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87805	08/07/24 19:56	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87846	08/08/24 22:11	CH	EET MID

Client Sample ID: HA-6

Lab Sample ID: 880-46963-12

Date Collected: 08/05/24 10:30

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 06:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 06:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/07/24 20:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	87729	08/07/24 10:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87805	08/07/24 20:12	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 22:16	CH	EET MID

Client Sample ID: HA-6

Lab Sample ID: 880-46963-13

Date Collected: 08/05/24 10:34

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 06:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 06:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/07/24 20:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87729	08/07/24 10:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87805	08/07/24 20:28	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 22:31	CH	EET MID

Client Sample ID: HA-6

Lab Sample ID: 880-46963-14

Date Collected: 08/05/24 10:38

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 07:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 07:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-6

Lab Sample ID: 880-46963-14

Date Collected: 08/05/24 10:38

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			87882	08/07/24 20:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87729	08/07/24 10:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87805	08/07/24 20:44	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 22:37	CH	EET MID

Client Sample ID: HA-7

Lab Sample ID: 880-46963-15

Date Collected: 08/05/24 10:36

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 07:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 07:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/07/24 21:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87729	08/07/24 10:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87805	08/07/24 21:00	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87846	08/08/24 22:52	CH	EET MID

Client Sample ID: HA-7

Lab Sample ID: 880-46963-16

Date Collected: 08/05/24 12:18

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 07:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 07:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/07/24 21:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	87729	08/07/24 10:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87805	08/07/24 21:15	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	87846	08/08/24 22:58	CH	EET MID

Client Sample ID: HA-8

Lab Sample ID: 880-46963-17

Date Collected: 08/05/24 10:42

Matrix: Solid

Date Received: 08/06/24 17:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 08:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 08:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/07/24 21:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87729	08/07/24 10:32	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	87805	08/07/24 21:31	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Client Sample ID: HA-8
Date Collected: 08/05/24 10:42
Date Received: 08/06/24 17:08

Lab Sample ID: 880-46963-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 23:03	CH	EET MID

Client Sample ID: HA-8
Date Collected: 08/05/24 10:46
Date Received: 08/06/24 17:08

Lab Sample ID: 880-46963-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 08:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 08:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/11/24 00:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	87748	08/07/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88090	08/11/24 00:15	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 23:08	CH	EET MID

Client Sample ID: HA-8
Date Collected: 08/05/24 10:50
Date Received: 08/06/24 17:08

Lab Sample ID: 880-46963-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	87734	08/07/24 11:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	87820	08/09/24 08:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			87988	08/09/24 08:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			87882	08/11/24 01:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87748	08/07/24 12:48	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88090	08/11/24 01:03	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	87793	08/07/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87846	08/08/24 23:13	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-46963-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-46963-1	HA-1	Solid	08/05/24 10:00	08/06/24 17:08	0.5'
880-46963-2	HA-1	Solid	08/05/24 12:02	08/06/24 17:08	4'
880-46963-3	HA-2	Solid	08/05/24 10:06	08/06/24 17:08	0.5'
880-46963-4	HA-2	Solid	08/05/24 12:06	08/06/24 17:08	4'
880-46963-5	HA-3	Solid	08/05/24 10:12	08/06/24 17:08	0.5'
880-46963-6	HA-3	Solid	08/05/24 12:10	08/06/24 17:08	4'
880-46963-7	HA-4	Solid	08/05/24 10:18	08/06/24 17:08	0.5'
880-46963-8	HA-4	Solid	08/05/24 10:22	08/06/24 17:08	2'
880-46963-9	HA-4	Solid	08/05/24 10:26	08/06/24 17:08	4'
880-46963-10	HA-5	Solid	08/05/24 10:24	08/06/24 17:08	0.5'
880-46963-11	HA-5	Solid	08/05/24 12:14	08/06/24 17:08	4'
880-46963-12	HA-6	Solid	08/05/24 10:30	08/06/24 17:08	0.5'
880-46963-13	HA-6	Solid	08/05/24 10:34	08/06/24 17:08	2'
880-46963-14	HA-6	Solid	08/05/24 10:38	08/06/24 17:08	4'
880-46963-15	HA-7	Solid	08/05/24 10:36	08/06/24 17:08	0.5'
880-46963-16	HA-7	Solid	08/05/24 12:18	08/06/24 17:08	4'
880-46963-17	HA-8	Solid	08/05/24 10:42	08/06/24 17:08	0.5'
880-46963-18	HA-8	Solid	08/05/24 10:46	08/06/24 17:08	2'
880-46963-19	HA-8	Solid	08/05/24 10:50	08/06/24 17:08	4'

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
Xenco



880-46963 Chain of Custody

Work

Page 1 of 2

www.xenco.com

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Reporting: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: ☐ EDD ☐ ADAPT ☐ Other:

Project Manager: Gilbert Moreno

Company Name: Earth Systems R&R

Address: 1910 Resource Ct.

City, State ZIP: Carlsbad NM, 88220

Phone: 832-841-7719

Bill to: (if different) Earth Systems R&R

Company Name:

Address:

City, State ZIP:

Email: gmoreno@earthsys.net

Project Name:		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number:		Due Date:		Parameters		TPH EPA8015		None: NO	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm		Wet Ice:		Chlorides		Cool: Cool	
Sampler's Name:		Thermometer ID:		Yes No				HCL: HC	
PO #:		Correction Factor:		Yes No				H ₂ SO ₄ : H ₂	
SAMPLE RECEIPT		Temperature Reading:		Yes No				H ₃ PO ₄ : HP	
Samples Received Intact:		Corrected Temperature:		Yes No				NaHSO ₄ : NABIS	
Cooler Custody Seals:				Yes No				Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:				Yes No				Zn Acetate+NaOH: Zn	
Total Containers:				Yes No				NaOH+Ascorbic Acid: SAPC	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont			Sample Comments
HA - 1	S	8/5/2024	10am	0.5'	G	1	X	X	Incident ID:
HA - 1	S	8/5/2024	12:02	4'	G	1	X	X	nAPP2421258466
HA - 2	S	8/5/2024	10:06	0.5'	G	1	X	X	
HA - 2	S	8/5/2024	12:06	4'	G	1	X	X	
HA - 3	S	8/5/2024	10:12	0.5'	G	1	X	X	
HA - 3	S	8/5/2024	12:10	4'	G	1	X	X	
HA - 4	S	8/5/2024	10:18	0.5'	G	1	X	X	
HA - 4	S	8/5/2024	10:22	2'	G	1	X	X	
HA - 4	S	8/5/2024	10:26	4'	G	1	X	X	
HA - 5	S	8/5/2024	10:24	0.5'	G	1	X	X	
HA - 5	S	8/5/2024	12:14	4'	G	1	X	X	
HA - 6	S	8/5/2024	10:30	0.5'	G	1	X	X	
HA - 6	S	8/5/2024	10:34	2'	G	1	X	X	
HA - 6	S	8/5/2024	10:38	4'	G	1	X	X	
HA - 7	S	8/5/2024	10:36	0.5	G	1	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum penalty of \$50.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1.		8/6/24 17:05			
5.					

Revised Date 06/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
Xenco



Work Order No:

www.xenco.com Page 2 of 2

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad NM, 86220	City, State ZIP:	
Phone:	832-941-7719	Email:	gmoreno@earthsys.net

[illegible]

Total	200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
					</																												

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	[Signature]	[Signature]	8/6/04 1700			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 880-46963-1

Login Number: 46963
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ellis Pierce
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 8/23/2024 9:43:33 AM

JOB DESCRIPTION

Select Water- Layflat Hose

JOB NUMBER

880-47500-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

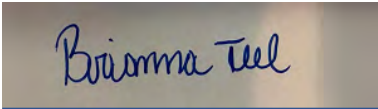
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
8/23/2024 9:43:33 AM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Laboratory Job ID: 880-47500-1

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: Earth Systems Response and Restoration

Project: Select Water- Layflat Hose

Job ID: 880-47500-1

Job ID: 880-47500-1

Eurofins Midland

Job Narrative
880-47500-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/21/2024 8:33 AM. 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 5.6°C.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-89105 and analytical batch 880-89196 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Client Sample ID: HA-17

Date Collected: 08/19/24 11:00

Date Received: 08/21/24 08:33

Sample Depth: 4.5

Lab Sample ID: 880-47500-1

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2290		24.9		mg/Kg			08/22/24 18:45	5

Client Sample ID: HA-18

Date Collected: 08/19/24 11:05

Date Received: 08/21/24 08:33

Sample Depth: 0.5

Lab Sample ID: 880-47500-2

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150		5.05		mg/Kg			08/22/24 18:51	1

Client Sample ID: HA-18

Date Collected: 08/19/24 11:25

Date Received: 08/21/24 08:33

Sample Depth: 4

Lab Sample ID: 880-47500-6

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2760		24.9		mg/Kg			08/22/24 18:57	5

Client Sample ID: HA-19

Date Collected: 08/19/24 11:40

Date Received: 08/21/24 08:33

Sample Depth: 0.5

Lab Sample ID: 880-47500-9

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		25.2		mg/Kg			08/22/24 19:03	5

Client Sample ID: HA-19

Date Collected: 08/19/24 12:00

Date Received: 08/21/24 08:33

Sample Depth: 4

Lab Sample ID: 880-47500-13

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5230	F1	50.4		mg/Kg			08/22/24 19:09	10

Client Sample ID: HA-20

Date Collected: 08/19/24 12:15

Date Received: 08/21/24 08:33

Sample Depth: 0.5

Lab Sample ID: 880-47500-16

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	286		5.03		mg/Kg			08/22/24 19:27	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Client Sample ID: HA-20

Date Collected: 08/19/24 12:35

Date Received: 08/21/24 08:33

Sample Depth: 4

Lab Sample ID: 880-47500-20

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5520		50.0		mg/Kg			08/22/24 19:33	10

Client Sample ID: HA-21

Date Collected: 08/19/24 12:50

Date Received: 08/21/24 08:33

Sample Depth: 5

Lab Sample ID: 880-47500-23

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1380		25.0		mg/Kg			08/22/24 19:51	5

Client Sample ID: HA-22

Date Collected: 08/19/24 13:05

Date Received: 08/21/24 08:33

Sample Depth: 1

Lab Sample ID: 880-47500-26

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	279		5.02		mg/Kg			08/22/24 19:58	1

Client Sample ID: HA-22

Date Collected: 08/19/24 13:10

Date Received: 08/21/24 08:33

Sample Depth: 2

Lab Sample ID: 880-47500-27

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1230		4.98		mg/Kg			08/22/24 20:04	1

Client Sample ID: HA-22

Date Collected: 08/19/24 13:15

Date Received: 08/21/24 08:33

Sample Depth: 3

Lab Sample ID: 880-47500-28

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		5.00		mg/Kg			08/22/24 20:10	1

Client Sample ID: HA-23

Date Collected: 08/19/24 13:25

Date Received: 08/21/24 08:33

Sample Depth: 0.5

Lab Sample ID: 880-47500-30

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		4.99		mg/Kg			08/22/24 20:16	1

Eurofins Midland

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Client Sample ID: HA-24
Date Collected: 08/19/24 13:35
Date Received: 08/21/24 08:33
Sample Depth: 0.5

Lab Sample ID: 880-47500-32
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.5		5.05		mg/Kg			08/22/24 20:22	1

Client Sample ID: HA-25
Date Collected: 08/19/24 13:45
Date Received: 08/21/24 08:33
Sample Depth: 0.5

Lab Sample ID: 880-47500-34
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.7		5.03		mg/Kg			08/22/24 20:28	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89105/1-A

Matrix: Solid

Analysis Batch: 89196

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/22/24 17:27	1

Lab Sample ID: LCS 880-89105/2-A

Matrix: Solid

Analysis Batch: 89196

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-89105/3-A

Matrix: Solid

Analysis Batch: 89196

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	240.0		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-47500-13 MS

Matrix: Solid

Analysis Batch: 89196

Client Sample ID: HA-19

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5230	F1	2520	9335	F1	mg/Kg		163	90 - 110

Lab Sample ID: 880-47500-13 MSD

Matrix: Solid

Analysis Batch: 89196

Client Sample ID: HA-19

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5230	F1	2520	9337	F1	mg/Kg		163	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

HPLC/IC

Leach Batch: 89105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47500-1	HA-17	Soluble	Solid	DI Leach	
880-47500-2	HA-18	Soluble	Solid	DI Leach	
880-47500-6	HA-18	Soluble	Solid	DI Leach	
880-47500-9	HA-19	Soluble	Solid	DI Leach	
880-47500-13	HA-19	Soluble	Solid	DI Leach	
880-47500-16	HA-20	Soluble	Solid	DI Leach	
880-47500-20	HA-20	Soluble	Solid	DI Leach	
880-47500-23	HA-21	Soluble	Solid	DI Leach	
880-47500-26	HA-22	Soluble	Solid	DI Leach	
880-47500-27	HA-22	Soluble	Solid	DI Leach	
880-47500-28	HA-22	Soluble	Solid	DI Leach	
880-47500-30	HA-23	Soluble	Solid	DI Leach	
880-47500-32	HA-24	Soluble	Solid	DI Leach	
880-47500-34	HA-25	Soluble	Solid	DI Leach	
MB 880-89105/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-89105/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-89105/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47500-13 MS	HA-19	Soluble	Solid	DI Leach	
880-47500-13 MSD	HA-19	Soluble	Solid	DI Leach	

Analysis Batch: 89196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47500-1	HA-17	Soluble	Solid	300.0	89105
880-47500-2	HA-18	Soluble	Solid	300.0	89105
880-47500-6	HA-18	Soluble	Solid	300.0	89105
880-47500-9	HA-19	Soluble	Solid	300.0	89105
880-47500-13	HA-19	Soluble	Solid	300.0	89105
880-47500-16	HA-20	Soluble	Solid	300.0	89105
880-47500-20	HA-20	Soluble	Solid	300.0	89105
880-47500-23	HA-21	Soluble	Solid	300.0	89105
880-47500-26	HA-22	Soluble	Solid	300.0	89105
880-47500-27	HA-22	Soluble	Solid	300.0	89105
880-47500-28	HA-22	Soluble	Solid	300.0	89105
880-47500-30	HA-23	Soluble	Solid	300.0	89105
880-47500-32	HA-24	Soluble	Solid	300.0	89105
880-47500-34	HA-25	Soluble	Solid	300.0	89105
MB 880-89105/1-A	Method Blank	Soluble	Solid	300.0	89105
LCS 880-89105/2-A	Lab Control Sample	Soluble	Solid	300.0	89105
LCSD 880-89105/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	89105
880-47500-13 MS	HA-19	Soluble	Solid	300.0	89105
880-47500-13 MSD	HA-19	Soluble	Solid	300.0	89105

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Client Sample ID: HA-17

Lab Sample ID: 880-47500-1

Date Collected: 08/19/24 11:00

Matrix: Solid

Date Received: 08/21/24 08:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		5			89196	08/22/24 18:45	CH	EET MID

Client Sample ID: HA-18

Lab Sample ID: 880-47500-2

Date Collected: 08/19/24 11:05

Matrix: Solid

Date Received: 08/21/24 08:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		1			89196	08/22/24 18:51	CH	EET MID

Client Sample ID: HA-18

Lab Sample ID: 880-47500-6

Date Collected: 08/19/24 11:25

Matrix: Solid

Date Received: 08/21/24 08:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		5			89196	08/22/24 18:57	CH	EET MID

Client Sample ID: HA-19

Lab Sample ID: 880-47500-9

Date Collected: 08/19/24 11:40

Matrix: Solid

Date Received: 08/21/24 08:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		5			89196	08/22/24 19:03	CH	EET MID

Client Sample ID: HA-19

Lab Sample ID: 880-47500-13

Date Collected: 08/19/24 12:00

Matrix: Solid

Date Received: 08/21/24 08:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		10			89196	08/22/24 19:09	CH	EET MID

Client Sample ID: HA-20

Lab Sample ID: 880-47500-16

Date Collected: 08/19/24 12:15

Matrix: Solid

Date Received: 08/21/24 08:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		1			89196	08/22/24 19:27	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Client Sample ID: HA-20

Date Collected: 08/19/24 12:35

Date Received: 08/21/24 08:33

Lab Sample ID: 880-47500-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		10			89196	08/22/24 19:33	CH	EET MID

Client Sample ID: HA-21

Date Collected: 08/19/24 12:50

Date Received: 08/21/24 08:33

Lab Sample ID: 880-47500-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		5			89196	08/22/24 19:51	CH	EET MID

Client Sample ID: HA-22

Date Collected: 08/19/24 13:05

Date Received: 08/21/24 08:33

Lab Sample ID: 880-47500-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		1			89196	08/22/24 19:58	CH	EET MID

Client Sample ID: HA-22

Date Collected: 08/19/24 13:10

Date Received: 08/21/24 08:33

Lab Sample ID: 880-47500-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		1			89196	08/22/24 20:04	CH	EET MID

Client Sample ID: HA-22

Date Collected: 08/19/24 13:15

Date Received: 08/21/24 08:33

Lab Sample ID: 880-47500-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		1			89196	08/22/24 20:10	CH	EET MID

Client Sample ID: HA-23

Date Collected: 08/19/24 13:25

Date Received: 08/21/24 08:33

Lab Sample ID: 880-47500-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		1			89196	08/22/24 20:16	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Client Sample ID: HA-24
Date Collected: 08/19/24 13:35
Date Received: 08/21/24 08:33

Lab Sample ID: 880-47500-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		1			89196	08/22/24 20:22	CH	EET MID

Client Sample ID: HA-25
Date Collected: 08/19/24 13:45
Date Received: 08/21/24 08:33

Lab Sample ID: 880-47500-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	89105	08/21/24 16:14	SA	EET MID
Soluble	Analysis	300.0		1			89196	08/22/24 20:28	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

- 1
- 2
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- 11
- 12
- 13

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Select Water- Layflat Hose

Job ID: 880-47500-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-47500-1	HA-17	Solid	08/19/24 11:00	08/21/24 08:33	4.5
880-47500-2	HA-18	Solid	08/19/24 11:05	08/21/24 08:33	0.5
880-47500-6	HA-18	Solid	08/19/24 11:25	08/21/24 08:33	4
880-47500-9	HA-19	Solid	08/19/24 11:40	08/21/24 08:33	0.5
880-47500-13	HA-19	Solid	08/19/24 12:00	08/21/24 08:33	4
880-47500-16	HA-20	Solid	08/19/24 12:15	08/21/24 08:33	0.5
880-47500-20	HA-20	Solid	08/19/24 12:35	08/21/24 08:33	4
880-47500-23	HA-21	Solid	08/19/24 12:50	08/21/24 08:33	5
880-47500-26	HA-22	Solid	08/19/24 13:05	08/21/24 08:33	1
880-47500-27	HA-22	Solid	08/19/24 13:10	08/21/24 08:33	2
880-47500-28	HA-22	Solid	08/19/24 13:15	08/21/24 08:33	3
880-47500-30	HA-23	Solid	08/19/24 13:25	08/21/24 08:33	0.5
880-47500-32	HA-24	Solid	08/19/24 13:35	08/21/24 08:33	0.5
880-47500-34	HA-25	Solid	08/19/24 13:45	08/21/24 08:33	0.5

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Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 505-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work C

880-47500 Chain of Custody



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Page 1 of 3

Project Manager:	Ellis Pierce	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	5114 West CR 128	Address:	
City, State ZIP:	Midland TX, 79706	City, State ZIP:	
Phone:	432-888-5553	Email:	epierce@earthsys.net

Work Order Comments
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other:

[illegible][illegible]

Total 200.7 / 6010		200.8 / 6020:	
8RCRA	13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
TCLP / SPLP 6010: 8RCRA		Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document is valid only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/21/04 833			



Environment Testing

Houston, TX (261) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3333
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: 47500

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	
Phone:	832-841-7719	Email:	gmoreno@earthsys.net

Work Order Comments	
Program: UST/PT ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

ANALYSIS REQUEST						Preservative Codes								
Project Name:	Select Water - Layflat Hose	Turn Around		Prior.		None; NO	Dl Water: H ₂ O							
Project Number:	2360	☒ Routine	☐ Rush			Cool; Cool	MEOH; Me							
Project Location:		Due Date:				HCL; HC	HNO ₃ ; HN							
Sampler's Name:	Ellis P.			TAT starts the day received by the lab, if received by 4:30pm		H ₂ SO ₄ ; H ₂	NaOH; Na							
PO #:														
SAMPLE RECEIPT						H ₃ PO ₄ ; HP								
Samples Received Inact:	Yes No	Thermometer ID:	Yes No	Wet Ice:	Yes No	NaHSO ₄ ; NABIS								
Cooler Custody Seals:	Yes No N/A	Correction Factor:				Na ₂ S ₂ O ₈ ; NaSO ₃								
Sample Custody Seals:	Yes No N/A	Temperature Reading:				Zn Acetate+NaOH; Zn								
Total Containers:		Corrected Temperature:				NaOH+Ascorbic Acid; SAPC								

[illegible]

Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010	200.8 / 6020:
8RCRA 13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
TC1P / SPLP 6010:	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245, 1 / 7470 / 7474

Notice: Signature of this document is a relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenoce, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenoce will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenoce. A minimum charge of \$35.00 will be applied to each project and a charge of \$35 for each sample submitted to Eurofins Xenoce, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[Signature]	[Signature]	8/10/18 8:32			



Environment Testing
Xenco

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1266
Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: W7500

www.xenco.com

Page 3 of 3

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	
Phone:	832-841-7719	Email:	gmoreno@earthsys.net

Program: UST/PRP ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Name:	Select Water - Layflat Hose	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	2360	Due Date:	5 DAY		
Project Location:		TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Ellis P.				
PO #:					
SAMPLE RECEIPT					
Samples Received Intact:	Temp Blank:	Yes	No	Well Ice:	Yes
Cooler Custody Seals:	Yes	No	N/A	Thermometer ID:	
Sample Custody Seals:	Yes	No	N/A	Correction Factor:	
Total Containers:	Corrected Temperature:				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
HA - 22	S	8/19/2024	13:05	1	G	1	Chlorides		DI Water: H ₂ O	Incident ID: nAPP2421258466
HA - 22	S	8/19/2024	13:10	2	G	1			MeOH: Me	
HA - 22	S	8/19/2024	13:15	3	G	1			HCL: HC	
HA - 22	S	8/19/2024	13:20	4	G	1			H ₂ SO ₄ : H ₂	
HA - 23	S	8/19/2024	13:25	0.5	G	1			NaHSO ₄ : HP	
HA - 23	S	8/19/2024	13:30	1	G	1			NaHSO ₄ : NABIS	
HA - 24	S	8/19/2024	13:35	0.5	G	1			Na ₂ S ₂ O ₅ : NaSO ₃	
HA - 24	S	8/19/2024	13:40	1	G	1			Zn Acetate+NaOH: Zn	
HA - 25	S	8/19/2024	13:45	0.5	G	1			NaOH+Ascorbic Acid: SACP	
HA - 25	S	8/19/2024	13:50	1	G	1				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/19/24 13:52			
		4			
		6			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 880-47500-1

Login Number: 47500

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 1/28/2025 11:53:53 AM

JOB DESCRIPTION

Waterfleet (Select)
25-0100-01

JOB NUMBER

880-53459-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



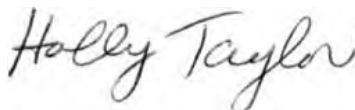
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
1/28/2025 11:53:53 AM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Laboratory Job ID: 880-53459-1
SDG: 25-0100-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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: Larson & Associates, Inc.
Project: Waterfleet (Select)

Job ID: 880-53459-1

Job ID: 880-53459-1

Eurofins Midland

Job Narrative 880-53459-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/21/2025 2:05 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 -8.0°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-100821/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-100822/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-100824 and analytical batch 880-100861 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-100824 and analytical batch 880-100861 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-100821/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-21 4.5' (880-53459-10), (LCSD 880-100824/3-A) and (890-7586-A-22-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-100824/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-100802 and analytical batch 880-101253 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-1 4.5' (880-53459-1), HA-2 4.5' (880-53459-2) and HA-3 4.5' (880-53459-3). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-1 4.5'

Lab Sample ID: 880-53459-1

Date Collected: 01/17/25 09:25

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 14:58	01/21/25 17:25	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 14:58	01/21/25 17:25	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 14:58	01/21/25 17:25	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 14:58	01/21/25 17:25	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 14:58	01/21/25 17:25	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 14:58	01/21/25 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/21/25 14:58	01/21/25 17:25	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/21/25 14:58	01/21/25 17:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/21/25 17:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/27/25 23:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 23:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 23:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130	01/21/25 15:16	01/27/25 23:16	1
o-Terphenyl (Surr)	116		70 - 130	01/21/25 15:16	01/27/25 23:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		9.98	mg/Kg			01/24/25 02:38	1

Client Sample ID: HA-2 4.5'

Lab Sample ID: 880-53459-2

Date Collected: 01/17/25 09:27

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 17:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 17:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 17:45	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 14:58	01/21/25 17:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 17:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 14:58	01/21/25 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/21/25 14:58	01/21/25 17:45	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/21/25 14:58	01/21/25 17:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-2 4.5'

Lab Sample ID: 880-53459-2

Date Collected: 01/17/25 09:27

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 17:45	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/27/25 23:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		01/21/25 15:16	01/27/25 23:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/21/25 15:16	01/27/25 23:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/21/25 15:16	01/27/25 23:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130			01/21/25 15:16	01/27/25 23:31	1
o-Terphenyl (Surr)	117		70 - 130			01/21/25 15:16	01/27/25 23:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2340		49.7	mg/Kg			01/24/25 02:46	5

Client Sample ID: HA-3 4.5'

Lab Sample ID: 880-53459-3

Date Collected: 01/17/25 09:31

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 18:06	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 18:06	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 18:06	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 14:58	01/21/25 18:06	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 18:06	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 14:58	01/21/25 18:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			01/21/25 14:58	01/21/25 18:06	1
1,4-Difluorobenzene (Surr)	86		70 - 130			01/21/25 14:58	01/21/25 18:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/21/25 18:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/27/25 23:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:16	01/27/25 23:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:16	01/27/25 23:46	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-3 4.5'

Lab Sample ID: 880-53459-3

Date Collected: 01/17/25 09:31

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:16	01/27/25 23:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	138	S1+	70 - 130			01/21/25 15:16	01/27/25 23:46	1
o-Terphenyl (Surr)	114		70 - 130			01/21/25 15:16	01/27/25 23:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.6		9.90	mg/Kg			01/24/25 02:53	1

Client Sample ID: HA-5 4.5'

Lab Sample ID: 880-53459-4

Date Collected: 01/17/25 09:37

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 18:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 18:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 18:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 14:58	01/21/25 18:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 18:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 14:58	01/21/25 18:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			01/21/25 14:58	01/21/25 18:26	1
1,4-Difluorobenzene (Surr)	92		70 - 130			01/21/25 14:58	01/21/25 18:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 18:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/28/25 00:01	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/28/25 00:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/28/25 00:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/28/25 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130			01/21/25 15:16	01/28/25 00:01	1
o-Terphenyl (Surr)	109		70 - 130			01/21/25 15:16	01/28/25 00:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	810		9.90	mg/Kg			01/24/25 03:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-7 4.5'

Lab Sample ID: 880-53459-5

Date Collected: 01/17/25 09:45

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 18:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 18:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 18:47	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 14:58	01/21/25 18:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 18:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 14:58	01/21/25 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	01/21/25 14:58	01/21/25 18:47	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/21/25 14:58	01/21/25 18:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/21/25 18:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/22/25 12:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 17:02	01/22/25 12:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 17:02	01/22/25 12:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 17:02	01/22/25 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	01/21/25 17:02	01/22/25 12:32	1
o-Terphenyl (Surr)	79		70 - 130	01/21/25 17:02	01/22/25 12:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	268		9.92	mg/Kg			01/24/25 03:23	1

Client Sample ID: HA-17 4.5'

Lab Sample ID: 880-53459-6

Date Collected: 01/17/25 09:49

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 19:07	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 19:07	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 19:07	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 14:58	01/21/25 19:07	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 19:07	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 14:58	01/21/25 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/21/25 14:58	01/21/25 19:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/21/25 14:58	01/21/25 19:07	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-17 4.5'

Lab Sample ID: 880-53459-6

Date Collected: 01/17/25 09:49

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/21/25 19:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/22/25 12:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 17:02	01/22/25 12:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 17:02	01/22/25 12:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 17:02	01/22/25 12:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/21/25 17:02	01/22/25 12:48	1
o-Terphenyl (Surr)	79		70 - 130			01/21/25 17:02	01/22/25 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	566		10.1	mg/Kg			01/24/25 03:30	1

Client Sample ID: HA-18 4.5'

Lab Sample ID: 880-53459-7

Date Collected: 01/17/25 10:11

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 19:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 19:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 19:28	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 14:58	01/21/25 19:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 19:28	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 14:58	01/21/25 19:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			01/21/25 14:58	01/21/25 19:28	1
1,4-Difluorobenzene (Surr)	92		70 - 130			01/21/25 14:58	01/21/25 19:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/21/25 19:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/22/25 12:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 17:04	01/22/25 12:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 17:04	01/22/25 12:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-18 4.5'

Lab Sample ID: 880-53459-7

Date Collected: 01/17/25 10:11

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 17:04	01/22/25 12:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130			01/21/25 17:04	01/22/25 12:32	1
o-Terphenyl (Surr)	71		70 - 130			01/21/25 17:04	01/22/25 12:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	735		9.94	mg/Kg			01/24/25 03:52	1

Client Sample ID: HA-19 4.5'

Lab Sample ID: 880-53459-8

Date Collected: 01/17/25 10:17

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 19:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 19:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 19:48	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 14:58	01/21/25 19:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 19:48	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 14:58	01/21/25 19:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			01/21/25 14:58	01/21/25 19:48	1
1,4-Difluorobenzene (Surr)	91		70 - 130			01/21/25 14:58	01/21/25 19:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/21/25 19:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/22/25 12:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 17:04	01/22/25 12:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 17:04	01/22/25 12:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 17:04	01/22/25 12:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			01/21/25 17:04	01/22/25 12:48	1
o-Terphenyl (Surr)	74		70 - 130			01/21/25 17:04	01/22/25 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.1		9.98	mg/Kg			01/24/25 04:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-20 4.5'

Lab Sample ID: 880-53459-9

Date Collected: 01/17/25 10:24

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 20:09	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 20:09	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 20:09	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 14:58	01/21/25 20:09	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 14:58	01/21/25 20:09	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 14:58	01/21/25 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/21/25 14:58	01/21/25 20:09	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/21/25 14:58	01/21/25 20:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/21/25 20:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/22/25 13:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 17:06	01/22/25 13:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 17:06	01/22/25 13:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 17:06	01/22/25 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	01/21/25 17:06	01/22/25 13:30	1
o-Terphenyl (Surr)	75		70 - 130	01/21/25 17:06	01/22/25 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		10.0	mg/Kg			01/24/25 04:07	1

Client Sample ID: HA-21 4.5'

Lab Sample ID: 880-53459-10

Date Collected: 01/17/25 10:32

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 20:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 20:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 20:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 14:58	01/21/25 20:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 14:58	01/21/25 20:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 14:58	01/21/25 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	01/21/25 14:58	01/21/25 20:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/21/25 14:58	01/21/25 20:29	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-21 4.5'

Lab Sample ID: 880-53459-10

Date Collected: 01/17/25 10:32

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 20:29	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/22/25 13:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8	mg/Kg		01/21/25 17:08	01/22/25 13:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 17:08	01/22/25 13:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 17:08	01/22/25 13:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	139	S1+	70 - 130			01/21/25 17:08	01/22/25 13:30	1
o-Terphenyl (Surr)	106		70 - 130			01/21/25 17:08	01/22/25 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.4		9.94	mg/Kg			01/24/25 04:15	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-53459-1	HA-1 4.5'	94	92				
880-53459-1 MS	HA-1 4.5'	100	99				
880-53459-1 MSD	HA-1 4.5'	98	102				
880-53459-2	HA-2 4.5'	94	90				
880-53459-3	HA-3 4.5'	97	86				
880-53459-4	HA-5 4.5'	99	92				
880-53459-5	HA-7 4.5'	93	90				
880-53459-6	HA-17 4.5'	96	93				
880-53459-7	HA-18 4.5'	99	92				
880-53459-8	HA-19 4.5'	94	91				
880-53459-9	HA-20 4.5'	96	92				
880-53459-10	HA-21 4.5'	92	91				
LCS 880-100797/1-A	Lab Control Sample	96	96				
LCSD 880-100797/2-A	Lab Control Sample Dup	97	103				
MB 880-100797/5-A	Method Blank	90	88				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-53459-1	HA-1 4.5'	140 S1+	116				
880-53459-2	HA-2 4.5'	135 S1+	117				
880-53459-3	HA-3 4.5'	138 S1+	114				
880-53459-4	HA-5 4.5'	130	109				
880-53459-5	HA-7 4.5'	80	79				
880-53459-6	HA-17 4.5'	82	79				
880-53459-7	HA-18 4.5'	73	71				
880-53459-8	HA-19 4.5'	76	74				
880-53459-9	HA-20 4.5'	82	75				
880-53459-10	HA-21 4.5'	139 S1+	106				
LCS 880-100802/2-A	Lab Control Sample	115	105				
LCS 880-100821/2-A	Lab Control Sample	144 S1+	132 S1+				
LCS 880-100822/2-A	Lab Control Sample	119	112				
LCS 880-100823/2-A	Lab Control Sample	81	85				
LCS 880-100824/2-A	Lab Control Sample	144 S1+	133 S1+				
LCSD 880-100802/3-A	Lab Control Sample Dup	120	110				
LCSD 880-100821/3-A	Lab Control Sample Dup	131 S1+	122				
LCSD 880-100822/3-A	Lab Control Sample Dup	144 S1+	130				
LCSD 880-100823/3-A	Lab Control Sample Dup	81	84				
LCSD 880-100824/3-A	Lab Control Sample Dup	140 S1+	120				
MB 880-100802/1-A	Method Blank	137 S1+	110				
MB 880-100821/1-A	Method Blank	109	107				
MB 880-100822/1-A	Method Blank	81	82				
MB 880-100823/1-A	Method Blank	94	88				

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-100824/1-A	Method Blank	188 S1+	153 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100797/5-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100797

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 17:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 17:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 17:03	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 14:58	01/21/25 17:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 17:03	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 14:58	01/21/25 17:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	01/21/25 14:58	01/21/25 17:03	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/21/25 14:58	01/21/25 17:03	1

Lab Sample ID: LCS 880-100797/1-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08993		mg/Kg		90	70 - 130
Toluene	0.100	0.09300		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09270		mg/Kg		93	70 - 130
m,p-Xylenes	0.200	0.1803		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08801		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-100797/2-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100797

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1007		mg/Kg		101	70 - 130	11	35
Toluene	0.100	0.1014		mg/Kg		101	70 - 130	9	35
Ethylbenzene	0.100	0.09949		mg/Kg		99	70 - 130	7	35
m,p-Xylenes	0.200	0.1963		mg/Kg		98	70 - 130	8	35
o-Xylene	0.100	0.09571		mg/Kg		96	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-53459-1 MS

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: HA-1 4.5'

Prep Type: Total/NA

Prep Batch: 100797

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.09573		mg/Kg		96	70 - 130
Toluene	<0.00202	U	0.100	0.09999		mg/Kg		100	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-53459-1 MS

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: HA-1 4.5'

Prep Type: Total/NA

Prep Batch: 100797

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.1016		mg/Kg		102	70 - 130
m,p-Xylenes	<0.00404	U	0.200	0.1952		mg/Kg		98	70 - 130
o-Xylene	<0.00202	U	0.100	0.09425		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-53459-1 MSD

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: HA-1 4.5'

Prep Type: Total/NA

Prep Batch: 100797

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09556		mg/Kg		96	70 - 130	0	35
Toluene	<0.00202	U	0.100	0.09743		mg/Kg		97	70 - 130	3	35
Ethylbenzene	<0.00202	U	0.100	0.09775		mg/Kg		98	70 - 130	4	35
m,p-Xylenes	<0.00404	U	0.200	0.1871		mg/Kg		94	70 - 130	4	35
o-Xylene	<0.00202	U	0.100	0.09097		mg/Kg		91	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-100802/1-A

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100802

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:15	01/27/25 17:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:15	01/27/25 17:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:15	01/27/25 17:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	137	S1+	70 - 130	01/21/25 15:15	01/27/25 17:41	1
o-Terphenyl (Surr)	110		70 - 130	01/21/25 15:15	01/27/25 17:41	1

Lab Sample ID: LCS 880-100802/2-A

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100802

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1050		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	980.9		mg/Kg		98	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-100802/2-A

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100802

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	115		70 - 130
o-Terphenyl (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-100802/3-A

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100802

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	984.9		mg/Kg		98	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1042		mg/Kg		104	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	120		70 - 130
o-Terphenyl (Surr)	110		70 - 130

Lab Sample ID: MB 880-100821/1-A

Matrix: Solid

Analysis Batch: 100854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100821

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 17:02	01/22/25 02:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 17:02	01/22/25 02:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 17:02	01/22/25 02:13	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	109		70 - 130	01/21/25 17:02	01/22/25 02:13	1
o-Terphenyl (Surr)	107		70 - 130	01/21/25 17:02	01/22/25 02:13	1

Lab Sample ID: LCS 880-100821/2-A

Matrix: Solid

Analysis Batch: 100854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100821

	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1265		mg/Kg		127	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	144	S1+	70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-100821/3-A

Matrix: Solid

Analysis Batch: 100854

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100821

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	939.2		mg/Kg		94	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1167		mg/Kg		117	70 - 130	8	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	131	S1+	70 - 130						
o-Terphenyl (Surr)	122		70 - 130						

Lab Sample ID: MB 880-100822/1-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100822

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 17:04	01/22/25 02:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 17:04	01/22/25 02:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 17:04	01/22/25 02:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			01/21/25 17:04	01/22/25 02:13	1
o-Terphenyl (Surr)	82		70 - 130			01/21/25 17:04	01/22/25 02:13	1

Lab Sample ID: LCS 880-100822/2-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1071		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		112	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	119		70 - 130						
o-Terphenyl (Surr)	112		70 - 130						

Lab Sample ID: LCSD 880-100822/3-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	974.0		mg/Kg		97	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1270		mg/Kg		127	70 - 130	12	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-100822/3-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100822

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	144	S1+	70 - 130
o-Terphenyl (Surr)	130		70 - 130

Lab Sample ID: MB 880-100823/1-A

Matrix: Solid

Analysis Batch: 100859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100823

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 17:06	01/22/25 08:50	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 17:06	01/22/25 08:50	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 17:06	01/22/25 08:50	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	94		70 - 130			01/21/25 17:06	01/22/25 08:50	1	
o-Terphenyl (Surr)	88		70 - 130			01/21/25 17:06	01/22/25 08:50	1	

Lab Sample ID: LCS 880-100823/2-A

Matrix: Solid

Analysis Batch: 100859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100823

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	751.1		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	746.2		mg/Kg		75	70 - 130		
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane (Surr)		81		70 - 130					
o-Terphenyl (Surr)		85		70 - 130					

Lab Sample ID: LCSD 880-100823/3-A

Matrix: Solid

Analysis Batch: 100859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100823

	Spike	LCSD	LCSD					%Rec	RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	744.7		mg/Kg		74	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	1000	759.1		mg/Kg		76	70 - 130	2	20	
Surrogate		%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)		81		70 - 130						
o-Terphenyl (Surr)		84		70 - 130						

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-100824/1-A

Matrix: Solid

Analysis Batch: 100861

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100824

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 17:08	01/22/25 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 17:08	01/22/25 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 17:08	01/22/25 08:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	188	S1+	70 - 130			01/21/25 17:08	01/22/25 08:50	1
o-Terphenyl (Surr)	153	S1+	70 - 130			01/21/25 17:08	01/22/25 08:50	1

Lab Sample ID: LCS 880-100824/2-A

Matrix: Solid

Analysis Batch: 100861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1318	*+	mg/Kg		132	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1256		mg/Kg		126	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	144	S1+	70 - 130				
o-Terphenyl (Surr)	133	S1+	70 - 130				

Lab Sample ID: LCSD 880-100824/3-A

Matrix: Solid

Analysis Batch: 100861

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100824

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1348	*+	mg/Kg		135	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1148		mg/Kg		115	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	140	S1+	70 - 130						
o-Terphenyl (Surr)	120		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100878/1-A

Matrix: Solid

Analysis Batch: 100913

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			01/24/25 00:54	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-100878/2-A						Client Sample ID: Lab Control Sample					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 100913											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	259.9		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-100878/3-A						Client Sample ID: Lab Control Sample Dup					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 100913											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	268.7		mg/Kg		107	90 - 110	3	20

Lab Sample ID: 880-53459-4 MS						Client Sample ID: HA-5 4.5'					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 100913											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	810		248	1041		mg/Kg		93	90 - 110		

Lab Sample ID: 880-53459-4 MSD						Client Sample ID: HA-5 4.5'					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 100913											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	810		248	1044		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

GC VOA

Analysis Batch: 100732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-1	HA-1 4.5'	Total/NA	Solid	8021B	100797
880-53459-2	HA-2 4.5'	Total/NA	Solid	8021B	100797
880-53459-3	HA-3 4.5'	Total/NA	Solid	8021B	100797
880-53459-4	HA-5 4.5'	Total/NA	Solid	8021B	100797
880-53459-5	HA-7 4.5'	Total/NA	Solid	8021B	100797
880-53459-6	HA-17 4.5'	Total/NA	Solid	8021B	100797
880-53459-7	HA-18 4.5'	Total/NA	Solid	8021B	100797
880-53459-8	HA-19 4.5'	Total/NA	Solid	8021B	100797
880-53459-9	HA-20 4.5'	Total/NA	Solid	8021B	100797
880-53459-10	HA-21 4.5'	Total/NA	Solid	8021B	100797
MB 880-100797/5-A	Method Blank	Total/NA	Solid	8021B	100797
LCS 880-100797/1-A	Lab Control Sample	Total/NA	Solid	8021B	100797
LCSD 880-100797/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100797
880-53459-1 MS	HA-1 4.5'	Total/NA	Solid	8021B	100797
880-53459-1 MSD	HA-1 4.5'	Total/NA	Solid	8021B	100797

Prep Batch: 100797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-1	HA-1 4.5'	Total/NA	Solid	5035	
880-53459-2	HA-2 4.5'	Total/NA	Solid	5035	
880-53459-3	HA-3 4.5'	Total/NA	Solid	5035	
880-53459-4	HA-5 4.5'	Total/NA	Solid	5035	
880-53459-5	HA-7 4.5'	Total/NA	Solid	5035	
880-53459-6	HA-17 4.5'	Total/NA	Solid	5035	
880-53459-7	HA-18 4.5'	Total/NA	Solid	5035	
880-53459-8	HA-19 4.5'	Total/NA	Solid	5035	
880-53459-9	HA-20 4.5'	Total/NA	Solid	5035	
880-53459-10	HA-21 4.5'	Total/NA	Solid	5035	
MB 880-100797/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100797/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100797/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53459-1 MS	HA-1 4.5'	Total/NA	Solid	5035	
880-53459-1 MSD	HA-1 4.5'	Total/NA	Solid	5035	

Analysis Batch: 100895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-1	HA-1 4.5'	Total/NA	Solid	Total BTEX	
880-53459-2	HA-2 4.5'	Total/NA	Solid	Total BTEX	
880-53459-3	HA-3 4.5'	Total/NA	Solid	Total BTEX	
880-53459-4	HA-5 4.5'	Total/NA	Solid	Total BTEX	
880-53459-5	HA-7 4.5'	Total/NA	Solid	Total BTEX	
880-53459-6	HA-17 4.5'	Total/NA	Solid	Total BTEX	
880-53459-7	HA-18 4.5'	Total/NA	Solid	Total BTEX	
880-53459-8	HA-19 4.5'	Total/NA	Solid	Total BTEX	
880-53459-9	HA-20 4.5'	Total/NA	Solid	Total BTEX	
880-53459-10	HA-21 4.5'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

GC Semi VOA

Prep Batch: 100802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-1	HA-1 4.5'	Total/NA	Solid	8015NM Prep	
880-53459-2	HA-2 4.5'	Total/NA	Solid	8015NM Prep	
880-53459-3	HA-3 4.5'	Total/NA	Solid	8015NM Prep	
880-53459-4	HA-5 4.5'	Total/NA	Solid	8015NM Prep	
MB 880-100802/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100802/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 100821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-5	HA-7 4.5'	Total/NA	Solid	8015NM Prep	
880-53459-6	HA-17 4.5'	Total/NA	Solid	8015NM Prep	
MB 880-100821/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100821/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100821/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 100822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-7	HA-18 4.5'	Total/NA	Solid	8015NM Prep	
880-53459-8	HA-19 4.5'	Total/NA	Solid	8015NM Prep	
MB 880-100822/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100822/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100822/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 100823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-9	HA-20 4.5'	Total/NA	Solid	8015NM Prep	
MB 880-100823/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100823/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100823/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 100824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-10	HA-21 4.5'	Total/NA	Solid	8015NM Prep	
MB 880-100824/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100824/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100824/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-5	HA-7 4.5'	Total/NA	Solid	8015B NM	100821
880-53459-6	HA-17 4.5'	Total/NA	Solid	8015B NM	100821
MB 880-100821/1-A	Method Blank	Total/NA	Solid	8015B NM	100821
LCS 880-100821/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100821
LCSD 880-100821/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100821

Analysis Batch: 100857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-7	HA-18 4.5'	Total/NA	Solid	8015B NM	100822
880-53459-8	HA-19 4.5'	Total/NA	Solid	8015B NM	100822
MB 880-100822/1-A	Method Blank	Total/NA	Solid	8015B NM	100822

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

GC Semi VOA (Continued)

Analysis Batch: 100857 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-100822/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100822
LCSD 880-100822/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100822

Analysis Batch: 100859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-9	HA-20 4.5'	Total/NA	Solid	8015B NM	100823
MB 880-100823/1-A	Method Blank	Total/NA	Solid	8015B NM	100823
LCS 880-100823/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100823
LCSD 880-100823/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100823

Analysis Batch: 100861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-10	HA-21 4.5'	Total/NA	Solid	8015B NM	100824
MB 880-100824/1-A	Method Blank	Total/NA	Solid	8015B NM	100824
LCS 880-100824/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100824
LCSD 880-100824/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100824

Analysis Batch: 100956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-1	HA-1 4.5'	Total/NA	Solid	8015 NM	
880-53459-2	HA-2 4.5'	Total/NA	Solid	8015 NM	
880-53459-3	HA-3 4.5'	Total/NA	Solid	8015 NM	
880-53459-4	HA-5 4.5'	Total/NA	Solid	8015 NM	
880-53459-5	HA-7 4.5'	Total/NA	Solid	8015 NM	
880-53459-6	HA-17 4.5'	Total/NA	Solid	8015 NM	
880-53459-7	HA-18 4.5'	Total/NA	Solid	8015 NM	
880-53459-8	HA-19 4.5'	Total/NA	Solid	8015 NM	
880-53459-9	HA-20 4.5'	Total/NA	Solid	8015 NM	
880-53459-10	HA-21 4.5'	Total/NA	Solid	8015 NM	

Analysis Batch: 101253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-1	HA-1 4.5'	Total/NA	Solid	8015B NM	100802
880-53459-2	HA-2 4.5'	Total/NA	Solid	8015B NM	100802
880-53459-3	HA-3 4.5'	Total/NA	Solid	8015B NM	100802
880-53459-4	HA-5 4.5'	Total/NA	Solid	8015B NM	100802
MB 880-100802/1-A	Method Blank	Total/NA	Solid	8015B NM	100802
LCS 880-100802/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100802
LCSD 880-100802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100802

HPLC/IC

Leach Batch: 100878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-1	HA-1 4.5'	Soluble	Solid	DI Leach	
880-53459-2	HA-2 4.5'	Soluble	Solid	DI Leach	
880-53459-3	HA-3 4.5'	Soluble	Solid	DI Leach	
880-53459-4	HA-5 4.5'	Soluble	Solid	DI Leach	
880-53459-5	HA-7 4.5'	Soluble	Solid	DI Leach	
880-53459-6	HA-17 4.5'	Soluble	Solid	DI Leach	
880-53459-7	HA-18 4.5'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

HPLC/IC (Continued)

Leach Batch: 100878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-8	HA-19 4.5'	Soluble	Solid	DI Leach	
880-53459-9	HA-20 4.5'	Soluble	Solid	DI Leach	
880-53459-10	HA-21 4.5'	Soluble	Solid	DI Leach	
MB 880-100878/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100878/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100878/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53459-4 MS	HA-5 4.5'	Soluble	Solid	DI Leach	
880-53459-4 MSD	HA-5 4.5'	Soluble	Solid	DI Leach	

Analysis Batch: 100913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53459-1	HA-1 4.5'	Soluble	Solid	300.0	100878
880-53459-2	HA-2 4.5'	Soluble	Solid	300.0	100878
880-53459-3	HA-3 4.5'	Soluble	Solid	300.0	100878
880-53459-4	HA-5 4.5'	Soluble	Solid	300.0	100878
880-53459-5	HA-7 4.5'	Soluble	Solid	300.0	100878
880-53459-6	HA-17 4.5'	Soluble	Solid	300.0	100878
880-53459-7	HA-18 4.5'	Soluble	Solid	300.0	100878
880-53459-8	HA-19 4.5'	Soluble	Solid	300.0	100878
880-53459-9	HA-20 4.5'	Soluble	Solid	300.0	100878
880-53459-10	HA-21 4.5'	Soluble	Solid	300.0	100878
MB 880-100878/1-A	Method Blank	Soluble	Solid	300.0	100878
LCS 880-100878/2-A	Lab Control Sample	Soluble	Solid	300.0	100878
LCSD 880-100878/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100878
880-53459-4 MS	HA-5 4.5'	Soluble	Solid	300.0	100878
880-53459-4 MSD	HA-5 4.5'	Soluble	Solid	300.0	100878

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-1 4.5'

Lab Sample ID: 880-53459-1

Date Collected: 01/17/25 09:25

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 17:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			100956	01/27/25 23:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 23:16	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 02:38	CH	EET MID

Client Sample ID: HA-2 4.5'

Lab Sample ID: 880-53459-2

Date Collected: 01/17/25 09:27

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 17:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			100956	01/27/25 23:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 23:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100913	01/24/25 02:46	CH	EET MID

Client Sample ID: HA-3 4.5'

Lab Sample ID: 880-53459-3

Date Collected: 01/17/25 09:31

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 18:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 18:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			100956	01/27/25 23:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 23:46	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 02:53	CH	EET MID

Client Sample ID: HA-5 4.5'

Lab Sample ID: 880-53459-4

Date Collected: 01/17/25 09:37

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 18:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-5 4.5'

Lab Sample ID: 880-53459-4

Date Collected: 01/17/25 09:37

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			100956	01/28/25 00:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/28/25 00:01	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 03:00	CH	EET MID

Client Sample ID: HA-7 4.5'

Lab Sample ID: 880-53459-5

Date Collected: 01/17/25 09:45

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 18:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 18:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			100956	01/22/25 12:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100821	01/21/25 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100854	01/22/25 12:32	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 03:23	CH	EET MID

Client Sample ID: HA-17 4.5'

Lab Sample ID: 880-53459-6

Date Collected: 01/17/25 09:49

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 19:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 19:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			100956	01/22/25 12:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100821	01/21/25 17:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100854	01/22/25 12:48	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 03:30	CH	EET MID

Client Sample ID: HA-18 4.5'

Lab Sample ID: 880-53459-7

Date Collected: 01/17/25 10:11

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 19:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 19:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			100956	01/22/25 12:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100822	01/21/25 17:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 12:32	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Client Sample ID: HA-18 4.5'

Lab Sample ID: 880-53459-7

Date Collected: 01/17/25 10:11

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 03:52	CH	EET MID

Client Sample ID: HA-19 4.5'

Lab Sample ID: 880-53459-8

Date Collected: 01/17/25 10:17

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 19:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 19:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			100956	01/22/25 12:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100822	01/21/25 17:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 12:48	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 04:00	CH	EET MID

Client Sample ID: HA-20 4.5'

Lab Sample ID: 880-53459-9

Date Collected: 01/17/25 10:24

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 20:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 20:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			100956	01/22/25 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	100823	01/21/25 17:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100859	01/22/25 13:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 04:07	CH	EET MID

Client Sample ID: HA-21 4.5'

Lab Sample ID: 880-53459-10

Date Collected: 01/17/25 10:32

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100797	01/21/25 14:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 20:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100895	01/21/25 20:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			100956	01/22/25 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100824	01/21/25 17:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100861	01/22/25 13:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 04:15	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53459-1
SDG: 25-0100-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53459-1	HA-1 4.5'	Solid	01/17/25 09:25	01/21/25 14:05
880-53459-2	HA-2 4.5'	Solid	01/17/25 09:27	01/21/25 14:05
880-53459-3	HA-3 4.5'	Solid	01/17/25 09:31	01/21/25 14:05
880-53459-4	HA-5 4.5'	Solid	01/17/25 09:37	01/21/25 14:05
880-53459-5	HA-7 4.5'	Solid	01/17/25 09:45	01/21/25 14:05
880-53459-6	HA-17 4.5'	Solid	01/17/25 09:49	01/21/25 14:05
880-53459-7	HA-18 4.5'	Solid	01/17/25 10:11	01/21/25 14:05
880-53459-8	HA-19 4.5'	Solid	01/17/25 10:17	01/21/25 14:05
880-53459-9	HA-20 4.5'	Solid	01/17/25 10:24	01/21/25 14:05
880-53459-10	HA-21 4.5'	Solid	01/17/25 10:32	01/21/25 14:05



[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-53459-1

SDG Number: 25-0100-01

Login Number: 53459

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 2/18/2025 3:55:07 PM

JOB DESCRIPTION

Waterfleet (Select)
25-0100-01

JOB NUMBER

880-54424-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

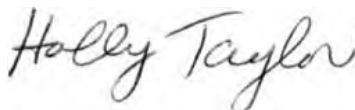
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Laboratory Job ID: 880-54424-1
SDG: 25-0100-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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: Larson & Associates, Inc.
Project: Waterfleet (Select)

Job ID: 880-54424-1

Job ID: 880-54424-1

Eurofins Midland

Job Narrative 880-54424-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 2/13/2025 9:18 AM. 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 3.5°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-5 5.5' (880-54424-2) and HA-18 6.5' (880-54424-3). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: HA-2 6.5' (880-54424-1). Percent recoveries are based on the amount spiked.

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

HPLC/IC

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Client Sample ID: HA-2 6.5'

Lab Sample ID: 880-54424-1

Date Collected: 02/10/25 10:01

Matrix: Solid

Date Received: 02/13/25 09:18

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 16:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 16:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 16:51	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/13/25 11:04	02/13/25 16:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 16:51	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/13/25 11:04	02/13/25 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/13/25 11:04	02/13/25 16:51	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/13/25 11:04	02/13/25 16:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/13/25 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/14/25 21:47	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/14/25 14:53	02/14/25 21:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/14/25 14:53	02/14/25 21:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/14/25 14:53	02/14/25 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	174	S1+	70 - 130	02/14/25 14:53	02/14/25 21:47	1
o-Terphenyl (Surr)	156	S1+	70 - 130	02/14/25 14:53	02/14/25 21:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		9.92	mg/Kg			02/14/25 15:18	1

Client Sample ID: HA-5 5.5'

Lab Sample ID: 880-54424-2

Date Collected: 02/10/25 10:32

Matrix: Solid

Date Received: 02/13/25 09:18

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 17:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 17:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 17:12	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/13/25 11:04	02/13/25 17:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 17:12	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/13/25 11:04	02/13/25 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/13/25 11:04	02/13/25 17:12	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/13/25 11:04	02/13/25 17:12	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Client Sample ID: HA-5 5.5'

Lab Sample ID: 880-54424-2

Date Collected: 02/10/25 10:32

Matrix: Solid

Date Received: 02/13/25 09:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/13/25 17:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/14/25 13:37	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/13/25 20:01	02/14/25 13:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/13/25 20:01	02/14/25 13:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/13/25 20:01	02/14/25 13:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			02/13/25 20:01	02/14/25 13:37	1
o-Terphenyl (Surr)	67	S1-	70 - 130			02/13/25 20:01	02/14/25 13:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		10.1	mg/Kg			02/14/25 15:40	1

Client Sample ID: HA-18 6.5'

Lab Sample ID: 880-54424-3

Date Collected: 02/10/25 11:15

Matrix: Solid

Date Received: 02/13/25 09:18

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/13/25 11:04	02/13/25 17:32	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/13/25 11:04	02/13/25 17:32	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/13/25 11:04	02/13/25 17:32	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/13/25 11:04	02/13/25 17:32	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/13/25 11:04	02/13/25 17:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/13/25 11:04	02/13/25 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			02/13/25 11:04	02/13/25 17:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130			02/13/25 11:04	02/13/25 17:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/13/25 17:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/14/25 13:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/13/25 20:01	02/14/25 13:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/13/25 20:01	02/14/25 13:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Client Sample ID: HA-18 6.5'
Date Collected: 02/10/25 11:15
Date Received: 02/13/25 09:18

Lab Sample ID: 880-54424-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/13/25 20:01	02/14/25 13:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	79		70 - 130			02/13/25 20:01	02/14/25 13:53	1	
o-Terphenyl (Surr)	69	S1-	70 - 130			02/13/25 20:01	02/14/25 13:53	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	248		9.94	mg/Kg			02/14/25 15:48	1	

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-54424-1	HA-2 6.5'	104	95
880-54424-2	HA-5 5.5'	96	96
880-54424-3	HA-18 6.5'	99	100
LCS 880-102671/1-A	Lab Control Sample	95	97
LCSD 880-102671/2-A	Lab Control Sample Dup	103	100
MB 880-102671/5-A	Method Blank	96	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-54424-1	HA-2 6.5'	174 S1+	156 S1+
880-54424-2	HA-5 5.5'	77	67 S1-
880-54424-3	HA-18 6.5'	79	69 S1-
LCS 880-102509/2-A	Lab Control Sample	112	119
LCS 880-102749/2-A	Lab Control Sample	82	84
LCSD 880-102509/3-A	Lab Control Sample Dup	113	120
LCSD 880-102749/3-A	Lab Control Sample Dup	82	85
MB 880-102509/1-A	Method Blank	95	88
MB 880-102749/1-A	Method Blank	121	113
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102671/5-A

Matrix: Solid

Analysis Batch: 102674

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102671

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/13/25 08:10	02/13/25 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/13/25 08:10	02/13/25 11:11	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/13/25 08:10	02/13/25 11:11	1

Lab Sample ID: LCS 880-102671/1-A

Matrix: Solid

Analysis Batch: 102674

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09832		mg/Kg		98	70 - 130
Toluene	0.100	0.09665		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1000		mg/Kg		100	70 - 130
m,p-Xylenes	0.200	0.2128		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-102671/2-A

Matrix: Solid

Analysis Batch: 102674

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102671

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1050		mg/Kg		105	70 - 130	7	35
Toluene	0.100	0.09601		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.09999		mg/Kg		100	70 - 130	0	35
m,p-Xylenes	0.200	0.2122		mg/Kg		106	70 - 130	0	35
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-102509/1-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102509

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/11/25 14:53	02/14/25 15:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/11/25 14:53	02/14/25 15:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/11/25 14:53	02/14/25 15:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			02/11/25 14:53	02/14/25 15:21	1
o-Terphenyl (Surr)	88		70 - 130			02/11/25 14:53	02/14/25 15:21	1

Lab Sample ID: LCS 880-102509/2-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1009		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1059		mg/Kg		106	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	112		70 - 130				
o-Terphenyl (Surr)	119		70 - 130				

Lab Sample ID: LCSD 880-102509/3-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102509

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	995.8		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1093		mg/Kg		109	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	113		70 - 130						
o-Terphenyl (Surr)	120		70 - 130						

Lab Sample ID: MB 880-102749/1-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102749

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/13/25 20:01	02/14/25 09:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/13/25 20:01	02/14/25 09:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/25 20:01	02/14/25 09:06	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-102749/1-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102749

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
1-Chlorooctane (Surr)	121		70 - 130	02/13/25 20:01	02/14/25 09:06	1			
o-Terphenyl (Surr)	113		70 - 130	02/13/25 20:01	02/14/25 09:06	1			

Lab Sample ID: LCS 880-102749/2-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102749

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	993.7		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	990.9		mg/Kg		99	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	82		70 - 130								
o-Terphenyl (Surr)	84		70 - 130								

Lab Sample ID: LCSD 880-102749/3-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102749

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	837.7		mg/Kg		84	70 - 130	17	20	
Diesel Range Organics (Over C10-C28)			1000	836.6		mg/Kg		84	70 - 130	17	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	82		70 - 130									
o-Terphenyl (Surr)	85		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102773/1-A

Matrix: Solid

Analysis Batch: 102791

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac		
Chloride	<10.0	U	10.0	mg/Kg			02/14/25 14:11	1			

Lab Sample ID: LCS 880-102773/2-A

Matrix: Solid

Analysis Batch: 102791

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	243.6		mg/Kg		97	90 - 110		

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-102773/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 102791											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	250	246.5		mg/Kg		99	90 - 110	1	20		

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

GC VOA

Prep Batch: 102671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54424-1	HA-2 6.5'	Total/NA	Solid	5035	
880-54424-2	HA-5 5.5'	Total/NA	Solid	5035	
880-54424-3	HA-18 6.5'	Total/NA	Solid	5035	
MB 880-102671/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102671/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102671/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 102674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54424-1	HA-2 6.5'	Total/NA	Solid	8021B	102671
880-54424-2	HA-5 5.5'	Total/NA	Solid	8021B	102671
880-54424-3	HA-18 6.5'	Total/NA	Solid	8021B	102671
MB 880-102671/5-A	Method Blank	Total/NA	Solid	8021B	102671
LCS 880-102671/1-A	Lab Control Sample	Total/NA	Solid	8021B	102671
LCSD 880-102671/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102671

Analysis Batch: 102855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54424-1	HA-2 6.5'	Total/NA	Solid	Total BTEX	
880-54424-2	HA-5 5.5'	Total/NA	Solid	Total BTEX	
880-54424-3	HA-18 6.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 102509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54424-1	HA-2 6.5'	Total/NA	Solid	8015NM Prep	
MB 880-102509/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102509/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102509/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 102749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54424-2	HA-5 5.5'	Total/NA	Solid	8015NM Prep	
880-54424-3	HA-18 6.5'	Total/NA	Solid	8015NM Prep	
MB 880-102749/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102749/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54424-1	HA-2 6.5'	Total/NA	Solid	8015B NM	102509
880-54424-2	HA-5 5.5'	Total/NA	Solid	8015B NM	102749
880-54424-3	HA-18 6.5'	Total/NA	Solid	8015B NM	102749
MB 880-102509/1-A	Method Blank	Total/NA	Solid	8015B NM	102509
MB 880-102749/1-A	Method Blank	Total/NA	Solid	8015B NM	102749
LCS 880-102509/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102509
LCS 880-102749/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102749
LCSD 880-102509/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102509
LCSD 880-102749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102749

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

GC Semi VOA

Analysis Batch: 102846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54424-1	HA-2 6.5'	Total/NA	Solid	8015 NM	
880-54424-2	HA-5 5.5'	Total/NA	Solid	8015 NM	
880-54424-3	HA-18 6.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54424-1	HA-2 6.5'	Soluble	Solid	DI Leach	
880-54424-2	HA-5 5.5'	Soluble	Solid	DI Leach	
880-54424-3	HA-18 6.5'	Soluble	Solid	DI Leach	
MB 880-102773/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102773/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102773/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 102791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54424-1	HA-2 6.5'	Soluble	Solid	300.0	102773
880-54424-2	HA-5 5.5'	Soluble	Solid	300.0	102773
880-54424-3	HA-18 6.5'	Soluble	Solid	300.0	102773
MB 880-102773/1-A	Method Blank	Soluble	Solid	300.0	102773
LCS 880-102773/2-A	Lab Control Sample	Soluble	Solid	300.0	102773
LCSD 880-102773/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102773

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Client Sample ID: HA-2 6.5'

Lab Sample ID: 880-54424-1

Date Collected: 02/10/25 10:01

Matrix: Solid

Date Received: 02/13/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	102671	02/13/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102674	02/13/25 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102855	02/13/25 16:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102846	02/14/25 21:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102509	02/14/25 14:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102783	02/14/25 21:47	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102773	02/14/25 08:34	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102791	02/14/25 15:18	CH	EET MID

Client Sample ID: HA-5 5.5'

Lab Sample ID: 880-54424-2

Date Collected: 02/10/25 10:32

Matrix: Solid

Date Received: 02/13/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102671	02/13/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102674	02/13/25 17:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102855	02/13/25 17:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102846	02/14/25 13:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102749	02/13/25 20:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102783	02/14/25 13:37	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	102773	02/14/25 08:34	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102791	02/14/25 15:40	CH	EET MID

Client Sample ID: HA-18 6.5'

Lab Sample ID: 880-54424-3

Date Collected: 02/10/25 11:15

Matrix: Solid

Date Received: 02/13/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	102671	02/13/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102674	02/13/25 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102855	02/13/25 17:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102846	02/14/25 13:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102749	02/13/25 20:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102783	02/14/25 13:53	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102773	02/14/25 08:34	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102791	02/14/25 15:48	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54424-1
SDG: 25-0100-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54424-1	HA-2 6.5'	Solid	02/10/25 10:01	02/13/25 09:18
880-54424-2	HA-5 5.5'	Solid	02/10/25 10:32	02/13/25 09:18
880-54424-3	HA-18 6.5'	Solid	02/10/25 11:15	02/13/25 09:18

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Larson & Associates, Inc.
Environmental Consultants

507 N. Marientfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to: **DANIEL ST GERMAIN / MARK LARSON**

DATE: 2-13-25 PAGE 1 OF 1
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: WATERFLOET (SELECT)
LAI PROJECT #: 25-0100-01 COLLECTOR: LR

54424

No. 3199
CHAIN-OF-CUSTODY

TRRP report? ☐ Yes ☒ No		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER		PRESERVATION HCl HNO ₃ H ₂ SO ₄ ☐ NaOH ☐ ICE UNPRESERVED		ANALYSES BTEX ☐ MTBE ☐ TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ 8081 PESTICIDES ☐ 8082 PCBS ☐ TCDF - METALS (RCRA) ☐ TCDF - METALS (RCRA) ☐ TOTAL METALS (RCRA) ☐ LEAD - TOTAL ☐ RCL ☐ TDS ☐ TSS ☐ PH ☐ EXPLOSIVES ☐ CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	
TIME ZONE: Time zone/State:	TIME ZONE: Time zone/State:	TIME ZONE: Time zone/State:	TIME ZONE: Time zone/State:	TIME ZONE: Time zone/State:	TIME ZONE: Time zone/State:	TIME ZONE: Time zone/State:	TIME ZONE: Time zone/State:	TIME ZONE: Time zone/State:	TIME ZONE: Time zone/State:
Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE
HA-2 6.5'		2-10-25	10:01	S	1				
HA-5 5.5'			10:32	I					
HA-18 6.5'			11:15	I					
TOTAL 3									
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME									
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME									
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME									
LABORATORY: ENVROFINS									
TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐									
LABORATORY USE ONLY: RECEIVING TEMP: <u>30/35</u> THERM#: <u>128</u> CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # _____ ☐ HAND DELIVERED									



880-54424 Chain of Custody

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-54424-1

SDG Number: 25-0100-01

Login Number: 54424

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 1/29/2025 12:54:38 PM

JOB DESCRIPTION

Waterfleet (Select)
25-0100-01

JOB NUMBER

880-53460-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

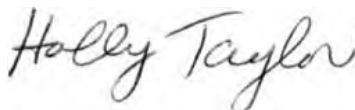
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
1/29/2025 12:54:38 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Laboratory Job ID: 880-53460-1
SDG: 25-0100-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

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: Larson & Associates, Inc.
Project: Waterfleet (Select)

Job ID: 880-53460-1

Job ID: 880-53460-1

Eurofins Midland

Job Narrative 880-53460-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/21/2025 2:05 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 -8.0°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-100801 and analytical batch 880-100733 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-30 4.5' (880-53460-30), C-33 4.5' (880-53460-33) and C-35 4.5' (880-53460-35). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-100798 and analytical batch 880-100938 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-100798 and analytical batch 880-100938 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: C-5 4.5' (880-53460-5), C-9 4.5' (880-53460-9), C-10 4.5' (880-53460-10), C-11 4.5' (880-53460-11), C-16 4.5' (880-53460-16), C-19 4.5' (880-53460-19), C-20 4.5' (880-53460-20) and (LCSD 880-100798/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-8 4.5' (880-53460-8) and (LCS 880-100798/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-100802 and analytical batch 880-101253 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: C-41 4.5' (880-53460-41), C-42 4.5' (880-53460-42), C-43 4.5' (880-53460-43), C-44 4.5' (880-53460-44), C-46 4.5' (880-53460-46), C-53 4.5' (880-53460-53) and C-54 4.5' (880-53460-54). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-45 4.5' (880-53460-45), C-47 4.5' (880-53460-47), C-48 4.5' (880-53460-48), C-49 4.5' (880-53460-49), C-50 4.5' (880-53460-50), C-52 4.5' (880-53460-52), C-55 4.5' (880-53460-55) and C-56 4.5' (880-53460-56). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch

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Case Narrative

Client: Larson & Associates, Inc.
Project: Waterfleet (Select)

Job ID: 880-53460-1

Job ID: 880-53460-1 (Continued)

Eurofins Midland

880-100880 and analytical batch 880-100987 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-1 4.5'

Lab Sample ID: 880-53460-1

Date Collected: 01/20/25 08:41

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 04:03	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 04:03	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 04:03	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 04:03	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 04:03	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 04:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	01/21/25 15:10	01/22/25 04:03	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/21/25 15:10	01/22/25 04:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/22/25 04:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 18:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 18:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 18:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	01/21/25 15:08	01/23/25 18:46	1
o-Terphenyl (Surr)	79		70 - 130	01/21/25 15:08	01/23/25 18:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96	mg/Kg			01/24/25 04:22	1

Client Sample ID: C-2 4.5'

Lab Sample ID: 880-53460-2

Date Collected: 01/20/25 08:45

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 04:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 04:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 04:24	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 04:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 04:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 04:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/21/25 15:10	01/22/25 04:24	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/21/25 15:10	01/22/25 04:24	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-2 4.5'

Lab Sample ID: 880-53460-2

Date Collected: 01/20/25 08:45

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/22/25 04:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 19:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 19:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 19:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130	01/21/25 15:08	01/23/25 19:31	1
o-Terphenyl (Surr)	73		70 - 130	01/21/25 15:08	01/23/25 19:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92	mg/Kg			01/24/25 04:30	1

Client Sample ID: C-3 4.5'

Lab Sample ID: 880-53460-3

Date Collected: 01/20/25 08:50

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 04:44	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 04:44	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 04:44	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/22/25 04:44	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 04:44	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/22/25 04:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/21/25 15:10	01/22/25 04:44	1
1,4-Difluorobenzene (Surr)	83		70 - 130	01/21/25 15:10	01/22/25 04:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/22/25 04:44	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/23/25 19:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7	mg/Kg		01/21/25 15:08	01/23/25 19:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7	mg/Kg		01/21/25 15:08	01/23/25 19:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-3 4.5'

Lab Sample ID: 880-53460-3

Date Collected: 01/20/25 08:50

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/21/25 15:08	01/23/25 19:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			01/21/25 15:08	01/23/25 19:45	1
o-Terphenyl (Surr)	85		70 - 130			01/21/25 15:08	01/23/25 19:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1	mg/Kg			01/24/25 04:37	1

Client Sample ID: C-4 4.5'

Lab Sample ID: 880-53460-4

Date Collected: 01/20/25 08:52

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 05:05	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 05:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 05:05	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 05:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 05:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 05:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/21/25 15:10	01/22/25 05:05	1
1,4-Difluorobenzene (Surr)	91		70 - 130			01/21/25 15:10	01/22/25 05:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/22/25 05:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 20:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 20:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 20:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130			01/21/25 15:08	01/23/25 20:00	1
o-Terphenyl (Surr)	73		70 - 130			01/21/25 15:08	01/23/25 20:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.1		10.1	mg/Kg			01/23/25 13:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-5 4.5'

Lab Sample ID: 880-53460-5

Date Collected: 01/20/25 09:00

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 05:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 05:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 05:25	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 05:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 05:25	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 05:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/21/25 15:10	01/22/25 05:25	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/21/25 15:10	01/22/25 05:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/22/25 05:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 20:13	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 20:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 20:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:08	01/23/25 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	66	S1-	70 - 130	01/21/25 15:08	01/23/25 20:13	1
o-Terphenyl (Surr)	68	S1-	70 - 130	01/21/25 15:08	01/23/25 20:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		10.1	mg/Kg			01/23/25 13:45	1

Client Sample ID: C-6 4.5'

Lab Sample ID: 880-53460-6

Date Collected: 01/20/25 09:02

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 05:46	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 05:46	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 05:46	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/22/25 05:46	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 05:46	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/22/25 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/21/25 15:10	01/22/25 05:46	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/21/25 15:10	01/22/25 05:46	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-6 4.5'

Lab Sample ID: 880-53460-6

Date Collected: 01/20/25 09:02

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/22/25 05:46	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 20:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 20:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 20:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:08	01/23/25 20:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130			01/21/25 15:08	01/23/25 20:29	1
o-Terphenyl (Surr)	71		70 - 130			01/21/25 15:08	01/23/25 20:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.0		10.0	mg/Kg			01/23/25 13:51	1

Client Sample ID: C-7 4.5'

Lab Sample ID: 880-53460-7

Date Collected: 01/20/25 09:04

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 06:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 06:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 06:06	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/22/25 06:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 06:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/22/25 06:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			01/21/25 15:10	01/22/25 06:06	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/21/25 15:10	01/22/25 06:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/22/25 06:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 20:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9	mg/Kg		01/21/25 15:08	01/23/25 20:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	mg/Kg		01/21/25 15:08	01/23/25 20:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-7 4.5'

Lab Sample ID: 880-53460-7

Date Collected: 01/20/25 09:04

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:08	01/23/25 20:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	70		70 - 130			01/21/25 15:08	01/23/25 20:43	1
o-Terphenyl (Surr)	70		70 - 130			01/21/25 15:08	01/23/25 20:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		9.96	mg/Kg			01/23/25 13:56	1

Client Sample ID: C-8 4.5'

Lab Sample ID: 880-53460-8

Date Collected: 01/20/25 09:07

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 06:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 06:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 06:27	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 06:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 06:27	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 06:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			01/21/25 15:10	01/22/25 06:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130			01/21/25 15:10	01/22/25 06:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/22/25 06:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 20:58	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 20:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 20:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 20:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130			01/21/25 15:08	01/23/25 20:58	1
o-Terphenyl (Surr)	70		70 - 130			01/21/25 15:08	01/23/25 20:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	477		9.98	mg/Kg			01/23/25 14:02	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-9 4.5'

Lab Sample ID: 880-53460-9

Date Collected: 01/20/25 09:13

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 06:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 06:47	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 06:47	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/22/25 06:47	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 06:47	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/22/25 06:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/21/25 15:10	01/22/25 06:47	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/21/25 15:10	01/22/25 06:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/22/25 06:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/23/25 21:12	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7	mg/Kg		01/21/25 15:08	01/23/25 21:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7	mg/Kg		01/21/25 15:08	01/23/25 21:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/21/25 15:08	01/23/25 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	66	S1-	70 - 130	01/21/25 15:08	01/23/25 21:12	1
o-Terphenyl (Surr)	67	S1-	70 - 130	01/21/25 15:08	01/23/25 21:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.2		9.94	mg/Kg			01/23/25 14:20	1

Client Sample ID: C-10 4.5'

Lab Sample ID: 880-53460-10

Date Collected: 01/20/25 09:16

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 07:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 07:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 07:08	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 07:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 07:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 07:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/21/25 15:10	01/22/25 07:08	1
1,4-Difluorobenzene (Surr)	74		70 - 130	01/21/25 15:10	01/22/25 07:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-10 4.5'

Lab Sample ID: 880-53460-10

Date Collected: 01/20/25 09:16

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/22/25 07:08	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 21:27	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 21:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 21:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	64	S1-	70 - 130	01/21/25 15:08	01/23/25 21:27	1
o-Terphenyl (Surr)	66	S1-	70 - 130	01/21/25 15:08	01/23/25 21:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	760		9.96	mg/Kg			01/23/25 14:26	1

Client Sample ID: C-11 4.5'

Lab Sample ID: 880-53460-11

Date Collected: 01/20/25 09:19

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 08:31	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 08:31	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 08:31	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/22/25 08:31	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/22/25 08:31	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/22/25 08:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/21/25 15:10	01/22/25 08:31	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/21/25 15:10	01/22/25 08:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/22/25 08:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 21:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 21:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 21:56	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-11 4.5'

Lab Sample ID: 880-53460-11

Date Collected: 01/20/25 09:19

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:08	01/23/25 21:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130			01/21/25 15:08	01/23/25 21:56	1
o-Terphenyl (Surr)	71		70 - 130			01/21/25 15:08	01/23/25 21:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	932		9.98	mg/Kg			01/23/25 14:32	1

Client Sample ID: C-12 4.5'

Lab Sample ID: 880-53460-12

Date Collected: 01/20/25 09:25

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 08:52	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 08:52	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 08:52	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 08:52	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 08:52	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 08:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			01/21/25 15:10	01/22/25 08:52	1
1,4-Difluorobenzene (Surr)	92		70 - 130			01/21/25 15:10	01/22/25 08:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/22/25 08:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 22:11	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9	mg/Kg		01/21/25 15:08	01/23/25 22:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	mg/Kg		01/21/25 15:08	01/23/25 22:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:08	01/23/25 22:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			01/21/25 15:08	01/23/25 22:11	1
o-Terphenyl (Surr)	77		70 - 130			01/21/25 15:08	01/23/25 22:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1820		49.6	mg/Kg			01/23/25 14:38	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-13 4.5'

Lab Sample ID: 880-53460-13

Date Collected: 01/20/25 09:29

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 09:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 09:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 09:12	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 09:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 09:12	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 09:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/21/25 15:10	01/22/25 09:12	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/21/25 15:10	01/22/25 09:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/22/25 09:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 22:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 22:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 22:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:08	01/23/25 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	01/21/25 15:08	01/23/25 22:25	1
o-Terphenyl (Surr)	80		70 - 130	01/21/25 15:08	01/23/25 22:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		50.4	mg/Kg			01/23/25 14:44	5

Client Sample ID: C-14 4.5'

Lab Sample ID: 880-53460-14

Date Collected: 01/20/25 09:31

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 09:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 09:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 09:33	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/22/25 09:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 09:33	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/22/25 09:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/21/25 15:10	01/22/25 09:33	1
1,4-Difluorobenzene (Surr)	80		70 - 130	01/21/25 15:10	01/22/25 09:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-14 4.5'

Lab Sample ID: 880-53460-14

Date Collected: 01/20/25 09:31

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/22/25 09:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 22:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 22:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 22:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 22:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130			01/21/25 15:08	01/23/25 22:41	1
o-Terphenyl (Surr)	75		70 - 130			01/21/25 15:08	01/23/25 22:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	313		9.96	mg/Kg			01/23/25 14:49	1

Client Sample ID: C-15 4.5'

Lab Sample ID: 880-53460-15

Date Collected: 01/20/25 09:35

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 09:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 09:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 09:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 09:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 09:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 09:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			01/21/25 15:10	01/22/25 09:53	1
1,4-Difluorobenzene (Surr)	79		70 - 130			01/21/25 15:10	01/22/25 09:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/22/25 09:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 22:55	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9	mg/Kg		01/21/25 15:08	01/23/25 22:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	mg/Kg		01/21/25 15:08	01/23/25 22:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-15 4.5'

Lab Sample ID: 880-53460-15

Date Collected: 01/20/25 09:35

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:08	01/23/25 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			01/21/25 15:08	01/23/25 22:55	1
o-Terphenyl (Surr)	78		70 - 130			01/21/25 15:08	01/23/25 22:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	234		9.92	mg/Kg			01/23/25 15:07	1

Client Sample ID: C-16 4.5'

Lab Sample ID: 880-53460-16

Date Collected: 01/20/25 09:42

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 10:14	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 10:14	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 10:14	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 10:14	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 10:14	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 10:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			01/21/25 15:10	01/22/25 10:14	1
1,4-Difluorobenzene (Surr)	84		70 - 130			01/21/25 15:10	01/22/25 10:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/22/25 10:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 23:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 23:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 23:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:08	01/23/25 23:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	67	S1-	70 - 130			01/21/25 15:08	01/23/25 23:10	1
o-Terphenyl (Surr)	66	S1-	70 - 130			01/21/25 15:08	01/23/25 23:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		10.1	mg/Kg			01/23/25 15:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-17 4.5'

Lab Sample ID: 880-53460-17

Date Collected: 01/20/25 09:48

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 10:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 10:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 10:34	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 10:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/22/25 10:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/22/25 10:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/21/25 15:10	01/22/25 10:34	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/21/25 15:10	01/22/25 10:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/22/25 10:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 23:24	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 23:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/23/25 23:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:08	01/23/25 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130	01/21/25 15:08	01/23/25 23:24	1
o-Terphenyl (Surr)	72		70 - 130	01/21/25 15:08	01/23/25 23:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.5		9.94	mg/Kg			01/23/25 17:35	1

Client Sample ID: C-18 4.5'

Lab Sample ID: 880-53460-18

Date Collected: 01/20/25 09:53

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 10:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 10:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 10:55	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/22/25 10:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 10:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/22/25 10:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/21/25 15:10	01/22/25 10:55	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/21/25 15:10	01/22/25 10:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-18 4.5'

Lab Sample ID: 880-53460-18

Date Collected: 01/20/25 09:53

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/22/25 10:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/23/25 23:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7	mg/Kg		01/21/25 15:08	01/23/25 23:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7	mg/Kg		01/21/25 15:08	01/23/25 23:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/21/25 15:08	01/23/25 23:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130			01/21/25 15:08	01/23/25 23:39	1
o-Terphenyl (Surr)	74		70 - 130			01/21/25 15:08	01/23/25 23:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.5		9.98	mg/Kg			01/23/25 17:40	1

Client Sample ID: C-19 4.5'

Lab Sample ID: 880-53460-19

Date Collected: 01/20/25 09:57

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 11:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 11:15	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 11:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 11:15	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 11:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			01/21/25 15:10	01/22/25 11:15	1
1,4-Difluorobenzene (Surr)	90		70 - 130			01/21/25 15:10	01/22/25 11:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/22/25 11:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 23:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 23:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		01/21/25 15:08	01/23/25 23:54	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-19 4.5'

Lab Sample ID: 880-53460-19

Date Collected: 01/20/25 09:57

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 23:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	64	S1-	70 - 130			01/21/25 15:08	01/23/25 23:54	1
o-Terphenyl (Surr)	64	S1-	70 - 130			01/21/25 15:08	01/23/25 23:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		10.0	mg/Kg			01/23/25 17:46	1

Client Sample ID: C-20 4.5'

Lab Sample ID: 880-53460-20

Date Collected: 01/20/25 10:06

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 11:36	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 11:36	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 11:36	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 11:36	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 11:36	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 11:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			01/21/25 15:10	01/22/25 11:36	1
1,4-Difluorobenzene (Surr)	78		70 - 130			01/21/25 15:10	01/22/25 11:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/22/25 11:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/25 00:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/24/25 00:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		01/21/25 15:08	01/24/25 00:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:08	01/24/25 00:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	65	S1-	70 - 130			01/21/25 15:08	01/24/25 00:08	1
o-Terphenyl (Surr)	64	S1-	70 - 130			01/21/25 15:08	01/24/25 00:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1	mg/Kg			01/23/25 17:52	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-21 4.5'

Lab Sample ID: 880-53460-21

Date Collected: 01/20/25 10:09

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/21/25 18:02	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/21/25 18:02	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/21/25 18:02	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:12	01/21/25 18:02	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/21/25 18:02	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:12	01/21/25 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	01/21/25 15:12	01/21/25 18:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130	01/21/25 15:12	01/21/25 18:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/21/25 18:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 19:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 19:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 19:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	01/21/25 15:11	01/23/25 19:05	1
o-Terphenyl (Surr)	82		70 - 130	01/21/25 15:11	01/23/25 19:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		10.0	mg/Kg			01/23/25 17:58	1

Client Sample ID: C-22 4.5'

Lab Sample ID: 880-53460-22

Date Collected: 01/20/25 10:14

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 18:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 18:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 18:22	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/21/25 18:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 18:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/21/25 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	01/21/25 15:12	01/21/25 18:22	1
1,4-Difluorobenzene (Surr)	106		70 - 130	01/21/25 15:12	01/21/25 18:22	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-22 4.5'

Lab Sample ID: 880-53460-22

Date Collected: 01/20/25 10:14

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 18:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 19:51	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/23/25 19:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/23/25 19:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/23/25 19:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			01/21/25 15:11	01/23/25 19:51	1
o-Terphenyl (Surr)	78		70 - 130			01/21/25 15:11	01/23/25 19:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.6		9.94	mg/Kg			01/23/25 18:04	1

Client Sample ID: C-23 4.5'

Lab Sample ID: 880-53460-23

Date Collected: 01/20/25 10:21

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 18:43	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 18:43	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 18:43	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 15:12	01/21/25 18:43	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 18:43	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 15:12	01/21/25 18:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			01/21/25 15:12	01/21/25 18:43	1
1,4-Difluorobenzene (Surr)	109		70 - 130			01/21/25 15:12	01/21/25 18:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/21/25 18:43	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 20:07	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 20:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 20:07	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-23 4.5'

Lab Sample ID: 880-53460-23

Date Collected: 01/20/25 10:21

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 20:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			01/21/25 15:11	01/23/25 20:07	1
o-Terphenyl (Surr)	72		70 - 130			01/21/25 15:11	01/23/25 20:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.3		10.0	mg/Kg			01/23/25 18:10	1

Client Sample ID: C-24 4.5'

Lab Sample ID: 880-53460-24

Date Collected: 01/20/25 10:27

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 19:03	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 19:03	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 19:03	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/21/25 19:03	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 19:03	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/21/25 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			01/21/25 15:12	01/21/25 19:03	1
1,4-Difluorobenzene (Surr)	104		70 - 130			01/21/25 15:12	01/21/25 19:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 19:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/23/25 20:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		01/21/25 15:11	01/23/25 20:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/21/25 15:11	01/23/25 20:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/21/25 15:11	01/23/25 20:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			01/21/25 15:11	01/23/25 20:23	1
o-Terphenyl (Surr)	79		70 - 130			01/21/25 15:11	01/23/25 20:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3340	F1	49.7	mg/Kg			01/23/25 20:10	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-25 4.5'

Lab Sample ID: 880-53460-25

Date Collected: 01/20/25 10:29

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 19:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 19:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 19:23	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/21/25 19:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 19:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/21/25 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	01/21/25 15:12	01/21/25 19:23	1
1,4-Difluorobenzene (Surr)	109		70 - 130	01/21/25 15:12	01/21/25 19:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/21/25 19:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 20:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 20:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 20:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	01/21/25 15:11	01/23/25 20:38	1
o-Terphenyl (Surr)	76		70 - 130	01/21/25 15:11	01/23/25 20:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.5		9.92	mg/Kg			01/23/25 20:27	1

Client Sample ID: C-26 4.5'

Lab Sample ID: 880-53460-26

Date Collected: 01/20/25 10:35

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 19:44	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 19:44	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 19:44	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 15:12	01/21/25 19:44	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 19:44	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 15:12	01/21/25 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	01/21/25 15:12	01/21/25 19:44	1
1,4-Difluorobenzene (Surr)	110		70 - 130	01/21/25 15:12	01/21/25 19:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-26 4.5'

Lab Sample ID: 880-53460-26

Date Collected: 01/20/25 10:35

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/21/25 19:44	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 20:55	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 20:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 20:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 20:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130			01/21/25 15:11	01/23/25 20:55	1
o-Terphenyl (Surr)	69	S1-	70 - 130			01/21/25 15:11	01/23/25 20:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	948		10.1	mg/Kg			01/23/25 20:32	1

Client Sample ID: C-27 4.5'

Lab Sample ID: 880-53460-27

Date Collected: 01/20/25 10:41

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 20:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 20:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 20:04	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 15:12	01/21/25 20:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 20:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 15:12	01/21/25 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			01/21/25 15:12	01/21/25 20:04	1
1,4-Difluorobenzene (Surr)	106		70 - 130			01/21/25 15:12	01/21/25 20:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/21/25 20:04	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 21:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/23/25 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/23/25 21:10	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-27 4.5'

Lab Sample ID: 880-53460-27

Date Collected: 01/20/25 10:41

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/23/25 21:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			01/21/25 15:11	01/23/25 21:10	1
o-Terphenyl (Surr)	72		70 - 130			01/21/25 15:11	01/23/25 21:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	852		9.96	mg/Kg			01/23/25 20:38	1

Client Sample ID: C-28 4.5'

Lab Sample ID: 880-53460-28

Date Collected: 01/20/25 10:45

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 20:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 20:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 20:25	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/21/25 20:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 20:25	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/21/25 20:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			01/21/25 15:12	01/21/25 20:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130			01/21/25 15:12	01/21/25 20:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/21/25 20:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 21:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 21:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 21:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 21:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130			01/21/25 15:11	01/23/25 21:26	1
o-Terphenyl (Surr)	68	S1-	70 - 130			01/21/25 15:11	01/23/25 21:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		9.98	mg/Kg			01/23/25 20:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-29 4.5'

Lab Sample ID: 880-53460-29

Date Collected: 01/20/25 10:49

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 20:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 20:45	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 20:45	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 15:12	01/21/25 20:45	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 20:45	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 15:12	01/21/25 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	01/21/25 15:12	01/21/25 20:45	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/21/25 15:12	01/21/25 20:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/21/25 20:45	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 21:41	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 21:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 21:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130	01/21/25 15:11	01/23/25 21:41	1
o-Terphenyl (Surr)	70		70 - 130	01/21/25 15:11	01/23/25 21:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4160		50.4	mg/Kg			01/23/25 21:01	5

Client Sample ID: C-30 4.5'

Lab Sample ID: 880-53460-30

Date Collected: 01/20/25 10:52

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 21:06	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 21:06	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 21:06	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/21/25 21:06	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/21/25 21:06	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/21/25 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	01/21/25 15:12	01/21/25 21:06	1
1,4-Difluorobenzene (Surr)	114		70 - 130	01/21/25 15:12	01/21/25 21:06	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-30 4.5'

Lab Sample ID: 880-53460-30

Date Collected: 01/20/25 10:52

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 21:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 21:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 21:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 21:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 21:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130			01/21/25 15:11	01/23/25 21:57	1
o-Terphenyl (Surr)	71		70 - 130			01/21/25 15:11	01/23/25 21:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		9.94	mg/Kg			01/23/25 21:06	1

Client Sample ID: C-31 4.5'

Lab Sample ID: 880-53460-31

Date Collected: 01/20/25 10:57

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 22:55	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 22:55	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 22:55	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 15:12	01/21/25 22:55	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:12	01/21/25 22:55	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 15:12	01/21/25 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			01/21/25 15:12	01/21/25 22:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130			01/21/25 15:12	01/21/25 22:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/21/25 22:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 22:28	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 22:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 22:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-31 4.5'

Lab Sample ID: 880-53460-31

Date Collected: 01/20/25 10:57

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 22:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130			01/21/25 15:11	01/23/25 22:28	1
o-Terphenyl (Surr)	69	S1-	70 - 130			01/21/25 15:11	01/23/25 22:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		9.92	mg/Kg			01/23/25 21:12	1

Client Sample ID: C-32 4.5'

Lab Sample ID: 880-53460-32

Date Collected: 01/20/25 10:59

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/21/25 23:16	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/21/25 23:16	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/21/25 23:16	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:12	01/21/25 23:16	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/21/25 23:16	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:12	01/21/25 23:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			01/21/25 15:12	01/21/25 23:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130			01/21/25 15:12	01/21/25 23:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/21/25 23:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 22:44	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 22:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 22:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 22:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/21/25 15:11	01/23/25 22:44	1
o-Terphenyl (Surr)	75		70 - 130			01/21/25 15:11	01/23/25 22:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		10.1	mg/Kg			01/23/25 21:18	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-33 4.5'

Lab Sample ID: 880-53460-33

Date Collected: 01/20/25 11:07

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 23:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 23:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 23:36	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/21/25 23:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 23:36	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/21/25 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130	01/21/25 15:12	01/21/25 23:36	1
1,4-Difluorobenzene (Surr)	119		70 - 130	01/21/25 15:12	01/21/25 23:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/21/25 23:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 23:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 23:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130	01/21/25 15:11	01/23/25 23:00	1
o-Terphenyl (Surr)	76		70 - 130	01/21/25 15:11	01/23/25 23:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		9.94	mg/Kg			01/23/25 21:23	1

Client Sample ID: C-34 4.5'

Lab Sample ID: 880-53460-34

Date Collected: 01/20/25 11:09

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 23:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 23:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 23:57	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 15:12	01/21/25 23:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 23:57	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 15:12	01/21/25 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	01/21/25 15:12	01/21/25 23:57	1
1,4-Difluorobenzene (Surr)	112		70 - 130	01/21/25 15:12	01/21/25 23:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-34 4.5'

Lab Sample ID: 880-53460-34

Date Collected: 01/20/25 11:09

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/21/25 23:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/23/25 23:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 23:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 23:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:11	01/23/25 23:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			01/21/25 15:11	01/23/25 23:15	1
o-Terphenyl (Surr)	84		70 - 130			01/21/25 15:11	01/23/25 23:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		10.0	mg/Kg			01/23/25 21:29	1

Client Sample ID: C-35 4.5'

Lab Sample ID: 880-53460-35

Date Collected: 01/20/25 11:14

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/22/25 00:17	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/22/25 00:17	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/22/25 00:17	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/22/25 00:17	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/22/25 00:17	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/22/25 00:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	200	S1+	70 - 130			01/21/25 15:12	01/22/25 00:17	1
1,4-Difluorobenzene (Surr)	118		70 - 130			01/21/25 15:12	01/22/25 00:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/22/25 00:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 23:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 23:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 23:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-35 4.5'

Lab Sample ID: 880-53460-35

Date Collected: 01/20/25 11:14

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 23:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			01/21/25 15:11	01/23/25 23:31	1
o-Terphenyl (Surr)	87		70 - 130			01/21/25 15:11	01/23/25 23:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		9.92	mg/Kg			01/23/25 21:46	1

Client Sample ID: C-36 4.5'

Lab Sample ID: 880-53460-36

Date Collected: 01/20/25 11:18

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/22/25 00:38	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/22/25 00:38	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/22/25 00:38	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:12	01/22/25 00:38	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/22/25 00:38	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:12	01/22/25 00:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			01/21/25 15:12	01/22/25 00:38	1
1,4-Difluorobenzene (Surr)	108		70 - 130			01/21/25 15:12	01/22/25 00:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/22/25 00:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/23/25 23:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 23:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 23:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/23/25 23:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/21/25 15:11	01/23/25 23:46	1
o-Terphenyl (Surr)	73		70 - 130			01/21/25 15:11	01/23/25 23:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.2		10.1	mg/Kg			01/23/25 21:52	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-37 4.5'

Lab Sample ID: 880-53460-37

Date Collected: 01/20/25 11:25

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/22/25 00:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/22/25 00:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/22/25 00:58	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/22/25 00:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:12	01/22/25 00:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:12	01/22/25 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	01/21/25 15:12	01/22/25 00:58	1
1,4-Difluorobenzene (Surr)	106		70 - 130	01/21/25 15:12	01/22/25 00:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/22/25 00:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/24/25 00:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		01/21/25 15:11	01/24/25 00:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/21/25 15:11	01/24/25 00:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/21/25 15:11	01/24/25 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130	01/21/25 15:11	01/24/25 00:02	1
o-Terphenyl (Surr)	69	S1-	70 - 130	01/21/25 15:11	01/24/25 00:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			01/23/25 22:09	1

Client Sample ID: C-38 4.5'

Lab Sample ID: 880-53460-38

Date Collected: 01/20/25 11:29

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/22/25 01:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/22/25 01:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/22/25 01:19	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 15:12	01/22/25 01:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/22/25 01:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 15:12	01/22/25 01:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	01/21/25 15:12	01/22/25 01:19	1
1,4-Difluorobenzene (Surr)	106		70 - 130	01/21/25 15:12	01/22/25 01:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-38 4.5'

Lab Sample ID: 880-53460-38

Date Collected: 01/20/25 11:29

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/22/25 01:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/25 00:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/24/25 00:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/24/25 00:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/24/25 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130	01/21/25 15:11	01/24/25 00:18	1
o-Terphenyl (Surr)	63	S1-	70 - 130	01/21/25 15:11	01/24/25 00:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			01/23/25 22:14	1

Client Sample ID: C-39 4.5'

Lab Sample ID: 880-53460-39

Date Collected: 01/20/25 11:32

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/22/25 01:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/22/25 01:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/22/25 01:39	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/22/25 01:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/22/25 01:39	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/22/25 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	01/21/25 15:12	01/22/25 01:39	1
1,4-Difluorobenzene (Surr)	106		70 - 130	01/21/25 15:12	01/22/25 01:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/22/25 01:39	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/25 00:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/24/25 00:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/24/25 00:33	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-39 4.5'

Lab Sample ID: 880-53460-39

Date Collected: 01/20/25 11:32

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/24/25 00:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130			01/21/25 15:11	01/24/25 00:33	1
o-Terphenyl (Surr)	68	S1-	70 - 130			01/21/25 15:11	01/24/25 00:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	302		10.1	mg/Kg			01/23/25 22:20	1

Client Sample ID: C-40 4.5'

Lab Sample ID: 880-53460-40

Date Collected: 01/20/25 11:34

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/22/25 01:59	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/22/25 01:59	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/22/25 01:59	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:12	01/22/25 01:59	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:12	01/22/25 01:59	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:12	01/22/25 01:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			01/21/25 15:12	01/22/25 01:59	1
1,4-Difluorobenzene (Surr)	110		70 - 130			01/21/25 15:12	01/22/25 01:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/22/25 01:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/25 00:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/24/25 00:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/24/25 00:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:11	01/24/25 00:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	67	S1-	70 - 130			01/21/25 15:11	01/24/25 00:49	1
o-Terphenyl (Surr)	61	S1-	70 - 130			01/21/25 15:11	01/24/25 00:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		49.8	mg/Kg			01/23/25 22:26	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-41 4.5'

Lab Sample ID: 880-53460-41

Date Collected: 01/20/25 11:40

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/21/25 21:53	1
Toluene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/21/25 21:53	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/21/25 21:53	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/21/25 21:53	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		01/21/25 15:10	01/21/25 21:53	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		01/21/25 15:10	01/21/25 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	01/21/25 15:10	01/21/25 21:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/21/25 15:10	01/21/25 21:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/21/25 21:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/27/25 18:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 18:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 18:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	193	S1+	70 - 130	01/21/25 15:16	01/27/25 18:26	1
o-Terphenyl (Surr)	156	S1+	70 - 130	01/21/25 15:16	01/27/25 18:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		9.98	mg/Kg			01/23/25 22:31	1

Client Sample ID: C-42 4.5'

Lab Sample ID: 880-53460-42

Date Collected: 01/20/25 11:45

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 22:13	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 22:13	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 22:13	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/21/25 22:13	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 22:13	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/21/25 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/21/25 15:10	01/21/25 22:13	1
1,4-Difluorobenzene (Surr)	83		70 - 130	01/21/25 15:10	01/21/25 22:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-42 4.5'

Lab Sample ID: 880-53460-42

Date Collected: 01/20/25 11:45

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/21/25 22:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/27/25 19:12	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 19:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 19:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	161	S1+	70 - 130	01/21/25 15:16	01/27/25 19:12	1
o-Terphenyl (Surr)	132	S1+	70 - 130	01/21/25 15:16	01/27/25 19:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5590		101	mg/Kg			01/23/25 22:37	10

Client Sample ID: C-43 4.5'

Lab Sample ID: 880-53460-43

Date Collected: 01/20/25 11:49

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 22:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 22:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 22:34	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/21/25 22:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 22:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/21/25 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/21/25 15:10	01/21/25 22:34	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/21/25 15:10	01/21/25 22:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/21/25 22:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/27/25 19:28	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 19:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 19:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-43 4.5'

Lab Sample ID: 880-53460-43

Date Collected: 01/20/25 11:49

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 19:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	159	S1+	70 - 130			01/21/25 15:16	01/27/25 19:28	1
o-Terphenyl (Surr)	131	S1+	70 - 130			01/21/25 15:16	01/27/25 19:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7360		101	mg/Kg			01/23/25 22:43	10

Client Sample ID: C-44 4.5'

Lab Sample ID: 880-53460-44

Date Collected: 01/20/25 11:52

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 22:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 22:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 22:55	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/21/25 22:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 22:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/21/25 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			01/21/25 15:10	01/21/25 22:55	1
1,4-Difluorobenzene (Surr)	91		70 - 130			01/21/25 15:10	01/21/25 22:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/21/25 22:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/27/25 19:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		01/21/25 15:16	01/27/25 19:42	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/21/25 15:16	01/27/25 19:42	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/21/25 15:16	01/27/25 19:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	169	S1+	70 - 130			01/21/25 15:16	01/27/25 19:42	1
o-Terphenyl (Surr)	137	S1+	70 - 130			01/21/25 15:16	01/27/25 19:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		10.1	mg/Kg			01/23/25 18:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-45 4.5'

Lab Sample ID: 880-53460-45

Date Collected: 01/20/25 11:57

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 23:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 23:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 23:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/21/25 23:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 23:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/21/25 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	01/21/25 15:10	01/21/25 23:15	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/21/25 15:10	01/21/25 23:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 23:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/27/25 19:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:16	01/27/25 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:16	01/27/25 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:16	01/27/25 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	146	S1+	70 - 130	01/21/25 15:16	01/27/25 19:57	1
o-Terphenyl (Surr)	118		70 - 130	01/21/25 15:16	01/27/25 19:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		10.0	mg/Kg			01/23/25 19:15	1

Client Sample ID: C-46 4.5'

Lab Sample ID: 880-53460-46

Date Collected: 01/20/25 12:04

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 23:35	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 23:35	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 23:35	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/21/25 23:35	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 23:35	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/21/25 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/21/25 15:10	01/21/25 23:35	1
1,4-Difluorobenzene (Surr)	76		70 - 130	01/21/25 15:10	01/21/25 23:35	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-46 4.5'

Lab Sample ID: 880-53460-46

Date Collected: 01/20/25 12:04

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/21/25 23:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/27/25 20:13	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 20:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 20:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 20:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	165	S1+	70 - 130			01/21/25 15:16	01/27/25 20:13	1
o-Terphenyl (Surr)	137	S1+	70 - 130			01/21/25 15:16	01/27/25 20:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.5		9.96	mg/Kg			01/23/25 19:21	1

Client Sample ID: C-47 4.5'

Lab Sample ID: 880-53460-47

Date Collected: 01/20/25 12:09

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 23:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 23:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 23:56	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/21/25 23:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 23:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/21/25 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			01/21/25 15:10	01/21/25 23:56	1
1,4-Difluorobenzene (Surr)	93		70 - 130			01/21/25 15:10	01/21/25 23:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 23:56	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/27/25 20:28	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 20:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 20:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-47 4.5'

Lab Sample ID: 880-53460-47

Date Collected: 01/20/25 12:09

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 20:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	154	S1+	70 - 130			01/21/25 15:16	01/27/25 20:28	1
o-Terphenyl (Surr)	129		70 - 130			01/21/25 15:16	01/27/25 20:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.7		9.92	mg/Kg			01/23/25 19:26	1

Client Sample ID: C-48 4.5'

Lab Sample ID: 880-53460-48

Date Collected: 01/20/25 12:13

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 00:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 00:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 00:16	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/22/25 00:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 00:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/22/25 00:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			01/21/25 15:10	01/22/25 00:16	1
1,4-Difluorobenzene (Surr)	89		70 - 130			01/21/25 15:10	01/22/25 00:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/22/25 00:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/27/25 20:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		01/21/25 15:16	01/27/25 20:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/21/25 15:16	01/27/25 20:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/21/25 15:16	01/27/25 20:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130			01/21/25 15:16	01/27/25 20:43	1
o-Terphenyl (Surr)	113		70 - 130			01/21/25 15:16	01/27/25 20:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.2		10.1	mg/Kg			01/23/25 19:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-49 4.5'

Lab Sample ID: 880-53460-49

Date Collected: 01/20/25 12:17

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 00:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 00:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 00:37	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 00:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 00:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/21/25 15:10	01/22/25 00:37	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/21/25 15:10	01/22/25 00:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/22/25 00:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/27/25 20:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 20:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 20:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/21/25 15:16	01/27/25 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	144	S1+	70 - 130	01/21/25 15:16	01/27/25 20:59	1
o-Terphenyl (Surr)	124		70 - 130	01/21/25 15:16	01/27/25 20:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		9.94	mg/Kg			01/23/25 19:50	1

Client Sample ID: C-50 4.5'

Lab Sample ID: 880-53460-50

Date Collected: 01/20/25 12:21

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 00:57	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 00:57	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 00:57	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 00:57	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/22/25 00:57	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/22/25 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/21/25 15:10	01/22/25 00:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/21/25 15:10	01/22/25 00:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-50 4.5'

Lab Sample ID: 880-53460-50

Date Collected: 01/20/25 12:21

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/22/25 00:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/27/25 21:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 21:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 21:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 21:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130			01/21/25 15:16	01/27/25 21:14	1
o-Terphenyl (Surr)	110		70 - 130			01/21/25 15:16	01/27/25 21:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.5		9.98	mg/Kg			01/23/25 19:56	1

Client Sample ID: C-51 4.5'

Lab Sample ID: 880-53460-51

Date Collected: 01/20/25 12:26

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 18:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 18:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 18:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/21/25 18:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 18:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/21/25 18:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			01/21/25 15:10	01/21/25 18:36	1
1,4-Difluorobenzene (Surr)	95		70 - 130			01/21/25 15:10	01/21/25 18:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 18:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/27/25 21:44	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 21:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 21:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-51 4.5'

Lab Sample ID: 880-53460-51

Date Collected: 01/20/25 12:26

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 21:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130			01/21/25 15:16	01/27/25 21:44	1
o-Terphenyl (Surr)	112		70 - 130			01/21/25 15:16	01/27/25 21:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96	mg/Kg			01/23/25 20:02	1

Client Sample ID: C-52 4.5'

Lab Sample ID: 880-53460-52

Date Collected: 01/20/25 12:29

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 18:57	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 18:57	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 18:57	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/21/25 18:57	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 18:57	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/21/25 18:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			01/21/25 15:10	01/21/25 18:57	1
1,4-Difluorobenzene (Surr)	100		70 - 130			01/21/25 15:10	01/21/25 18:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/21/25 18:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/27/25 22:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:16	01/27/25 22:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:16	01/27/25 22:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:16	01/27/25 22:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	154	S1+	70 - 130			01/21/25 15:16	01/27/25 22:00	1
o-Terphenyl (Surr)	128		70 - 130			01/21/25 15:16	01/27/25 22:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		9.96	mg/Kg			01/23/25 20:08	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-53 4.5'

Lab Sample ID: 880-53460-53

Date Collected: 01/20/25 12:37

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 19:17	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 19:17	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 19:17	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/21/25 19:17	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/21/25 15:10	01/21/25 19:17	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/21/25 15:10	01/21/25 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/21/25 15:10	01/21/25 19:17	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/21/25 15:10	01/21/25 19:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 19:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/27/25 22:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 22:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 22:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	170	S1+	70 - 130	01/21/25 15:16	01/27/25 22:14	1
o-Terphenyl (Surr)	139	S1+	70 - 130	01/21/25 15:16	01/27/25 22:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	761		10.1	mg/Kg			01/23/25 20:14	1

Client Sample ID: C-54 4.5'

Lab Sample ID: 880-53460-54

Date Collected: 01/20/25 12:45

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 19:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 19:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 19:38	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/21/25 19:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 19:38	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/21/25 15:10	01/21/25 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	01/21/25 15:10	01/21/25 19:38	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/21/25 15:10	01/21/25 19:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-54 4.5'

Lab Sample ID: 880-53460-54

Date Collected: 01/20/25 12:45

Matrix: Solid

Date Received: 01/21/25 14:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/21/25 19:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/27/25 22:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 22:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 22:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 22:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	167	S1+	70 - 130			01/21/25 15:16	01/27/25 22:30	1
o-Terphenyl (Surr)	137	S1+	70 - 130			01/21/25 15:16	01/27/25 22:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.7		10.1	mg/Kg			01/23/25 20:19	1

Client Sample ID: C-55 4.5'

Lab Sample ID: 880-53460-55

Date Collected: 01/20/25 12:55

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 19:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 19:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 19:58	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/21/25 19:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/21/25 19:58	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/21/25 19:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			01/21/25 15:10	01/21/25 19:58	1
1,4-Difluorobenzene (Surr)	99		70 - 130			01/21/25 15:10	01/21/25 19:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/21/25 19:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/27/25 22:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 22:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 22:46	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-55 4.5'

Lab Sample ID: 880-53460-55

Date Collected: 01/20/25 12:55

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 22:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	157	S1+	70 - 130			01/21/25 15:16	01/27/25 22:46	1
o-Terphenyl (Surr)	129		70 - 130			01/21/25 15:16	01/27/25 22:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		10.1	mg/Kg			01/23/25 20:37	1

Client Sample ID: C-56 4.5'

Lab Sample ID: 880-53460-56

Date Collected: 01/20/25 12:58

Matrix: Solid

Date Received: 01/21/25 14:05

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 20:19	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 20:19	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 20:19	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/21/25 20:19	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/21/25 15:10	01/21/25 20:19	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/21/25 15:10	01/21/25 20:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			01/21/25 15:10	01/21/25 20:19	1
1,4-Difluorobenzene (Surr)	97		70 - 130			01/21/25 15:10	01/21/25 20:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/21/25 20:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/27/25 23:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 23:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/21/25 15:16	01/27/25 23:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	161	S1+	70 - 130			01/21/25 15:16	01/27/25 23:00	1
o-Terphenyl (Surr)	128		70 - 130			01/21/25 15:16	01/27/25 23:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.4		9.96	mg/Kg			01/23/25 20:43	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-53460-1	C-1 4.5'	92	91
880-53460-1 MS	C-1 4.5'	98	102
880-53460-1 MSD	C-1 4.5'	102	102
880-53460-2	C-2 4.5'	96	95
880-53460-3	C-3 4.5'	97	83
880-53460-4	C-4 4.5'	95	91
880-53460-5	C-5 4.5'	99	94
880-53460-6	C-6 4.5'	97	91
880-53460-7	C-7 4.5'	97	90
880-53460-8	C-8 4.5'	97	92
880-53460-9	C-9 4.5'	99	92
880-53460-10	C-10 4.5'	99	74
880-53460-11	C-11 4.5'	105	86
880-53460-12	C-12 4.5'	99	92
880-53460-13	C-13 4.5'	97	91
880-53460-14	C-14 4.5'	98	80
880-53460-15	C-15 4.5'	105	79
880-53460-16	C-16 4.5'	102	84
880-53460-17	C-17 4.5'	98	89
880-53460-18	C-18 4.5'	97	90
880-53460-19	C-19 4.5'	97	90
880-53460-20	C-20 4.5'	100	78
880-53460-21	C-21 4.5'	109	102
880-53460-21 MS	C-21 4.5'	111	88
880-53460-21 MSD	C-21 4.5'	109	101
880-53460-22	C-22 4.5'	118	106
880-53460-23	C-23 4.5'	118	109
880-53460-24	C-24 4.5'	113	104
880-53460-25	C-25 4.5'	125	109
880-53460-26	C-26 4.5'	120	110
880-53460-27	C-27 4.5'	124	106
880-53460-28	C-28 4.5'	121	101
880-53460-29	C-29 4.5'	130	103
880-53460-30	C-30 4.5'	135 S1+	114
880-53460-31	C-31 4.5'	103	102
880-53460-32	C-32 4.5'	120	102
880-53460-33	C-33 4.5'	185 S1+	119
880-53460-34	C-34 4.5'	125	112
880-53460-35	C-35 4.5'	200 S1+	118
880-53460-36	C-36 4.5'	123	108
880-53460-37	C-37 4.5'	123	106
880-53460-38	C-38 4.5'	127	106
880-53460-39	C-39 4.5'	126	106
880-53460-40	C-40 4.5'	122	110
880-53460-41	C-41 4.5'	92	92
880-53460-42	C-42 4.5'	104	83
880-53460-43	C-43 4.5'	99	93
880-53460-44	C-44 4.5'	95	91
880-53460-45	C-45 4.5'	93	90

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-53460-1

Project/Site: Waterfleet (Select)

SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-53460-46	C-46 4.5'	96	76
880-53460-47	C-47 4.5'	101	93
880-53460-48	C-48 4.5'	94	89
880-53460-49	C-49 4.5'	100	90
880-53460-50	C-50 4.5'	94	89
880-53460-51	C-51 4.5'	101	95
880-53460-52	C-52 4.5'	86	100
880-53460-53	C-53 4.5'	99	96
880-53460-54	C-54 4.5'	120	91
880-53460-55	C-55 4.5'	100	99
880-53460-56	C-56 4.5'	99	97
LCS 880-100760/1-A	Lab Control Sample	101	99
LCS 880-100797/1-A	Lab Control Sample	96	96
LCS 880-100799/1-A	Lab Control Sample	126	97
LCS 880-100801/1-A	Lab Control Sample	110	106
LCSD 880-100760/2-A	Lab Control Sample Dup	102	98
LCSD 880-100797/2-A	Lab Control Sample Dup	97	103
LCSD 880-100799/2-A	Lab Control Sample Dup	97	102
LCSD 880-100801/2-A	Lab Control Sample Dup	109	96
MB 880-100760/5-A	Method Blank	88	94
MB 880-100797/5-A	Method Blank	90	88
MB 880-100799/5-A	Method Blank	88	89
MB 880-100801/5-A	Method Blank	200 S1+	124
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-53460-1	C-1 4.5'	82	79
880-53460-1 MS	C-1 4.5'	79	73
880-53460-1 MSD	C-1 4.5'	80	75
880-53460-2	C-2 4.5'	74	73
880-53460-3	C-3 4.5'	90	85
880-53460-4	C-4 4.5'	73	73
880-53460-5	C-5 4.5'	66 S1-	68 S1-
880-53460-6	C-6 4.5'	71	71
880-53460-7	C-7 4.5'	70	70
880-53460-8	C-8 4.5'	68 S1-	70
880-53460-9	C-9 4.5'	66 S1-	67 S1-
880-53460-10	C-10 4.5'	64 S1-	66 S1-
880-53460-11	C-11 4.5'	68 S1-	71
880-53460-12	C-12 4.5'	77	77
880-53460-13	C-13 4.5'	79	80
880-53460-14	C-14 4.5'	74	75
880-53460-15	C-15 4.5'	79	78

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-53460-1

Project/Site: Waterfleet (Select)

SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-53460-16	C-16 4.5'	67 S1-	66 S1-
880-53460-17	C-17 4.5'	72	72
880-53460-18	C-18 4.5'	73	74
880-53460-19	C-19 4.5'	64 S1-	64 S1-
880-53460-20	C-20 4.5'	65 S1-	64 S1-
880-53460-21	C-21 4.5'	87	82
880-53460-21 MS	C-21 4.5'	74	76
880-53460-21 MSD	C-21 4.5'	89	76
880-53460-22	C-22 4.5'	85	78
880-53460-23	C-23 4.5'	78	72
880-53460-24	C-24 4.5'	84	79
880-53460-25	C-25 4.5'	82	76
880-53460-26	C-26 4.5'	75	69 S1-
880-53460-27	C-27 4.5'	80	72
880-53460-28	C-28 4.5'	74	68 S1-
880-53460-29	C-29 4.5'	72	70
880-53460-30	C-30 4.5'	74	71
880-53460-31	C-31 4.5'	73	69 S1-
880-53460-32	C-32 4.5'	82	75
880-53460-33	C-33 4.5'	83	76
880-53460-34	C-34 4.5'	91	84
880-53460-35	C-35 4.5'	96	87
880-53460-36	C-36 4.5'	82	73
880-53460-37	C-37 4.5'	76	69 S1-
880-53460-38	C-38 4.5'	71	63 S1-
880-53460-39	C-39 4.5'	76	68 S1-
880-53460-40	C-40 4.5'	67 S1-	61 S1-
880-53460-41	C-41 4.5'	193 S1+	156 S1+
880-53460-41 MS	C-41 4.5'	121	110
880-53460-41 MSD	C-41 4.5'	122	110
880-53460-42	C-42 4.5'	161 S1+	132 S1+
880-53460-43	C-43 4.5'	159 S1+	131 S1+
880-53460-44	C-44 4.5'	169 S1+	137 S1+
880-53460-45	C-45 4.5'	146 S1+	118
880-53460-46	C-46 4.5'	165 S1+	137 S1+
880-53460-47	C-47 4.5'	154 S1+	129
880-53460-48	C-48 4.5'	133 S1+	113
880-53460-49	C-49 4.5'	144 S1+	124
880-53460-50	C-50 4.5'	133 S1+	110
880-53460-51	C-51 4.5'	130	112
880-53460-52	C-52 4.5'	154 S1+	128
880-53460-53	C-53 4.5'	170 S1+	139 S1+
880-53460-54	C-54 4.5'	167 S1+	137 S1+
880-53460-55	C-55 4.5'	157 S1+	129
880-53460-56	C-56 4.5'	161 S1+	128
LCS 880-100798/2-A	Lab Control Sample	135 S1+	126
LCS 880-100800/2-A	Lab Control Sample	77	80
LCS 880-100802/2-A	Lab Control Sample	115	105
LCSD 880-100798/3-A	Lab Control Sample Dup	158 S1+	149 S1+
LCSD 880-100800/3-A	Lab Control Sample Dup	79	82

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-100802/3-A	Lab Control Sample Dup	120	110
MB 880-100798/1-A	Method Blank	149 S1+	148 S1+
MB 880-100800/1-A	Method Blank	82	76
MB 880-100802/1-A	Method Blank	137 S1+	110
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100760/5-A

Matrix: Solid

Analysis Batch: 100730

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100760

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 10:40	01/21/25 12:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 10:40	01/21/25 12:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 10:40	01/21/25 12:26	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 10:40	01/21/25 12:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 10:40	01/21/25 12:26	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 10:40	01/21/25 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	01/21/25 10:40	01/21/25 12:26	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/21/25 10:40	01/21/25 12:26	1

Lab Sample ID: LCS 880-100760/1-A

Matrix: Solid

Analysis Batch: 100730

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.1104		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1125		mg/Kg		113	70 - 130
m,p-Xylenes	0.200	0.2008		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1142		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-100760/2-A

Matrix: Solid

Analysis Batch: 100730

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100760

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1043		mg/Kg		104	70 - 130	0	35
Toluene	0.100	0.1114		mg/Kg		111	70 - 130	1	35
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130	1	35
m,p-Xylenes	0.200	0.2018		mg/Kg		101	70 - 130	0	35
o-Xylene	0.100	0.1139		mg/Kg		114	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-100797/5-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100797

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 17:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 17:03	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-100797/5-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100797

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 17:03	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 14:58	01/21/25 17:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 14:58	01/21/25 17:03	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 14:58	01/21/25 17:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	01/21/25 14:58	01/21/25 17:03	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/21/25 14:58	01/21/25 17:03	1

Lab Sample ID: LCS 880-100797/1-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08993		mg/Kg		90	70 - 130
Toluene	0.100	0.09300		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09270		mg/Kg		93	70 - 130
m,p-Xylenes	0.200	0.1803		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08801		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-100797/2-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100797

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1007		mg/Kg		101	70 - 130	11	35
Toluene	0.100	0.1014		mg/Kg		101	70 - 130	9	35
Ethylbenzene	0.100	0.09949		mg/Kg		99	70 - 130	7	35
m,p-Xylenes	0.200	0.1963		mg/Kg		98	70 - 130	8	35
o-Xylene	0.100	0.09571		mg/Kg		96	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-100799/5-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100799

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 03:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 03:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 03:42	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 03:42	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-100799/5-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100799

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:10	01/22/25 03:42	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:10	01/22/25 03:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	01/21/25 15:10	01/22/25 03:42	1
1,4-Difluorobenzene (Surr)	89		70 - 130	01/21/25 15:10	01/22/25 03:42	1

Lab Sample ID: LCS 880-100799/1-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100799

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09498		mg/Kg		95	70 - 130
Toluene	0.100	0.09895		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130
m,p-Xylenes	0.200	0.2431		mg/Kg		122	70 - 130
o-Xylene	0.100	0.1197		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-100799/2-A

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100799

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09821		mg/Kg		98	70 - 130	3	35
Toluene	0.100	0.09831		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.09686		mg/Kg		97	70 - 130	13	35
m,p-Xylenes	0.200	0.1877		mg/Kg		94	70 - 130	26	35
o-Xylene	0.100	0.09255		mg/Kg		93	70 - 130	26	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-53460-1 MS

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: C-1 4.5'

Prep Type: Total/NA

Prep Batch: 100799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.08947		mg/Kg		89	70 - 130
Toluene	<0.00202	U	0.100	0.09024		mg/Kg		90	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.08764		mg/Kg		88	70 - 130
m,p-Xylenes	<0.00404	U	0.200	0.1709		mg/Kg		85	70 - 130
o-Xylene	<0.00202	U	0.100	0.08368		mg/Kg		84	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-53460-1 MS

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: C-1 4.5'

Prep Type: Total/NA

Prep Batch: 100799

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-53460-1 MSD

Matrix: Solid

Analysis Batch: 100732

Client Sample ID: C-1 4.5'

Prep Type: Total/NA

Prep Batch: 100799

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.08712		mg/Kg		87	70 - 130	3	35
Toluene	<0.00202	U	0.100	0.08824		mg/Kg		88	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.100	0.08611		mg/Kg		86	70 - 130	2	35
m,p-Xylenes	<0.00404	U	0.200	0.1660		mg/Kg		83	70 - 130	3	35
o-Xylene	<0.00202	U	0.100	0.08158		mg/Kg		82	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-100801/5-A

Matrix: Solid

Analysis Batch: 100733

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100801

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 17:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 17:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 17:33	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/21/25 17:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/21/25 15:12	01/21/25 17:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/21/25 15:12	01/21/25 17:33	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	200	S1+	70 - 130	01/21/25 15:12	01/21/25 17:33	1		
1,4-Difluorobenzene (Surr)	124		70 - 130	01/21/25 15:12	01/21/25 17:33	1		

Lab Sample ID: LCS 880-100801/1-A

Matrix: Solid

Analysis Batch: 100733

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1010		mg/Kg		101	70 - 130
Toluene	0.100	0.1025		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09891		mg/Kg		99	70 - 130
m,p-Xylenes	0.200	0.2165		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1044		mg/Kg		104	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-100801/1-A

Matrix: Solid

Analysis Batch: 100733

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100801

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-100801/2-A

Matrix: Solid

Analysis Batch: 100733

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100801

			Spike	LCS	LCS				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1042		mg/Kg		104	70 - 130	3	35
Toluene			0.100	0.1062		mg/Kg		106	70 - 130	4	35
Ethylbenzene			0.100	0.1029		mg/Kg		103	70 - 130	4	35
m,p-Xylenes			0.200	0.2255		mg/Kg		113	70 - 130	4	35
o-Xylene			0.100	0.1100		mg/Kg		110	70 - 130	5	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-53460-21 MS

Matrix: Solid

Analysis Batch: 100733

Client Sample ID: C-21 4.5'

Prep Type: Total/NA

Prep Batch: 100801

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.100	0.08630		mg/Kg		86	70 - 130		
Toluene	<0.00202	U	0.100	0.09974		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00202	U	0.100	0.08823		mg/Kg		88	70 - 130		
m,p-Xylenes	<0.00404	U	0.200	0.2043		mg/Kg		102	70 - 130		
o-Xylene	<0.00202	U	0.100	0.09981		mg/Kg		100	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-53460-21 MSD

Matrix: Solid

Analysis Batch: 100733

Client Sample ID: C-21 4.5'

Prep Type: Total/NA

Prep Batch: 100801

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.100	0.09151		mg/Kg		92	70 - 130	6	35
Toluene	<0.00202	U	0.100	0.09101		mg/Kg		91	70 - 130	9	35
Ethylbenzene	<0.00202	U	0.100	0.08414		mg/Kg		84	70 - 130	5	35
m,p-Xylenes	<0.00404	U	0.200	0.1924		mg/Kg		96	70 - 130	6	35
o-Xylene	<0.00202	U	0.100	0.09398		mg/Kg		94	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-100798/1-A

Matrix: Solid

Analysis Batch: 100938

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100798

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 18:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 18:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:08	01/23/25 18:01	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	149	S1+	70 - 130			01/21/25 15:08	01/23/25 18:01	1
o-Terphenyl (Surr)	148	S1+	70 - 130			01/21/25 15:08	01/23/25 18:01	1

Lab Sample ID: LCS 880-100798/2-A

Matrix: Solid

Analysis Batch: 100938

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1222		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1292		mg/Kg		129	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	135	S1+	70 - 130				
o-Terphenyl (Surr)	126		70 - 130				

Lab Sample ID: LCSD 880-100798/3-A

Matrix: Solid

Analysis Batch: 100938

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100798

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1354	*+	mg/Kg		135	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1527	*+	mg/Kg		153	70 - 130	17	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	158	S1+	70 - 130						
o-Terphenyl (Surr)	149	S1+	70 - 130						

Lab Sample ID: 880-53460-1 MS

Matrix: Solid

Analysis Batch: 100938

Client Sample ID: C-1 4.5'

Prep Type: Total/NA

Prep Batch: 100798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	998	797.4		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *+	998	827.9		mg/Kg		83	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-53460-1 MS

Matrix: Solid

Analysis Batch: 100938

Client Sample ID: C-1 4.5'

Prep Type: Total/NA

Prep Batch: 100798

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	73		70 - 130

Lab Sample ID: 880-53460-1 MSD

Matrix: Solid

Analysis Batch: 100938

Client Sample ID: C-1 4.5'

Prep Type: Total/NA

Prep Batch: 100798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	998	798.5		mg/Kg		80	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U **	998	845.1		mg/Kg		85	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	80		70 - 130
o-Terphenyl (Surr)	75		70 - 130

Lab Sample ID: MB 880-100800/1-A

Matrix: Solid

Analysis Batch: 100940

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100800

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/23/25 18:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/23/25 18:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:11	01/23/25 18:17	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	82		70 - 130	01/21/25 15:11	01/23/25 18:17	1
o-Terphenyl (Surr)	76		70 - 130	01/21/25 15:11	01/23/25 18:17	1

Lab Sample ID: LCS 880-100800/2-A

Matrix: Solid

Analysis Batch: 100940

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	719.6		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	1000	719.1		mg/Kg		72	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	77		70 - 130
o-Terphenyl (Surr)	80		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-100800/3-A

Matrix: Solid

Analysis Batch: 100940

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100800

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	734.8		mg/Kg		73	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	714.4		mg/Kg		71	70 - 130	1	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	79		70 - 130						
o-Terphenyl (Surr)	82		70 - 130						

Lab Sample ID: 880-53460-21 MS

Matrix: Solid

Analysis Batch: 100940

Client Sample ID: C-21 4.5'

Prep Type: Total/NA

Prep Batch: 100800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	801.6		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	819.9		mg/Kg		82	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	74		70 - 130								
o-Terphenyl (Surr)	76		70 - 130								

Lab Sample ID: 880-53460-21 MSD

Matrix: Solid

Analysis Batch: 100940

Client Sample ID: C-21 4.5'

Prep Type: Total/NA

Prep Batch: 100800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	822.4		mg/Kg		82	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	798.6		mg/Kg		80	70 - 130	3	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	89		70 - 130								
o-Terphenyl (Surr)	76		70 - 130								

Lab Sample ID: MB 880-100802/1-A

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100802

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/21/25 15:15	01/27/25 17:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/21/25 15:15	01/27/25 17:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/21/25 15:15	01/27/25 17:41	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-100802/1-A

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100802

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane (Surr)	137	S1+	70 - 130	01/21/25 15:15	01/27/25 17:41	1				
o-Terphenyl (Surr)	110		70 - 130	01/21/25 15:15	01/27/25 17:41	1				

Lab Sample ID: LCS 880-100802/2-A

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100802

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1050		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	980.9		mg/Kg		98	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	115		70 - 130								
o-Terphenyl (Surr)	105		70 - 130								

Lab Sample ID: LCSD 880-100802/3-A

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100802

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	984.9		mg/Kg		98	70 - 130	6	20	
Diesel Range Organics (Over C10-C28)			1000	1042		mg/Kg		104	70 - 130	6	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	120		70 - 130									
o-Terphenyl (Surr)	110		70 - 130									

Lab Sample ID: 880-53460-41 MS

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: C-41 4.5'

Prep Type: Total/NA

Prep Batch: 100802

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1232		mg/Kg		123	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1177		mg/Kg		118	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	121		70 - 130									
o-Terphenyl (Surr)	110		70 - 130									

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-53460-41 MSD

Matrix: Solid

Analysis Batch: 101253

Client Sample ID: C-41 4.5'

Prep Type: Total/NA

Prep Batch: 100802

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1217		mg/Kg		122	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1151		mg/Kg		115	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	122		70 - 130								
o-Terphenyl (Surr)	110		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100878/1-A

Matrix: Solid

Analysis Batch: 100913

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			01/24/25 00:54	1

Lab Sample ID: LCS 880-100878/2-A

Matrix: Solid

Analysis Batch: 100913

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.9		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-100878/3-A

Matrix: Solid

Analysis Batch: 100913

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	268.7		mg/Kg		107	90 - 110	3	20

Lab Sample ID: MB 880-100879/1-A

Matrix: Solid

Analysis Batch: 100919

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			01/23/25 13:09	1

Lab Sample ID: LCS 880-100879/2-A

Matrix: Solid

Analysis Batch: 100919

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.7		mg/Kg		94	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-100879/3-A

Matrix: Solid

Analysis Batch: 100919

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	234.6		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-53460-4 MS

Matrix: Solid

Analysis Batch: 100919

Client Sample ID: C-4 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	74.1		252	332.7		mg/Kg		103	90 - 110		

Lab Sample ID: 880-53460-4 MSD

Matrix: Solid

Analysis Batch: 100919

Client Sample ID: C-4 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	74.1		252	333.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-53460-14 MS

Matrix: Solid

Analysis Batch: 100919

Client Sample ID: C-14 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	313		249	576.8		mg/Kg		106	90 - 110		

Lab Sample ID: 880-53460-14 MSD

Matrix: Solid

Analysis Batch: 100919

Client Sample ID: C-14 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	313		249	574.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-100880/1-A

Matrix: Solid

Analysis Batch: 100987

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			01/23/25 14:49	1

Lab Sample ID: LCS 880-100880/2-A

Matrix: Solid

Analysis Batch: 100987

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.3		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-100880/3-A

Matrix: Solid

Analysis Batch: 100987

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.5		mg/Kg		101	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-53460-24 MS

Matrix: Solid

Analysis Batch: 100987

Client Sample ID: C-24 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3340	F1	1240	4747	F1	mg/Kg		113	90 - 110		

Lab Sample ID: 880-53460-24 MSD

Matrix: Solid

Analysis Batch: 100987

Client Sample ID: C-24 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3340	F1	1240	4754	F1	mg/Kg		114	90 - 110	0	20

Lab Sample ID: 880-53460-34 MS

Matrix: Solid

Analysis Batch: 100987

Client Sample ID: C-34 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	114		250	368.0		mg/Kg		102	90 - 110		

Lab Sample ID: 880-53460-34 MSD

Matrix: Solid

Analysis Batch: 100987

Client Sample ID: C-34 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	114		250	368.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-100881/1-A

Matrix: Solid

Analysis Batch: 100989

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			01/23/25 18:39	1

Lab Sample ID: LCS 880-100881/2-A

Matrix: Solid

Analysis Batch: 100989

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	244.7		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-100881/3-A

Matrix: Solid

Analysis Batch: 100989

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.5		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-53460-44 MS

Matrix: Solid

Analysis Batch: 100989

Client Sample ID: C-44 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	13.7		252	260.3		mg/Kg		98	90 - 110		

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-53460-44 MSD												Client Sample ID: C-44 4.5'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 100989													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	13.7		252	261.5		mg/Kg		99	90 - 110	0	20		

Lab Sample ID: 880-53460-54 MS												Client Sample ID: C-54 4.5'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 100989													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	97.7		252	361.1		mg/Kg		105	90 - 110				

Lab Sample ID: 880-53460-54 MSD												Client Sample ID: C-54 4.5'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 100989													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	97.7		252	360.4		mg/Kg		104	90 - 110	0	20		

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

GC VOA

Analysis Batch: 100730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-51	C-51 4.5'	Total/NA	Solid	8021B	100760
880-53460-52	C-52 4.5'	Total/NA	Solid	8021B	100760
880-53460-53	C-53 4.5'	Total/NA	Solid	8021B	100760
880-53460-54	C-54 4.5'	Total/NA	Solid	8021B	100760
880-53460-55	C-55 4.5'	Total/NA	Solid	8021B	100760
880-53460-56	C-56 4.5'	Total/NA	Solid	8021B	100760
MB 880-100760/5-A	Method Blank	Total/NA	Solid	8021B	100760
LCS 880-100760/1-A	Lab Control Sample	Total/NA	Solid	8021B	100760
LCSD 880-100760/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100760

Analysis Batch: 100732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-1	C-1 4.5'	Total/NA	Solid	8021B	100799
880-53460-2	C-2 4.5'	Total/NA	Solid	8021B	100799
880-53460-3	C-3 4.5'	Total/NA	Solid	8021B	100799
880-53460-4	C-4 4.5'	Total/NA	Solid	8021B	100799
880-53460-5	C-5 4.5'	Total/NA	Solid	8021B	100799
880-53460-6	C-6 4.5'	Total/NA	Solid	8021B	100799
880-53460-7	C-7 4.5'	Total/NA	Solid	8021B	100799
880-53460-8	C-8 4.5'	Total/NA	Solid	8021B	100799
880-53460-9	C-9 4.5'	Total/NA	Solid	8021B	100799
880-53460-10	C-10 4.5'	Total/NA	Solid	8021B	100799
880-53460-11	C-11 4.5'	Total/NA	Solid	8021B	100799
880-53460-12	C-12 4.5'	Total/NA	Solid	8021B	100799
880-53460-13	C-13 4.5'	Total/NA	Solid	8021B	100799
880-53460-14	C-14 4.5'	Total/NA	Solid	8021B	100799
880-53460-15	C-15 4.5'	Total/NA	Solid	8021B	100799
880-53460-16	C-16 4.5'	Total/NA	Solid	8021B	100799
880-53460-17	C-17 4.5'	Total/NA	Solid	8021B	100799
880-53460-18	C-18 4.5'	Total/NA	Solid	8021B	100799
880-53460-19	C-19 4.5'	Total/NA	Solid	8021B	100799
880-53460-20	C-20 4.5'	Total/NA	Solid	8021B	100799
880-53460-41	C-41 4.5'	Total/NA	Solid	8021B	100797
880-53460-42	C-42 4.5'	Total/NA	Solid	8021B	100797
880-53460-43	C-43 4.5'	Total/NA	Solid	8021B	100797
880-53460-44	C-44 4.5'	Total/NA	Solid	8021B	100797
880-53460-45	C-45 4.5'	Total/NA	Solid	8021B	100797
880-53460-46	C-46 4.5'	Total/NA	Solid	8021B	100797
880-53460-47	C-47 4.5'	Total/NA	Solid	8021B	100797
880-53460-48	C-48 4.5'	Total/NA	Solid	8021B	100797
880-53460-49	C-49 4.5'	Total/NA	Solid	8021B	100797
880-53460-50	C-50 4.5'	Total/NA	Solid	8021B	100797
MB 880-100797/5-A	Method Blank	Total/NA	Solid	8021B	100797
MB 880-100799/5-A	Method Blank	Total/NA	Solid	8021B	100799
LCS 880-100797/1-A	Lab Control Sample	Total/NA	Solid	8021B	100797
LCS 880-100799/1-A	Lab Control Sample	Total/NA	Solid	8021B	100799
LCSD 880-100797/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100797
LCSD 880-100799/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100799
880-53460-1 MS	C-1 4.5'	Total/NA	Solid	8021B	100799
880-53460-1 MSD	C-1 4.5'	Total/NA	Solid	8021B	100799

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

GC VOA

Analysis Batch: 100733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-21	C-21 4.5'	Total/NA	Solid	8021B	100801
880-53460-22	C-22 4.5'	Total/NA	Solid	8021B	100801
880-53460-23	C-23 4.5'	Total/NA	Solid	8021B	100801
880-53460-24	C-24 4.5'	Total/NA	Solid	8021B	100801
880-53460-25	C-25 4.5'	Total/NA	Solid	8021B	100801
880-53460-26	C-26 4.5'	Total/NA	Solid	8021B	100801
880-53460-27	C-27 4.5'	Total/NA	Solid	8021B	100801
880-53460-28	C-28 4.5'	Total/NA	Solid	8021B	100801
880-53460-29	C-29 4.5'	Total/NA	Solid	8021B	100801
880-53460-30	C-30 4.5'	Total/NA	Solid	8021B	100801
880-53460-31	C-31 4.5'	Total/NA	Solid	8021B	100801
880-53460-32	C-32 4.5'	Total/NA	Solid	8021B	100801
880-53460-33	C-33 4.5'	Total/NA	Solid	8021B	100801
880-53460-34	C-34 4.5'	Total/NA	Solid	8021B	100801
880-53460-35	C-35 4.5'	Total/NA	Solid	8021B	100801
880-53460-36	C-36 4.5'	Total/NA	Solid	8021B	100801
880-53460-37	C-37 4.5'	Total/NA	Solid	8021B	100801
880-53460-38	C-38 4.5'	Total/NA	Solid	8021B	100801
880-53460-39	C-39 4.5'	Total/NA	Solid	8021B	100801
880-53460-40	C-40 4.5'	Total/NA	Solid	8021B	100801
MB 880-100801/5-A	Method Blank	Total/NA	Solid	8021B	100801
LCS 880-100801/1-A	Lab Control Sample	Total/NA	Solid	8021B	100801
LCSD 880-100801/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100801
880-53460-21 MS	C-21 4.5'	Total/NA	Solid	8021B	100801
880-53460-21 MSD	C-21 4.5'	Total/NA	Solid	8021B	100801

Prep Batch: 100760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-51	C-51 4.5'	Total/NA	Solid	5035	
880-53460-52	C-52 4.5'	Total/NA	Solid	5035	
880-53460-53	C-53 4.5'	Total/NA	Solid	5035	
880-53460-54	C-54 4.5'	Total/NA	Solid	5035	
880-53460-55	C-55 4.5'	Total/NA	Solid	5035	
880-53460-56	C-56 4.5'	Total/NA	Solid	5035	
MB 880-100760/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100760/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100760/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 100797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-41	C-41 4.5'	Total/NA	Solid	5035	
880-53460-42	C-42 4.5'	Total/NA	Solid	5035	
880-53460-43	C-43 4.5'	Total/NA	Solid	5035	
880-53460-44	C-44 4.5'	Total/NA	Solid	5035	
880-53460-45	C-45 4.5'	Total/NA	Solid	5035	
880-53460-46	C-46 4.5'	Total/NA	Solid	5035	
880-53460-47	C-47 4.5'	Total/NA	Solid	5035	
880-53460-48	C-48 4.5'	Total/NA	Solid	5035	
880-53460-49	C-49 4.5'	Total/NA	Solid	5035	
880-53460-50	C-50 4.5'	Total/NA	Solid	5035	
MB 880-100797/5-A	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

GC VOA (Continued)

Prep Batch: 100797 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-100797/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100797/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 100799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-1	C-1 4.5'	Total/NA	Solid	5035	
880-53460-2	C-2 4.5'	Total/NA	Solid	5035	
880-53460-3	C-3 4.5'	Total/NA	Solid	5035	
880-53460-4	C-4 4.5'	Total/NA	Solid	5035	
880-53460-5	C-5 4.5'	Total/NA	Solid	5035	
880-53460-6	C-6 4.5'	Total/NA	Solid	5035	
880-53460-7	C-7 4.5'	Total/NA	Solid	5035	
880-53460-8	C-8 4.5'	Total/NA	Solid	5035	
880-53460-9	C-9 4.5'	Total/NA	Solid	5035	
880-53460-10	C-10 4.5'	Total/NA	Solid	5035	
880-53460-11	C-11 4.5'	Total/NA	Solid	5035	
880-53460-12	C-12 4.5'	Total/NA	Solid	5035	
880-53460-13	C-13 4.5'	Total/NA	Solid	5035	
880-53460-14	C-14 4.5'	Total/NA	Solid	5035	
880-53460-15	C-15 4.5'	Total/NA	Solid	5035	
880-53460-16	C-16 4.5'	Total/NA	Solid	5035	
880-53460-17	C-17 4.5'	Total/NA	Solid	5035	
880-53460-18	C-18 4.5'	Total/NA	Solid	5035	
880-53460-19	C-19 4.5'	Total/NA	Solid	5035	
880-53460-20	C-20 4.5'	Total/NA	Solid	5035	
MB 880-100799/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100799/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100799/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53460-1 MS	C-1 4.5'	Total/NA	Solid	5035	
880-53460-1 MSD	C-1 4.5'	Total/NA	Solid	5035	

Prep Batch: 100801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-21	C-21 4.5'	Total/NA	Solid	5035	
880-53460-22	C-22 4.5'	Total/NA	Solid	5035	
880-53460-23	C-23 4.5'	Total/NA	Solid	5035	
880-53460-24	C-24 4.5'	Total/NA	Solid	5035	
880-53460-25	C-25 4.5'	Total/NA	Solid	5035	
880-53460-26	C-26 4.5'	Total/NA	Solid	5035	
880-53460-27	C-27 4.5'	Total/NA	Solid	5035	
880-53460-28	C-28 4.5'	Total/NA	Solid	5035	
880-53460-29	C-29 4.5'	Total/NA	Solid	5035	
880-53460-30	C-30 4.5'	Total/NA	Solid	5035	
880-53460-31	C-31 4.5'	Total/NA	Solid	5035	
880-53460-32	C-32 4.5'	Total/NA	Solid	5035	
880-53460-33	C-33 4.5'	Total/NA	Solid	5035	
880-53460-34	C-34 4.5'	Total/NA	Solid	5035	
880-53460-35	C-35 4.5'	Total/NA	Solid	5035	
880-53460-36	C-36 4.5'	Total/NA	Solid	5035	
880-53460-37	C-37 4.5'	Total/NA	Solid	5035	
880-53460-38	C-38 4.5'	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

GC VOA (Continued)

Prep Batch: 100801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-39	C-39 4.5'	Total/NA	Solid	5035	
880-53460-40	C-40 4.5'	Total/NA	Solid	5035	
MB 880-100801/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100801/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100801/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53460-21 MS	C-21 4.5'	Total/NA	Solid	5035	
880-53460-21 MSD	C-21 4.5'	Total/NA	Solid	5035	

Analysis Batch: 100866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-1	C-1 4.5'	Total/NA	Solid	Total BTEX	
880-53460-2	C-2 4.5'	Total/NA	Solid	Total BTEX	
880-53460-3	C-3 4.5'	Total/NA	Solid	Total BTEX	
880-53460-4	C-4 4.5'	Total/NA	Solid	Total BTEX	
880-53460-5	C-5 4.5'	Total/NA	Solid	Total BTEX	
880-53460-6	C-6 4.5'	Total/NA	Solid	Total BTEX	
880-53460-7	C-7 4.5'	Total/NA	Solid	Total BTEX	
880-53460-8	C-8 4.5'	Total/NA	Solid	Total BTEX	
880-53460-9	C-9 4.5'	Total/NA	Solid	Total BTEX	
880-53460-10	C-10 4.5'	Total/NA	Solid	Total BTEX	
880-53460-11	C-11 4.5'	Total/NA	Solid	Total BTEX	
880-53460-12	C-12 4.5'	Total/NA	Solid	Total BTEX	
880-53460-13	C-13 4.5'	Total/NA	Solid	Total BTEX	
880-53460-14	C-14 4.5'	Total/NA	Solid	Total BTEX	
880-53460-15	C-15 4.5'	Total/NA	Solid	Total BTEX	
880-53460-16	C-16 4.5'	Total/NA	Solid	Total BTEX	
880-53460-17	C-17 4.5'	Total/NA	Solid	Total BTEX	
880-53460-18	C-18 4.5'	Total/NA	Solid	Total BTEX	
880-53460-19	C-19 4.5'	Total/NA	Solid	Total BTEX	
880-53460-20	C-20 4.5'	Total/NA	Solid	Total BTEX	
880-53460-21	C-21 4.5'	Total/NA	Solid	Total BTEX	
880-53460-22	C-22 4.5'	Total/NA	Solid	Total BTEX	
880-53460-23	C-23 4.5'	Total/NA	Solid	Total BTEX	
880-53460-24	C-24 4.5'	Total/NA	Solid	Total BTEX	
880-53460-25	C-25 4.5'	Total/NA	Solid	Total BTEX	
880-53460-26	C-26 4.5'	Total/NA	Solid	Total BTEX	
880-53460-27	C-27 4.5'	Total/NA	Solid	Total BTEX	
880-53460-28	C-28 4.5'	Total/NA	Solid	Total BTEX	
880-53460-29	C-29 4.5'	Total/NA	Solid	Total BTEX	
880-53460-30	C-30 4.5'	Total/NA	Solid	Total BTEX	
880-53460-31	C-31 4.5'	Total/NA	Solid	Total BTEX	
880-53460-32	C-32 4.5'	Total/NA	Solid	Total BTEX	
880-53460-33	C-33 4.5'	Total/NA	Solid	Total BTEX	
880-53460-34	C-34 4.5'	Total/NA	Solid	Total BTEX	
880-53460-35	C-35 4.5'	Total/NA	Solid	Total BTEX	
880-53460-36	C-36 4.5'	Total/NA	Solid	Total BTEX	
880-53460-37	C-37 4.5'	Total/NA	Solid	Total BTEX	
880-53460-38	C-38 4.5'	Total/NA	Solid	Total BTEX	
880-53460-39	C-39 4.5'	Total/NA	Solid	Total BTEX	
880-53460-40	C-40 4.5'	Total/NA	Solid	Total BTEX	
880-53460-41	C-41 4.5'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

GC VOA (Continued)

Analysis Batch: 100866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-42	C-42 4.5'	Total/NA	Solid	Total BTEX	
880-53460-43	C-43 4.5'	Total/NA	Solid	Total BTEX	
880-53460-44	C-44 4.5'	Total/NA	Solid	Total BTEX	
880-53460-45	C-45 4.5'	Total/NA	Solid	Total BTEX	
880-53460-46	C-46 4.5'	Total/NA	Solid	Total BTEX	
880-53460-47	C-47 4.5'	Total/NA	Solid	Total BTEX	
880-53460-48	C-48 4.5'	Total/NA	Solid	Total BTEX	
880-53460-49	C-49 4.5'	Total/NA	Solid	Total BTEX	
880-53460-50	C-50 4.5'	Total/NA	Solid	Total BTEX	
880-53460-51	C-51 4.5'	Total/NA	Solid	Total BTEX	
880-53460-52	C-52 4.5'	Total/NA	Solid	Total BTEX	
880-53460-53	C-53 4.5'	Total/NA	Solid	Total BTEX	
880-53460-54	C-54 4.5'	Total/NA	Solid	Total BTEX	
880-53460-55	C-55 4.5'	Total/NA	Solid	Total BTEX	
880-53460-56	C-56 4.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-1	C-1 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-2	C-2 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-3	C-3 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-4	C-4 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-5	C-5 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-6	C-6 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-7	C-7 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-8	C-8 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-9	C-9 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-10	C-10 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-11	C-11 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-12	C-12 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-13	C-13 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-14	C-14 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-15	C-15 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-16	C-16 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-17	C-17 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-18	C-18 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-19	C-19 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-20	C-20 4.5'	Total/NA	Solid	8015NM Prep	
MB 880-100798/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100798/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100798/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53460-1 MS	C-1 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-1 MSD	C-1 4.5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 100800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-21	C-21 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-22	C-22 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-23	C-23 4.5'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

GC Semi VOA (Continued)

Prep Batch: 100800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-24	C-24 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-25	C-25 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-26	C-26 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-27	C-27 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-28	C-28 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-29	C-29 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-30	C-30 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-31	C-31 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-32	C-32 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-33	C-33 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-34	C-34 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-35	C-35 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-36	C-36 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-37	C-37 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-38	C-38 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-39	C-39 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-40	C-40 4.5'	Total/NA	Solid	8015NM Prep	
MB 880-100800/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100800/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53460-21 MS	C-21 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-21 MSD	C-21 4.5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 100802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-41	C-41 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-42	C-42 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-43	C-43 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-44	C-44 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-45	C-45 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-46	C-46 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-47	C-47 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-48	C-48 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-49	C-49 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-50	C-50 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-51	C-51 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-52	C-52 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-53	C-53 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-54	C-54 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-55	C-55 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-56	C-56 4.5'	Total/NA	Solid	8015NM Prep	
MB 880-100802/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100802/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53460-41 MS	C-41 4.5'	Total/NA	Solid	8015NM Prep	
880-53460-41 MSD	C-41 4.5'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-1	C-1 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-2	C-2 4.5'	Total/NA	Solid	8015B NM	100798

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

GC Semi VOA (Continued)

Analysis Batch: 100938 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-3	C-3 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-4	C-4 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-5	C-5 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-6	C-6 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-7	C-7 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-8	C-8 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-9	C-9 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-10	C-10 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-11	C-11 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-12	C-12 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-13	C-13 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-14	C-14 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-15	C-15 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-16	C-16 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-17	C-17 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-18	C-18 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-19	C-19 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-20	C-20 4.5'	Total/NA	Solid	8015B NM	100798
MB 880-100798/1-A	Method Blank	Total/NA	Solid	8015B NM	100798
LCS 880-100798/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100798
LCSD 880-100798/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100798
880-53460-1 MS	C-1 4.5'	Total/NA	Solid	8015B NM	100798
880-53460-1 MSD	C-1 4.5'	Total/NA	Solid	8015B NM	100798

Analysis Batch: 100940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-21	C-21 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-22	C-22 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-23	C-23 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-24	C-24 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-25	C-25 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-26	C-26 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-27	C-27 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-28	C-28 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-29	C-29 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-30	C-30 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-31	C-31 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-32	C-32 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-33	C-33 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-34	C-34 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-35	C-35 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-36	C-36 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-37	C-37 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-38	C-38 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-39	C-39 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-40	C-40 4.5'	Total/NA	Solid	8015B NM	100800
MB 880-100800/1-A	Method Blank	Total/NA	Solid	8015B NM	100800
LCS 880-100800/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100800
LCSD 880-100800/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100800
880-53460-21 MS	C-21 4.5'	Total/NA	Solid	8015B NM	100800
880-53460-21 MSD	C-21 4.5'	Total/NA	Solid	8015B NM	100800

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

GC Semi VOA

Analysis Batch: 101162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-1	C-1 4.5'	Total/NA	Solid	8015 NM	
880-53460-2	C-2 4.5'	Total/NA	Solid	8015 NM	
880-53460-3	C-3 4.5'	Total/NA	Solid	8015 NM	
880-53460-4	C-4 4.5'	Total/NA	Solid	8015 NM	
880-53460-5	C-5 4.5'	Total/NA	Solid	8015 NM	
880-53460-6	C-6 4.5'	Total/NA	Solid	8015 NM	
880-53460-7	C-7 4.5'	Total/NA	Solid	8015 NM	
880-53460-8	C-8 4.5'	Total/NA	Solid	8015 NM	
880-53460-9	C-9 4.5'	Total/NA	Solid	8015 NM	
880-53460-10	C-10 4.5'	Total/NA	Solid	8015 NM	
880-53460-11	C-11 4.5'	Total/NA	Solid	8015 NM	
880-53460-12	C-12 4.5'	Total/NA	Solid	8015 NM	
880-53460-13	C-13 4.5'	Total/NA	Solid	8015 NM	
880-53460-14	C-14 4.5'	Total/NA	Solid	8015 NM	
880-53460-15	C-15 4.5'	Total/NA	Solid	8015 NM	
880-53460-16	C-16 4.5'	Total/NA	Solid	8015 NM	
880-53460-17	C-17 4.5'	Total/NA	Solid	8015 NM	
880-53460-18	C-18 4.5'	Total/NA	Solid	8015 NM	
880-53460-19	C-19 4.5'	Total/NA	Solid	8015 NM	
880-53460-20	C-20 4.5'	Total/NA	Solid	8015 NM	
880-53460-21	C-21 4.5'	Total/NA	Solid	8015 NM	
880-53460-22	C-22 4.5'	Total/NA	Solid	8015 NM	
880-53460-23	C-23 4.5'	Total/NA	Solid	8015 NM	
880-53460-24	C-24 4.5'	Total/NA	Solid	8015 NM	
880-53460-25	C-25 4.5'	Total/NA	Solid	8015 NM	
880-53460-26	C-26 4.5'	Total/NA	Solid	8015 NM	
880-53460-27	C-27 4.5'	Total/NA	Solid	8015 NM	
880-53460-28	C-28 4.5'	Total/NA	Solid	8015 NM	
880-53460-29	C-29 4.5'	Total/NA	Solid	8015 NM	
880-53460-30	C-30 4.5'	Total/NA	Solid	8015 NM	
880-53460-31	C-31 4.5'	Total/NA	Solid	8015 NM	
880-53460-32	C-32 4.5'	Total/NA	Solid	8015 NM	
880-53460-33	C-33 4.5'	Total/NA	Solid	8015 NM	
880-53460-34	C-34 4.5'	Total/NA	Solid	8015 NM	
880-53460-35	C-35 4.5'	Total/NA	Solid	8015 NM	
880-53460-36	C-36 4.5'	Total/NA	Solid	8015 NM	
880-53460-37	C-37 4.5'	Total/NA	Solid	8015 NM	
880-53460-38	C-38 4.5'	Total/NA	Solid	8015 NM	
880-53460-39	C-39 4.5'	Total/NA	Solid	8015 NM	
880-53460-40	C-40 4.5'	Total/NA	Solid	8015 NM	
880-53460-41	C-41 4.5'	Total/NA	Solid	8015 NM	
880-53460-42	C-42 4.5'	Total/NA	Solid	8015 NM	
880-53460-43	C-43 4.5'	Total/NA	Solid	8015 NM	
880-53460-44	C-44 4.5'	Total/NA	Solid	8015 NM	
880-53460-45	C-45 4.5'	Total/NA	Solid	8015 NM	
880-53460-46	C-46 4.5'	Total/NA	Solid	8015 NM	
880-53460-47	C-47 4.5'	Total/NA	Solid	8015 NM	
880-53460-48	C-48 4.5'	Total/NA	Solid	8015 NM	
880-53460-49	C-49 4.5'	Total/NA	Solid	8015 NM	
880-53460-50	C-50 4.5'	Total/NA	Solid	8015 NM	
880-53460-51	C-51 4.5'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

GC Semi VOA (Continued)

Analysis Batch: 101162 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-52	C-52 4.5'	Total/NA	Solid	8015 NM	
880-53460-53	C-53 4.5'	Total/NA	Solid	8015 NM	
880-53460-54	C-54 4.5'	Total/NA	Solid	8015 NM	
880-53460-55	C-55 4.5'	Total/NA	Solid	8015 NM	
880-53460-56	C-56 4.5'	Total/NA	Solid	8015 NM	

Analysis Batch: 101253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-41	C-41 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-42	C-42 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-43	C-43 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-44	C-44 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-45	C-45 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-46	C-46 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-47	C-47 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-48	C-48 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-49	C-49 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-50	C-50 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-51	C-51 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-52	C-52 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-53	C-53 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-54	C-54 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-55	C-55 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-56	C-56 4.5'	Total/NA	Solid	8015B NM	100802
MB 880-100802/1-A	Method Blank	Total/NA	Solid	8015B NM	100802
LCS 880-100802/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100802
LCSD 880-100802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100802
880-53460-41 MS	C-41 4.5'	Total/NA	Solid	8015B NM	100802
880-53460-41 MSD	C-41 4.5'	Total/NA	Solid	8015B NM	100802

HPLC/IC

Leach Batch: 100878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-1	C-1 4.5'	Soluble	Solid	DI Leach	
880-53460-2	C-2 4.5'	Soluble	Solid	DI Leach	
880-53460-3	C-3 4.5'	Soluble	Solid	DI Leach	
MB 880-100878/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100878/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100878/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 100879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-4	C-4 4.5'	Soluble	Solid	DI Leach	
880-53460-5	C-5 4.5'	Soluble	Solid	DI Leach	
880-53460-6	C-6 4.5'	Soluble	Solid	DI Leach	
880-53460-7	C-7 4.5'	Soluble	Solid	DI Leach	
880-53460-8	C-8 4.5'	Soluble	Solid	DI Leach	
880-53460-9	C-9 4.5'	Soluble	Solid	DI Leach	
880-53460-10	C-10 4.5'	Soluble	Solid	DI Leach	
880-53460-11	C-11 4.5'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

HPLC/IC (Continued)

Leach Batch: 100879 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-12	C-12 4.5'	Soluble	Solid	DI Leach	
880-53460-13	C-13 4.5'	Soluble	Solid	DI Leach	
880-53460-14	C-14 4.5'	Soluble	Solid	DI Leach	
880-53460-15	C-15 4.5'	Soluble	Solid	DI Leach	
880-53460-16	C-16 4.5'	Soluble	Solid	DI Leach	
880-53460-17	C-17 4.5'	Soluble	Solid	DI Leach	
880-53460-18	C-18 4.5'	Soluble	Solid	DI Leach	
880-53460-19	C-19 4.5'	Soluble	Solid	DI Leach	
880-53460-20	C-20 4.5'	Soluble	Solid	DI Leach	
880-53460-21	C-21 4.5'	Soluble	Solid	DI Leach	
880-53460-22	C-22 4.5'	Soluble	Solid	DI Leach	
880-53460-23	C-23 4.5'	Soluble	Solid	DI Leach	
MB 880-100879/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100879/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100879/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53460-4 MS	C-4 4.5'	Soluble	Solid	DI Leach	
880-53460-4 MSD	C-4 4.5'	Soluble	Solid	DI Leach	
880-53460-14 MS	C-14 4.5'	Soluble	Solid	DI Leach	
880-53460-14 MSD	C-14 4.5'	Soluble	Solid	DI Leach	

Leach Batch: 100880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-24	C-24 4.5'	Soluble	Solid	DI Leach	
880-53460-25	C-25 4.5'	Soluble	Solid	DI Leach	
880-53460-26	C-26 4.5'	Soluble	Solid	DI Leach	
880-53460-27	C-27 4.5'	Soluble	Solid	DI Leach	
880-53460-28	C-28 4.5'	Soluble	Solid	DI Leach	
880-53460-29	C-29 4.5'	Soluble	Solid	DI Leach	
880-53460-30	C-30 4.5'	Soluble	Solid	DI Leach	
880-53460-31	C-31 4.5'	Soluble	Solid	DI Leach	
880-53460-32	C-32 4.5'	Soluble	Solid	DI Leach	
880-53460-33	C-33 4.5'	Soluble	Solid	DI Leach	
880-53460-34	C-34 4.5'	Soluble	Solid	DI Leach	
880-53460-35	C-35 4.5'	Soluble	Solid	DI Leach	
880-53460-36	C-36 4.5'	Soluble	Solid	DI Leach	
880-53460-37	C-37 4.5'	Soluble	Solid	DI Leach	
880-53460-38	C-38 4.5'	Soluble	Solid	DI Leach	
880-53460-39	C-39 4.5'	Soluble	Solid	DI Leach	
880-53460-40	C-40 4.5'	Soluble	Solid	DI Leach	
880-53460-41	C-41 4.5'	Soluble	Solid	DI Leach	
880-53460-42	C-42 4.5'	Soluble	Solid	DI Leach	
880-53460-43	C-43 4.5'	Soluble	Solid	DI Leach	
MB 880-100880/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100880/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100880/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53460-24 MS	C-24 4.5'	Soluble	Solid	DI Leach	
880-53460-24 MSD	C-24 4.5'	Soluble	Solid	DI Leach	
880-53460-34 MS	C-34 4.5'	Soluble	Solid	DI Leach	
880-53460-34 MSD	C-34 4.5'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

HPLC/IC

Leach Batch: 100881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-44	C-44 4.5'	Soluble	Solid	DI Leach	
880-53460-45	C-45 4.5'	Soluble	Solid	DI Leach	
880-53460-46	C-46 4.5'	Soluble	Solid	DI Leach	
880-53460-47	C-47 4.5'	Soluble	Solid	DI Leach	
880-53460-48	C-48 4.5'	Soluble	Solid	DI Leach	
880-53460-49	C-49 4.5'	Soluble	Solid	DI Leach	
880-53460-50	C-50 4.5'	Soluble	Solid	DI Leach	
880-53460-51	C-51 4.5'	Soluble	Solid	DI Leach	
880-53460-52	C-52 4.5'	Soluble	Solid	DI Leach	
880-53460-53	C-53 4.5'	Soluble	Solid	DI Leach	
880-53460-54	C-54 4.5'	Soluble	Solid	DI Leach	
880-53460-55	C-55 4.5'	Soluble	Solid	DI Leach	
880-53460-56	C-56 4.5'	Soluble	Solid	DI Leach	
MB 880-100881/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100881/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100881/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53460-44 MS	C-44 4.5'	Soluble	Solid	DI Leach	
880-53460-44 MSD	C-44 4.5'	Soluble	Solid	DI Leach	
880-53460-54 MS	C-54 4.5'	Soluble	Solid	DI Leach	
880-53460-54 MSD	C-54 4.5'	Soluble	Solid	DI Leach	

Analysis Batch: 100913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-1	C-1 4.5'	Soluble	Solid	300.0	100878
880-53460-2	C-2 4.5'	Soluble	Solid	300.0	100878
880-53460-3	C-3 4.5'	Soluble	Solid	300.0	100878
MB 880-100878/1-A	Method Blank	Soluble	Solid	300.0	100878
LCS 880-100878/2-A	Lab Control Sample	Soluble	Solid	300.0	100878
LCSD 880-100878/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100878

Analysis Batch: 100919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-4	C-4 4.5'	Soluble	Solid	300.0	100879
880-53460-5	C-5 4.5'	Soluble	Solid	300.0	100879
880-53460-6	C-6 4.5'	Soluble	Solid	300.0	100879
880-53460-7	C-7 4.5'	Soluble	Solid	300.0	100879
880-53460-8	C-8 4.5'	Soluble	Solid	300.0	100879
880-53460-9	C-9 4.5'	Soluble	Solid	300.0	100879
880-53460-10	C-10 4.5'	Soluble	Solid	300.0	100879
880-53460-11	C-11 4.5'	Soluble	Solid	300.0	100879
880-53460-12	C-12 4.5'	Soluble	Solid	300.0	100879
880-53460-13	C-13 4.5'	Soluble	Solid	300.0	100879
880-53460-14	C-14 4.5'	Soluble	Solid	300.0	100879
880-53460-15	C-15 4.5'	Soluble	Solid	300.0	100879
880-53460-16	C-16 4.5'	Soluble	Solid	300.0	100879
880-53460-17	C-17 4.5'	Soluble	Solid	300.0	100879
880-53460-18	C-18 4.5'	Soluble	Solid	300.0	100879
880-53460-19	C-19 4.5'	Soluble	Solid	300.0	100879
880-53460-20	C-20 4.5'	Soluble	Solid	300.0	100879
880-53460-21	C-21 4.5'	Soluble	Solid	300.0	100879
880-53460-22	C-22 4.5'	Soluble	Solid	300.0	100879

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

HPLC/IC (Continued)

Analysis Batch: 100919 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-23	C-23 4.5'	Soluble	Solid	300.0	100879
MB 880-100879/1-A	Method Blank	Soluble	Solid	300.0	100879
LCS 880-100879/2-A	Lab Control Sample	Soluble	Solid	300.0	100879
LCSD 880-100879/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100879
880-53460-4 MS	C-4 4.5'	Soluble	Solid	300.0	100879
880-53460-4 MSD	C-4 4.5'	Soluble	Solid	300.0	100879
880-53460-14 MS	C-14 4.5'	Soluble	Solid	300.0	100879
880-53460-14 MSD	C-14 4.5'	Soluble	Solid	300.0	100879

Analysis Batch: 100987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-24	C-24 4.5'	Soluble	Solid	300.0	100880
880-53460-25	C-25 4.5'	Soluble	Solid	300.0	100880
880-53460-26	C-26 4.5'	Soluble	Solid	300.0	100880
880-53460-27	C-27 4.5'	Soluble	Solid	300.0	100880
880-53460-28	C-28 4.5'	Soluble	Solid	300.0	100880
880-53460-29	C-29 4.5'	Soluble	Solid	300.0	100880
880-53460-30	C-30 4.5'	Soluble	Solid	300.0	100880
880-53460-31	C-31 4.5'	Soluble	Solid	300.0	100880
880-53460-32	C-32 4.5'	Soluble	Solid	300.0	100880
880-53460-33	C-33 4.5'	Soluble	Solid	300.0	100880
880-53460-34	C-34 4.5'	Soluble	Solid	300.0	100880
880-53460-35	C-35 4.5'	Soluble	Solid	300.0	100880
880-53460-36	C-36 4.5'	Soluble	Solid	300.0	100880
880-53460-37	C-37 4.5'	Soluble	Solid	300.0	100880
880-53460-38	C-38 4.5'	Soluble	Solid	300.0	100880
880-53460-39	C-39 4.5'	Soluble	Solid	300.0	100880
880-53460-40	C-40 4.5'	Soluble	Solid	300.0	100880
880-53460-41	C-41 4.5'	Soluble	Solid	300.0	100880
880-53460-42	C-42 4.5'	Soluble	Solid	300.0	100880
880-53460-43	C-43 4.5'	Soluble	Solid	300.0	100880
MB 880-100880/1-A	Method Blank	Soluble	Solid	300.0	100880
LCS 880-100880/2-A	Lab Control Sample	Soluble	Solid	300.0	100880
LCSD 880-100880/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100880
880-53460-24 MS	C-24 4.5'	Soluble	Solid	300.0	100880
880-53460-24 MSD	C-24 4.5'	Soluble	Solid	300.0	100880
880-53460-34 MS	C-34 4.5'	Soluble	Solid	300.0	100880
880-53460-34 MSD	C-34 4.5'	Soluble	Solid	300.0	100880

Analysis Batch: 100989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-44	C-44 4.5'	Soluble	Solid	300.0	100881
880-53460-45	C-45 4.5'	Soluble	Solid	300.0	100881
880-53460-46	C-46 4.5'	Soluble	Solid	300.0	100881
880-53460-47	C-47 4.5'	Soluble	Solid	300.0	100881
880-53460-48	C-48 4.5'	Soluble	Solid	300.0	100881
880-53460-49	C-49 4.5'	Soluble	Solid	300.0	100881
880-53460-50	C-50 4.5'	Soluble	Solid	300.0	100881
880-53460-51	C-51 4.5'	Soluble	Solid	300.0	100881
880-53460-52	C-52 4.5'	Soluble	Solid	300.0	100881
880-53460-53	C-53 4.5'	Soluble	Solid	300.0	100881

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

HPLC/IC (Continued)

Analysis Batch: 100989 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53460-54	C-54 4.5'	Soluble	Solid	300.0	100881
880-53460-55	C-55 4.5'	Soluble	Solid	300.0	100881
880-53460-56	C-56 4.5'	Soluble	Solid	300.0	100881
MB 880-100881/1-A	Method Blank	Soluble	Solid	300.0	100881
LCS 880-100881/2-A	Lab Control Sample	Soluble	Solid	300.0	100881
LCSD 880-100881/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100881
880-53460-44 MS	C-44 4.5'	Soluble	Solid	300.0	100881
880-53460-44 MSD	C-44 4.5'	Soluble	Solid	300.0	100881
880-53460-54 MS	C-54 4.5'	Soluble	Solid	300.0	100881
880-53460-54 MSD	C-54 4.5'	Soluble	Solid	300.0	100881

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-1 4.5'

Lab Sample ID: 880-53460-1

Date Collected: 01/20/25 08:41

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 04:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 04:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 18:46	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 04:22	CH	EET MID

Client Sample ID: C-2 4.5'

Lab Sample ID: 880-53460-2

Date Collected: 01/20/25 08:45

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 04:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 04:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 19:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 19:31	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 04:30	CH	EET MID

Client Sample ID: C-3 4.5'

Lab Sample ID: 880-53460-3

Date Collected: 01/20/25 08:50

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 04:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 04:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 19:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 19:45	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100878	01/22/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100913	01/24/25 04:37	CH	EET MID

Client Sample ID: C-4 4.5'

Lab Sample ID: 880-53460-4

Date Collected: 01/20/25 08:52

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 05:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 05:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-4 4.5'**Lab Sample ID: 880-53460-4****Date Collected: 01/20/25 08:52****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101162	01/23/25 20:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 20:00	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 13:27	CH	EET MID

Client Sample ID: C-5 4.5'**Lab Sample ID: 880-53460-5****Date Collected: 01/20/25 09:00****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 05:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 05:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 20:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 20:13	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 13:45	CH	EET MID

Client Sample ID: C-6 4.5'**Lab Sample ID: 880-53460-6****Date Collected: 01/20/25 09:02****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 05:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 05:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 20:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 20:29	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 13:51	CH	EET MID

Client Sample ID: C-7 4.5'**Lab Sample ID: 880-53460-7****Date Collected: 01/20/25 09:04****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 06:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 06:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 20:43	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-7 4.5'**Lab Sample ID: 880-53460-7****Date Collected: 01/20/25 09:04****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 13:56	CH	EET MID

Client Sample ID: C-8 4.5'**Lab Sample ID: 880-53460-8****Date Collected: 01/20/25 09:07****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 06:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 06:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 20:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 20:58	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 14:02	CH	EET MID

Client Sample ID: C-9 4.5'**Lab Sample ID: 880-53460-9****Date Collected: 01/20/25 09:13****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 06:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 06:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 21:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 21:12	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 14:20	CH	EET MID

Client Sample ID: C-10 4.5'**Lab Sample ID: 880-53460-10****Date Collected: 01/20/25 09:16****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 07:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 07:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 21:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 21:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 14:26	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-11 4.5'

Lab Sample ID: 880-53460-11

Date Collected: 01/20/25 09:19

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 08:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 08:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 21:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 21:56	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 14:32	CH	EET MID

Client Sample ID: C-12 4.5'

Lab Sample ID: 880-53460-12

Date Collected: 01/20/25 09:25

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 08:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 08:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 22:11	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100919	01/23/25 14:38	CH	EET MID

Client Sample ID: C-13 4.5'

Lab Sample ID: 880-53460-13

Date Collected: 01/20/25 09:29

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 09:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 09:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 22:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 22:25	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100919	01/23/25 14:44	CH	EET MID

Client Sample ID: C-14 4.5'

Lab Sample ID: 880-53460-14

Date Collected: 01/20/25 09:31

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 09:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 09:33	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-14 4.5'

Lab Sample ID: 880-53460-14

Date Collected: 01/20/25 09:31

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101162	01/23/25 22:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 22:41	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 14:49	CH	EET MID

Client Sample ID: C-15 4.5'

Lab Sample ID: 880-53460-15

Date Collected: 01/20/25 09:35

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 09:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 22:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 15:07	CH	EET MID

Client Sample ID: C-16 4.5'

Lab Sample ID: 880-53460-16

Date Collected: 01/20/25 09:42

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 10:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 10:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 23:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 23:10	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 15:13	CH	EET MID

Client Sample ID: C-17 4.5'

Lab Sample ID: 880-53460-17

Date Collected: 01/20/25 09:48

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 10:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 10:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 23:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 23:24	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-17 4.5'**Lab Sample ID: 880-53460-17****Date Collected: 01/20/25 09:48****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 17:35	CH	EET MID

Client Sample ID: C-18 4.5'**Lab Sample ID: 880-53460-18****Date Collected: 01/20/25 09:53****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 10:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 10:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 23:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 23:39	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 17:40	CH	EET MID

Client Sample ID: C-19 4.5'**Lab Sample ID: 880-53460-19****Date Collected: 01/20/25 09:57****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 11:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 11:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 23:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/23/25 23:54	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 17:46	CH	EET MID

Client Sample ID: C-20 4.5'**Lab Sample ID: 880-53460-20****Date Collected: 01/20/25 10:06****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100799	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 11:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 11:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/24/25 00:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100798	01/21/25 15:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100938	01/24/25 00:08	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 17:52	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-21 4.5'**Lab Sample ID: 880-53460-21****Date Collected: 01/20/25 10:09****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 18:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 19:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 19:05	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 17:58	CH	EET MID

Client Sample ID: C-22 4.5'**Lab Sample ID: 880-53460-22****Date Collected: 01/20/25 10:14****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 18:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 19:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 19:51	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 18:04	CH	EET MID

Client Sample ID: C-23 4.5'**Lab Sample ID: 880-53460-23****Date Collected: 01/20/25 10:21****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 18:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 20:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 20:07	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	100879	01/22/25 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100919	01/23/25 18:10	CH	EET MID

Client Sample ID: C-24 4.5'**Lab Sample ID: 880-53460-24****Date Collected: 01/20/25 10:27****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 19:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-24 4.5'

Lab Sample ID: 880-53460-24

Date Collected: 01/20/25 10:27

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101162	01/23/25 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 20:23	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100987	01/23/25 20:10	CH	EET MID

Client Sample ID: C-25 4.5'

Lab Sample ID: 880-53460-25

Date Collected: 01/20/25 10:29

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 19:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 20:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 20:38	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 20:27	CH	EET MID

Client Sample ID: C-26 4.5'

Lab Sample ID: 880-53460-26

Date Collected: 01/20/25 10:35

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 19:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 19:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 20:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 20:55	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 20:32	CH	EET MID

Client Sample ID: C-27 4.5'

Lab Sample ID: 880-53460-27

Date Collected: 01/20/25 10:41

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 20:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 20:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 21:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 21:10	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-27 4.5'**Lab Sample ID: 880-53460-27****Date Collected: 01/20/25 10:41****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 20:38	CH	EET MID

Client Sample ID: C-28 4.5'**Lab Sample ID: 880-53460-28****Date Collected: 01/20/25 10:45****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 20:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 20:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 21:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 21:26	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 20:44	CH	EET MID

Client Sample ID: C-29 4.5'**Lab Sample ID: 880-53460-29****Date Collected: 01/20/25 10:49****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 20:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 20:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 21:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 21:41	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100987	01/23/25 21:01	CH	EET MID

Client Sample ID: C-30 4.5'**Lab Sample ID: 880-53460-30****Date Collected: 01/20/25 10:52****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 21:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 21:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 21:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 21:57	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 21:06	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-31 4.5'**Lab Sample ID: 880-53460-31****Date Collected: 01/20/25 10:57****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 22:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 22:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 22:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 22:28	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 21:12	CH	EET MID

Client Sample ID: C-32 4.5'**Lab Sample ID: 880-53460-32****Date Collected: 01/20/25 10:59****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 23:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 23:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 22:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 22:44	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 21:18	CH	EET MID

Client Sample ID: C-33 4.5'**Lab Sample ID: 880-53460-33****Date Collected: 01/20/25 11:07****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 23:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 23:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 23:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 23:00	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 21:23	CH	EET MID

Client Sample ID: C-34 4.5'**Lab Sample ID: 880-53460-34****Date Collected: 01/20/25 11:09****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/21/25 23:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 23:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-34 4.5'

Lab Sample ID: 880-53460-34

Date Collected: 01/20/25 11:09

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101162	01/23/25 23:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 23:15	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 21:29	CH	EET MID

Client Sample ID: C-35 4.5'

Lab Sample ID: 880-53460-35

Date Collected: 01/20/25 11:14

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/22/25 00:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 00:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 23:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 23:31	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 21:46	CH	EET MID

Client Sample ID: C-36 4.5'

Lab Sample ID: 880-53460-36

Date Collected: 01/20/25 11:18

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/22/25 00:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 00:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/23/25 23:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/23/25 23:46	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 21:52	CH	EET MID

Client Sample ID: C-37 4.5'

Lab Sample ID: 880-53460-37

Date Collected: 01/20/25 11:25

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/22/25 00:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 00:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/24/25 00:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/24/25 00:02	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-37 4.5'**Lab Sample ID: 880-53460-37****Date Collected: 01/20/25 11:25****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 22:09	CH	EET MID

Client Sample ID: C-38 4.5'**Lab Sample ID: 880-53460-38****Date Collected: 01/20/25 11:29****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/22/25 01:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 01:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/24/25 00:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/24/25 00:18	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 22:14	CH	EET MID

Client Sample ID: C-39 4.5'**Lab Sample ID: 880-53460-39****Date Collected: 01/20/25 11:32****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/22/25 01:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 01:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/24/25 00:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/24/25 00:33	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 22:20	CH	EET MID

Client Sample ID: C-40 4.5'**Lab Sample ID: 880-53460-40****Date Collected: 01/20/25 11:34****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100801	01/21/25 15:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100733	01/22/25 01:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 01:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/24/25 00:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100800	01/21/25 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100940	01/24/25 00:49	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100987	01/23/25 22:26	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-41 4.5'

Lab Sample ID: 880-53460-41

Date Collected: 01/20/25 11:40

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 21:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 21:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 18:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 18:26	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100987	01/23/25 22:31	CH	EET MID

Client Sample ID: C-42 4.5'

Lab Sample ID: 880-53460-42

Date Collected: 01/20/25 11:45

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 22:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 22:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 19:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 19:12	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100987	01/23/25 22:37	CH	EET MID

Client Sample ID: C-43 4.5'

Lab Sample ID: 880-53460-43

Date Collected: 01/20/25 11:49

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 22:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 22:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 19:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 19:28	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100880	01/22/25 11:13	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100987	01/23/25 22:43	CH	EET MID

Client Sample ID: C-44 4.5'

Lab Sample ID: 880-53460-44

Date Collected: 01/20/25 11:52

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 22:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 22:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-44 4.5'

Lab Sample ID: 880-53460-44

Date Collected: 01/20/25 11:52

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101162	01/27/25 19:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 19:42	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 18:57	CH	EET MID

Client Sample ID: C-45 4.5'

Lab Sample ID: 880-53460-45

Date Collected: 01/20/25 11:57

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 23:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 23:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 19:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 19:57	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 19:15	CH	EET MID

Client Sample ID: C-46 4.5'

Lab Sample ID: 880-53460-46

Date Collected: 01/20/25 12:04

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 23:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 23:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 20:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 20:13	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 19:21	CH	EET MID

Client Sample ID: C-47 4.5'

Lab Sample ID: 880-53460-47

Date Collected: 01/20/25 12:09

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/21/25 23:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 23:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 20:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 20:28	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-47 4.5'**Lab Sample ID: 880-53460-47****Date Collected: 01/20/25 12:09****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 19:26	CH	EET MID

Client Sample ID: C-48 4.5'**Lab Sample ID: 880-53460-48****Date Collected: 01/20/25 12:13****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 00:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 20:43	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 19:32	CH	EET MID

Client Sample ID: C-49 4.5'**Lab Sample ID: 880-53460-49****Date Collected: 01/20/25 12:17****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 00:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 00:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 20:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 20:59	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 19:50	CH	EET MID

Client Sample ID: C-50 4.5'**Lab Sample ID: 880-53460-50****Date Collected: 01/20/25 12:21****Matrix: Solid****Date Received: 01/21/25 14:05**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100797	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100732	01/22/25 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/22/25 00:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 21:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 21:14	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 19:56	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-51 4.5'

Lab Sample ID: 880-53460-51

Date Collected: 01/20/25 12:26

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100760	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100730	01/21/25 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 18:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 21:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 21:44	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 20:02	CH	EET MID

Client Sample ID: C-52 4.5'

Lab Sample ID: 880-53460-52

Date Collected: 01/20/25 12:29

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100760	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100730	01/21/25 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 18:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 22:00	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 20:08	CH	EET MID

Client Sample ID: C-53 4.5'

Lab Sample ID: 880-53460-53

Date Collected: 01/20/25 12:37

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100760	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100730	01/21/25 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 19:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 22:14	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 20:14	CH	EET MID

Client Sample ID: C-54 4.5'

Lab Sample ID: 880-53460-54

Date Collected: 01/20/25 12:45

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100760	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100730	01/21/25 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 19:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Client Sample ID: C-54 4.5'

Lab Sample ID: 880-53460-54

Date Collected: 01/20/25 12:45

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101162	01/27/25 22:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 22:30	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 20:19	CH	EET MID

Client Sample ID: C-55 4.5'

Lab Sample ID: 880-53460-55

Date Collected: 01/20/25 12:55

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100760	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100730	01/21/25 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 19:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 22:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 22:46	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 20:37	CH	EET MID

Client Sample ID: C-56 4.5'

Lab Sample ID: 880-53460-56

Date Collected: 01/20/25 12:58

Matrix: Solid

Date Received: 01/21/25 14:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100760	01/21/25 15:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100730	01/21/25 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100866	01/21/25 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			101162	01/27/25 23:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100802	01/21/25 15:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101253	01/27/25 23:00	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100881	01/22/25 11:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100989	01/23/25 20:43	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53460-1	C-1 4.5'	Solid	01/20/25 08:41	01/21/25 14:05
880-53460-2	C-2 4.5'	Solid	01/20/25 08:45	01/21/25 14:05
880-53460-3	C-3 4.5'	Solid	01/20/25 08:50	01/21/25 14:05
880-53460-4	C-4 4.5'	Solid	01/20/25 08:52	01/21/25 14:05
880-53460-5	C-5 4.5'	Solid	01/20/25 09:00	01/21/25 14:05
880-53460-6	C-6 4.5'	Solid	01/20/25 09:02	01/21/25 14:05
880-53460-7	C-7 4.5'	Solid	01/20/25 09:04	01/21/25 14:05
880-53460-8	C-8 4.5'	Solid	01/20/25 09:07	01/21/25 14:05
880-53460-9	C-9 4.5'	Solid	01/20/25 09:13	01/21/25 14:05
880-53460-10	C-10 4.5'	Solid	01/20/25 09:16	01/21/25 14:05
880-53460-11	C-11 4.5'	Solid	01/20/25 09:19	01/21/25 14:05
880-53460-12	C-12 4.5'	Solid	01/20/25 09:25	01/21/25 14:05
880-53460-13	C-13 4.5'	Solid	01/20/25 09:29	01/21/25 14:05
880-53460-14	C-14 4.5'	Solid	01/20/25 09:31	01/21/25 14:05
880-53460-15	C-15 4.5'	Solid	01/20/25 09:35	01/21/25 14:05
880-53460-16	C-16 4.5'	Solid	01/20/25 09:42	01/21/25 14:05
880-53460-17	C-17 4.5'	Solid	01/20/25 09:48	01/21/25 14:05
880-53460-18	C-18 4.5'	Solid	01/20/25 09:53	01/21/25 14:05
880-53460-19	C-19 4.5'	Solid	01/20/25 09:57	01/21/25 14:05
880-53460-20	C-20 4.5'	Solid	01/20/25 10:06	01/21/25 14:05
880-53460-21	C-21 4.5'	Solid	01/20/25 10:09	01/21/25 14:05
880-53460-22	C-22 4.5'	Solid	01/20/25 10:14	01/21/25 14:05
880-53460-23	C-23 4.5'	Solid	01/20/25 10:21	01/21/25 14:05
880-53460-24	C-24 4.5'	Solid	01/20/25 10:27	01/21/25 14:05
880-53460-25	C-25 4.5'	Solid	01/20/25 10:29	01/21/25 14:05
880-53460-26	C-26 4.5'	Solid	01/20/25 10:35	01/21/25 14:05
880-53460-27	C-27 4.5'	Solid	01/20/25 10:41	01/21/25 14:05
880-53460-28	C-28 4.5'	Solid	01/20/25 10:45	01/21/25 14:05
880-53460-29	C-29 4.5'	Solid	01/20/25 10:49	01/21/25 14:05
880-53460-30	C-30 4.5'	Solid	01/20/25 10:52	01/21/25 14:05
880-53460-31	C-31 4.5'	Solid	01/20/25 10:57	01/21/25 14:05
880-53460-32	C-32 4.5'	Solid	01/20/25 10:59	01/21/25 14:05
880-53460-33	C-33 4.5'	Solid	01/20/25 11:07	01/21/25 14:05
880-53460-34	C-34 4.5'	Solid	01/20/25 11:09	01/21/25 14:05
880-53460-35	C-35 4.5'	Solid	01/20/25 11:14	01/21/25 14:05
880-53460-36	C-36 4.5'	Solid	01/20/25 11:18	01/21/25 14:05
880-53460-37	C-37 4.5'	Solid	01/20/25 11:25	01/21/25 14:05
880-53460-38	C-38 4.5'	Solid	01/20/25 11:29	01/21/25 14:05
880-53460-39	C-39 4.5'	Solid	01/20/25 11:32	01/21/25 14:05
880-53460-40	C-40 4.5'	Solid	01/20/25 11:34	01/21/25 14:05
880-53460-41	C-41 4.5'	Solid	01/20/25 11:40	01/21/25 14:05
880-53460-42	C-42 4.5'	Solid	01/20/25 11:45	01/21/25 14:05
880-53460-43	C-43 4.5'	Solid	01/20/25 11:49	01/21/25 14:05
880-53460-44	C-44 4.5'	Solid	01/20/25 11:52	01/21/25 14:05
880-53460-45	C-45 4.5'	Solid	01/20/25 11:57	01/21/25 14:05
880-53460-46	C-46 4.5'	Solid	01/20/25 12:04	01/21/25 14:05
880-53460-47	C-47 4.5'	Solid	01/20/25 12:09	01/21/25 14:05
880-53460-48	C-48 4.5'	Solid	01/20/25 12:13	01/21/25 14:05
880-53460-49	C-49 4.5'	Solid	01/20/25 12:17	01/21/25 14:05
880-53460-50	C-50 4.5'	Solid	01/20/25 12:21	01/21/25 14:05
880-53460-51	C-51 4.5'	Solid	01/20/25 12:26	01/21/25 14:05
880-53460-52	C-52 4.5'	Solid	01/20/25 12:29	01/21/25 14:05
880-53460-53	C-53 4.5'	Solid	01/20/25 12:37	01/21/25 14:05
880-53460-54	C-54 4.5'	Solid	01/20/25 12:45	01/21/25 14:05

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-53460-1
SDG: 25-0100-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53460-55	C-55 4.5'	Solid	01/20/25 12:55	01/21/25 14:05
880-53460-56	C-56 4.5'	Solid	01/20/25 12:58	01/21/25 14:05

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[illegible]

CHAIN-OF-CUSTODY

[illegible]

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Varson & Associates, Inc.
Environmental Consultants

507 N. Marientfield, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to: **DAVID ST GERMAN / MARK LARSON**

DATE: 1/21/2025 PAGE 3 OF 4
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: WATERFLEET (STREET)
LAI PROJECT #: 25-0100-01 COLLECTOR: JR

No. 3194
CHAIN-OF-CUSTODY

TRRP report? ☐ Yes ☒ No	S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	PRESERVATION HCl HNO ₃ H ₂ SO ₄ ☐ NaOH ☐ ICE UNPRESERVED		ANALYSES BTEX ☐ MTBE ☐ TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ TCCLP - METALS (RCRA) ☐ TCCLP VOC ☐ TCCLP - PEST ☐ HERB ☐ OTHER VOC ☐ TOTAL METALS (RCRA) ☐ D W 200.8 ☐ TCCLP ☐ LEAD - TOTAL ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ PH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PETCHLORATE ☐ CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	
TIME ZONE: Time zone/State: <u>MNT/NM</u>	Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers
C-31	4.5'		1/20/25	10:57	S	1
C-32	4.5'			10:59		
C-33	4.5'			11:07		
C-34	4.5'			11:09		
C-35	4.5'			11:14		
C-36	4.5'			11:18		
C-37	0-4.5'			11:25		
C-38	0-4.5'			11:29		
C-39	0-4.5'			11:32		
C-40	0-4.5'			11:34		
C-41	0-4.5'			11:40		
C-42	0-4.5'			11:45		
C-43	0-4.5'			11:49		
C-44	0-4.5'			11:52		
C-45	0-4.5'			11:57		
TOTAL 15						
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐		
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	LABORATORY USE ONLY: RECEIVING TEMP: _____ THERM#: _____ CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # _____ ☐ HAND DELIVERED		
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME			
LABORATORY: <u>Eurofins</u>						

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No. 3195

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marientfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to: **DAVID ST GERMAIN / MARK LARSON**

DATE: 1/21/2025 PAGE 4 OF 4
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: WATERPURY (SECT)
LAI PROJECT #: 25-0100-01 COLLECTOR: IR

TRRP report? ☐ Yes ☒ No
S=SOIL W=WATER P=PAINT
A=AIR SL=SLUDGE OT=OTHER

TIME ZONE: _____
Time zone/State: _____
MNT / NM

Field Sample I.D. _____ Lab # _____ Date _____ Time _____ Matrix _____

C-46 0-4.5' _____ 1/20/25 12:04 S 1

C-47 0-4.5' _____ 12:09 _____

C-48 0-4.5' _____ 12:13 _____

C-49 0-4.5' _____ 12:17 _____

C-50 0-4.5' _____ 12:21 _____

C-51 0-4.5' _____ 12:26 _____

C-52 0-4.5' _____ 12:29 _____

C-53 0-4.5' _____ 12:37 _____

C-54 0-4.5' _____ 12:45 _____

C-55 0-4.5' _____ 12:55 _____

C-56 0-4.5' _____ 12:58 _____

TOTAL 11

RELINQUISHED BY: (Signature) _____ DATE/TIME _____ RECEIVED BY: (Signature) _____

RELINQUISHED BY: (Signature) _____ DATE/TIME _____ RECEIVED BY: (Signature) _____

RELINQUISHED BY: (Signature) _____ DATE/TIME _____ RECEIVED BY: (Signature) _____

LABORATORY: EUROFINS

ANALYSES
BTEX ☒ MTBE ☐
TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☒
DIESEL - MOD 8015 ☒
OIL - MOD 8015 ☒
VOC 8260 ☐
SVOC 8270 ☐
8081 PESTICIDES ☐ PAH 8270 ☐ HOLDPAH ☐
8082 PCBs ☐ 8151 HERBICIDES ☐
TCPP - METALS (RCRA) ☐ TCLP VOC ☐
TCLP - PEST ☐ HERB ☐ Semi-VOC ☐
TOTAL METALS (RCRA) ☐ OTHER LIST ☐
LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐
RCL ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
pH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PECTHLORATE ☐
CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐
FIELD NOTES

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: _____ THERM #: _____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-53460-1

SDG Number: 25-0100-01

Login Number: 53460

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 2/17/2025 9:48:44 AM

JOB DESCRIPTION

Waterfleet (Select)
25-0100-01

JOB NUMBER

880-54423-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



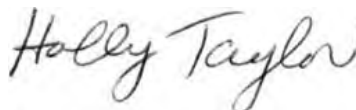
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
2/17/2025 9:48:44 AM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Laboratory Job ID: 880-54423-1
SDG: 25-0100-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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
SQL	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: Larson & Associates, Inc.
Project: Waterfleet (Select)

Job ID: 880-54423-1

Job ID: 880-54423-1**Eurofins Midland****Job Narrative
880-54423-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 2/13/2025 9:18 AM. 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 3.5°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BF-1 (880-54423-1) and BF-2 (880-54423-2). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Client Sample ID: BF-1

Lab Sample ID: 880-54423-1

Date Collected: 02/11/25 08:39

Matrix: Solid

Date Received: 02/13/25 09:18

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/13/25 11:04	02/13/25 17:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/13/25 11:04	02/13/25 17:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/13/25 11:04	02/13/25 17:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/13/25 11:04	02/13/25 17:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/13/25 11:04	02/13/25 17:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/13/25 11:04	02/13/25 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/13/25 11:04	02/13/25 17:52	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/13/25 11:04	02/13/25 17:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/13/25 17:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/14/25 12:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/13/25 20:01	02/14/25 12:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/13/25 20:01	02/14/25 12:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/13/25 20:01	02/14/25 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130	02/13/25 20:01	02/14/25 12:48	1
o-Terphenyl (Surr)	68	S1-	70 - 130	02/13/25 20:01	02/14/25 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		10.1	mg/Kg			02/14/25 15:03	1

Client Sample ID: BF-2

Lab Sample ID: 880-54423-2

Date Collected: 02/11/25 08:44

Matrix: Solid

Date Received: 02/13/25 09:18

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 18:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 18:13	1
Ethylbenzene	0.00201		0.00200	mg/Kg		02/13/25 11:04	02/13/25 18:13	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/13/25 11:04	02/13/25 18:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/13/25 11:04	02/13/25 18:13	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/13/25 11:04	02/13/25 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/13/25 11:04	02/13/25 18:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/13/25 11:04	02/13/25 18:13	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Client Sample ID: BF-2

Lab Sample ID: 880-54423-2

Date Collected: 02/11/25 08:44

Matrix: Solid

Date Received: 02/13/25 09:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/13/25 18:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/14/25 13:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/13/25 20:01	02/14/25 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/13/25 20:01	02/14/25 13:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/13/25 20:01	02/14/25 13:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			02/13/25 20:01	02/14/25 13:05	1
o-Terphenyl (Surr)	67	S1-	70 - 130			02/13/25 20:01	02/14/25 13:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		9.96	mg/Kg			02/14/25 15:10	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-54423-1	BF-1	108	97
880-54423-2	BF-2	96	97
LCS 880-102671/1-A	Lab Control Sample	95	97
LCSD 880-102671/2-A	Lab Control Sample Dup	103	100
MB 880-102671/5-A	Method Blank	96	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-54423-1	BF-1	76	68 S1-
880-54423-2	BF-2	77	67 S1-
LCS 880-102749/2-A	Lab Control Sample	82	84
LCSD 880-102749/3-A	Lab Control Sample Dup	82	85
MB 880-102749/1-A	Method Blank	121	113
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102671/5-A

Matrix: Solid

Analysis Batch: 102674

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102671

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/13/25 08:10	02/13/25 11:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/13/25 08:10	02/13/25 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/13/25 08:10	02/13/25 11:11	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/13/25 08:10	02/13/25 11:11	1

Lab Sample ID: LCS 880-102671/1-A

Matrix: Solid

Analysis Batch: 102674

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09832		mg/Kg		98	70 - 130
Toluene	0.100	0.09665		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1000		mg/Kg		100	70 - 130
m,p-Xylenes	0.200	0.2128		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-102671/2-A

Matrix: Solid

Analysis Batch: 102674

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102671

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1050		mg/Kg		105	70 - 130	7	35
Toluene	0.100	0.09601		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.09999		mg/Kg		100	70 - 130	0	35
m,p-Xylenes	0.200	0.2122		mg/Kg		106	70 - 130	0	35
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-102749/1-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102749

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/13/25 20:01	02/14/25 09:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/13/25 20:01	02/14/25 09:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/13/25 20:01	02/14/25 09:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			02/13/25 20:01	02/14/25 09:06	1
o-Terphenyl (Surr)	113		70 - 130			02/13/25 20:01	02/14/25 09:06	1

Lab Sample ID: LCS 880-102749/2-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102749

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	993.7		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	990.9		mg/Kg		99	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	82		70 - 130				
o-Terphenyl (Surr)	84		70 - 130				

Lab Sample ID: LCSD 880-102749/3-A

Matrix: Solid

Analysis Batch: 102783

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102749

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	837.7		mg/Kg		84	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	1000	836.6		mg/Kg		84	70 - 130	17	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	82		70 - 130						
o-Terphenyl (Surr)	85		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102773/1-A

Matrix: Solid

Analysis Batch: 102791

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			02/14/25 14:11	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102773/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 102791									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	243.6		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-102773/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 102791									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.5		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

GC VOA

Prep Batch: 102671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54423-1	BF-1	Total/NA	Solid	5035	
880-54423-2	BF-2	Total/NA	Solid	5035	
MB 880-102671/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102671/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102671/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 102674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54423-1	BF-1	Total/NA	Solid	8021B	102671
880-54423-2	BF-2	Total/NA	Solid	8021B	102671
MB 880-102671/5-A	Method Blank	Total/NA	Solid	8021B	102671
LCS 880-102671/1-A	Lab Control Sample	Total/NA	Solid	8021B	102671
LCSD 880-102671/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102671

Analysis Batch: 102856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54423-1	BF-1	Total/NA	Solid	Total BTEX	
880-54423-2	BF-2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 102749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54423-1	BF-1	Total/NA	Solid	8015NM Prep	
880-54423-2	BF-2	Total/NA	Solid	8015NM Prep	
MB 880-102749/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102749/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54423-1	BF-1	Total/NA	Solid	8015B NM	102749
880-54423-2	BF-2	Total/NA	Solid	8015B NM	102749
MB 880-102749/1-A	Method Blank	Total/NA	Solid	8015B NM	102749
LCS 880-102749/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102749
LCSD 880-102749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102749

Analysis Batch: 102845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54423-1	BF-1	Total/NA	Solid	8015 NM	
880-54423-2	BF-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54423-1	BF-1	Soluble	Solid	DI Leach	
880-54423-2	BF-2	Soluble	Solid	DI Leach	
MB 880-102773/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102773/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102773/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

HPLC/IC

Analysis Batch: 102791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54423-1	BF-1	Soluble	Solid	300.0	102773
880-54423-2	BF-2	Soluble	Solid	300.0	102773
MB 880-102773/1-A	Method Blank	Soluble	Solid	300.0	102773
LCS 880-102773/2-A	Lab Control Sample	Soluble	Solid	300.0	102773
LCSD 880-102773/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102773

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Client Sample ID: BF-1
Date Collected: 02/11/25 08:39
Date Received: 02/13/25 09:18

Lab Sample ID: 880-54423-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	102671	02/13/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102674	02/13/25 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102856	02/13/25 17:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102845	02/14/25 12:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102749	02/13/25 20:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102783	02/14/25 12:48	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	102773	02/14/25 08:34	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102791	02/14/25 15:03	CH	EET MID

Client Sample ID: BF-2
Date Collected: 02/11/25 08:44
Date Received: 02/13/25 09:18

Lab Sample ID: 880-54423-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	102671	02/13/25 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102674	02/13/25 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102856	02/13/25 18:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102845	02/14/25 13:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	102749	02/13/25 20:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102783	02/14/25 13:05	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102773	02/14/25 08:34	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102791	02/14/25 15:10	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Waterfleet (Select)

Job ID: 880-54423-1
SDG: 25-0100-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54423-1	BF-1	Solid	02/11/25 08:39	02/13/25 09:18
880-54423-2	BF-2	Solid	02/11/25 08:44	02/13/25 09:18

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

- 1
- 2
- 3
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- 5
- 6
- 7
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- 9
- 10
- 11
- 12
- 13
- 14

54423

CHAIN-OF-CUSTODY

No. 3200

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-54423-1

SDG Number: 25-0100-01

Login Number: 54423

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 2/19/2025 2:24:51 PM

JOB DESCRIPTION

WaterFleet
25-0100-01

JOB NUMBER

880-54511-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

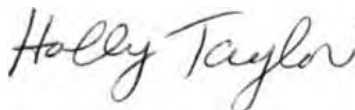
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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2/19/2025 2:24:51 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Laboratory Job ID: 880-54511-1
SDG: 25-0100-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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
SQL	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: Larson & Associates, Inc.
Project: WaterFleet

Job ID: 880-54511-1

Job ID: 880-54511-1

Eurofins Midland

Job Narrative 880-54511-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 2/14/2025 3:52 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 4.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-40 0-4.5' (880-54511-1), C-42 0-4.5' (880-54511-2), C-43 0-4.5' (880-54511-3), C-52 0-4.5' (880-54511-4) and C-53 0-4.5' (880-54511-5).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-102891 and analytical batch 880-102926 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-40 0-4.5' (880-54511-1) and C-42 0-4.5' (880-54511-2). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-52 0-4.5' (880-54511-4), (890-7673-A-1-D), (890-7673-A-1-E MS) and (890-7673-A-1-F MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-53 0-4.5' (880-54511-5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-102943 and analytical batch 880-102924 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-102943 and analytical batch 880-102924 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: C-43 0-4.5' (880-54511-3) and (890-7663-A-1-P). Percent recoveries are based on the amount spiked.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Client Sample ID: C-40 0-4.5'

Lab Sample ID: 880-54511-1

Date Collected: 02/14/25 10:32

Matrix: Solid

Date Received: 02/14/25 15:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/14/25 16:52	02/17/25 16:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/14/25 16:52	02/17/25 16:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/14/25 16:52	02/17/25 16:07	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/14/25 16:52	02/17/25 16:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/14/25 16:52	02/17/25 16:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/14/25 16:52	02/17/25 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/14/25 16:52	02/17/25 16:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/14/25 16:52	02/17/25 16:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/17/25 16:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/17/25 15:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/16/25 20:25	02/17/25 15:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/16/25 20:25	02/17/25 15:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/16/25 20:25	02/17/25 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130	02/16/25 20:25	02/17/25 15:43	1
o-Terphenyl (Surr)	68	S1-	70 - 130	02/16/25 20:25	02/17/25 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92	mg/Kg			02/17/25 18:39	1

Client Sample ID: C-42 0-4.5'

Lab Sample ID: 880-54511-2

Date Collected: 02/14/25 10:43

Matrix: Solid

Date Received: 02/14/25 15:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 16:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 16:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 16:28	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/14/25 16:52	02/17/25 16:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 16:28	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/14/25 16:52	02/17/25 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/14/25 16:52	02/17/25 16:28	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/14/25 16:52	02/17/25 16:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Client Sample ID: C-42 0-4.5'

Lab Sample ID: 880-54511-2

Date Collected: 02/14/25 10:43

Matrix: Solid

Date Received: 02/14/25 15:52

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/17/25 16:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/17/25 15:58	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/16/25 20:25	02/17/25 15:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/16/25 20:25	02/17/25 15:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/16/25 20:25	02/17/25 15:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130			02/16/25 20:25	02/17/25 15:58	1
o-Terphenyl (Surr)	64	S1-	70 - 130			02/16/25 20:25	02/17/25 15:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1	mg/Kg			02/17/25 19:06	1

Client Sample ID: C-43 0-4.5'

Lab Sample ID: 880-54511-3

Date Collected: 02/14/25 11:12

Matrix: Solid

Date Received: 02/14/25 15:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/14/25 16:52	02/17/25 16:48	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/14/25 16:52	02/17/25 16:48	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/14/25 16:52	02/17/25 16:48	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		02/14/25 16:52	02/17/25 16:48	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/14/25 16:52	02/17/25 16:48	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		02/14/25 16:52	02/17/25 16:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			02/14/25 16:52	02/17/25 16:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130			02/14/25 16:52	02/17/25 16:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			02/17/25 16:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			02/17/25 18:27	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *	50.3	mg/Kg		02/17/25 10:53	02/17/25 18:27	1
Diesel Range Organics (Over C10-C28)	<50.3	U *	50.3	mg/Kg		02/17/25 10:53	02/17/25 18:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Client Sample ID: C-43 0-4.5'

Lab Sample ID: 880-54511-3

Date Collected: 02/14/25 11:12

Matrix: Solid

Date Received: 02/14/25 15:52

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		02/17/25 10:53	02/17/25 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	203	S1+	70 - 130			02/17/25 10:53	02/17/25 18:27	1
o-Terphenyl (Surr)	172	S1+	70 - 130			02/17/25 10:53	02/17/25 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			02/17/25 19:16	1

Client Sample ID: C-52 0-4.5'

Lab Sample ID: 880-54511-4

Date Collected: 02/14/25 09:55

Matrix: Solid

Date Received: 02/14/25 15:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 17:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 17:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 17:09	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/14/25 16:52	02/17/25 17:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 17:09	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/14/25 16:52	02/17/25 17:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			02/14/25 16:52	02/17/25 17:09	1
1,4-Difluorobenzene (Surr)	95		70 - 130			02/14/25 16:52	02/17/25 17:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/17/25 17:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/17/25 14:27	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/16/25 20:29	02/17/25 14:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/16/25 20:29	02/17/25 14:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/16/25 20:29	02/17/25 14:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130			02/16/25 20:29	02/17/25 14:27	1
o-Terphenyl (Surr)	63	S1-	70 - 130			02/16/25 20:29	02/17/25 14:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94	mg/Kg			02/17/25 19:25	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Client Sample ID: C-53 0-4.5'

Lab Sample ID: 880-54511-5

Date Collected: 02/14/25 10:01

Matrix: Solid

Date Received: 02/14/25 15:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 17:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 17:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 17:29	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/14/25 16:52	02/17/25 17:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 17:29	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/14/25 16:52	02/17/25 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/14/25 16:52	02/17/25 17:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/14/25 16:52	02/17/25 17:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/17/25 17:29	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			02/17/25 14:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		02/16/25 20:29	02/17/25 14:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		02/16/25 20:29	02/17/25 14:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		02/16/25 20:29	02/17/25 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	142	S1+	70 - 130	02/16/25 20:29	02/17/25 14:42	1
o-Terphenyl (Surr)	121		70 - 130	02/16/25 20:29	02/17/25 14:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		10.0	mg/Kg			02/17/25 19:34	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-54511-1	C-40 0-4.5'	111	93
880-54511-2	C-42 0-4.5'	109	93
880-54511-3	C-43 0-4.5'	114	95
880-54511-4	C-52 0-4.5'	112	95
880-54511-5	C-53 0-4.5'	118	96
LCS 880-102865/1-A	Lab Control Sample	90	103
LCSD 880-102865/2-A	Lab Control Sample Dup	97	102
MB 880-102865/5-A	Method Blank	110	90
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-54511-1	C-40 0-4.5'	78	68 S1-
880-54511-2	C-42 0-4.5'	71	64 S1-
880-54511-3	C-43 0-4.5'	203 S1+	172 S1+
880-54511-4	C-52 0-4.5'	71	63 S1-
880-54511-5	C-53 0-4.5'	142 S1+	121
LCS 880-102891/2-A	Lab Control Sample	97	86
LCS 880-102892/2-A	Lab Control Sample	96	82
LCS 880-102943/2-A	Lab Control Sample	83	76
LCSD 880-102891/3-A	Lab Control Sample Dup	106	95
LCSD 880-102892/3-A	Lab Control Sample Dup	95	80
LCSD 880-102943/3-A	Lab Control Sample Dup	86	72
MB 880-102891/1-A	Method Blank	142 S1+	129
MB 880-102892/1-A	Method Blank	129	117
MB 880-102943/1-A	Method Blank	133 S1+	98
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102865/5-A

Matrix: Solid

Analysis Batch: 102910

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102865

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 11:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 11:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 11:14	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/14/25 16:52	02/17/25 11:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/14/25 16:52	02/17/25 11:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/14/25 16:52	02/17/25 11:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/14/25 16:52	02/17/25 11:14	1
1,4-Difluorobenzene (Surr)	90		70 - 130	02/14/25 16:52	02/17/25 11:14	1

Lab Sample ID: LCS 880-102865/1-A

Matrix: Solid

Analysis Batch: 102910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1058		mg/Kg		106	70 - 130
Toluene	0.100	0.1039		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.09461		mg/Kg		95	70 - 130
m,p-Xylenes	0.200	0.1944		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09769		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-102865/2-A

Matrix: Solid

Analysis Batch: 102910

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102865

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1051		mg/Kg		105	70 - 130	1	35
Toluene	0.100	0.1028		mg/Kg		103	70 - 130	1	35
Ethylbenzene	0.100	0.09376		mg/Kg		94	70 - 130	1	35
m,p-Xylenes	0.200	0.1938		mg/Kg		97	70 - 130	0	35
o-Xylene	0.100	0.09748		mg/Kg		97	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-102891/1-A

Matrix: Solid

Analysis Batch: 102926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102891

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/16/25 20:25	02/17/25 09:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/16/25 20:25	02/17/25 09:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/16/25 20:25	02/17/25 09:20	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	142	S1+	70 - 130			02/16/25 20:25	02/17/25 09:20	1
o-Terphenyl (Surr)	129		70 - 130			02/16/25 20:25	02/17/25 09:20	1

Lab Sample ID: LCS 880-102891/2-A

Matrix: Solid

Analysis Batch: 102926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102891

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1192		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		113	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	97		70 - 130				
o-Terphenyl (Surr)	86		70 - 130				

Lab Sample ID: LCSD 880-102891/3-A

Matrix: Solid

Analysis Batch: 102926

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102891

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1234		mg/Kg		123	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1119		mg/Kg		112	70 - 130	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	106		70 - 130						
o-Terphenyl (Surr)	95		70 - 130						

Lab Sample ID: MB 880-102892/1-A

Matrix: Solid

Analysis Batch: 102928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102892

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/16/25 20:29	02/17/25 09:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/16/25 20:29	02/17/25 09:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/16/25 20:29	02/17/25 09:20	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-102892/1-A

Matrix: Solid

Analysis Batch: 102928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102892

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130	02/16/25 20:29	02/17/25 09:20	1
o-Terphenyl (Surr)	117		70 - 130	02/16/25 20:29	02/17/25 09:20	1

Lab Sample ID: LCS 880-102892/2-A

Matrix: Solid

Analysis Batch: 102928

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102892

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10		1000	1115		mg/Kg		111	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	1098		mg/Kg		110	70 - 130	

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	96		70 - 130			
o-Terphenyl (Surr)	82		70 - 130			

Lab Sample ID: LCSD 880-102892/3-A

Matrix: Solid

Analysis Batch: 102928

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102892

		Spike	LCSD	LCSD				%Rec		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10		1000	1130		mg/Kg		113	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)		1000	1076		mg/Kg		108	70 - 130	2	20	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	95		70 - 130			
o-Terphenyl (Surr)	80		70 - 130			

Lab Sample ID: MB 880-102943/1-A

Matrix: Solid

Analysis Batch: 102924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102943

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/17/25 10:52	02/17/25 09:22	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/17/25 10:52	02/17/25 09:22	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/17/25 10:52	02/17/25 09:22	1	

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130	02/17/25 10:52	02/17/25 09:22	1
o-Terphenyl (Surr)	98		70 - 130	02/17/25 10:52	02/17/25 09:22	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-102943/2-A

Matrix: Solid

Analysis Batch: 102924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	631.9	*-	mg/Kg		63	70 - 130
Diesel Range Organics (Over C10-C28)	1000	592.2	*-	mg/Kg		59	70 - 130
		LCS %Recovery	LCS Qualifier	Limits			
Surrogate							
1-Chlorooctane (Surr)		83		70 - 130			
o-Terphenyl (Surr)		76		70 - 130			

Lab Sample ID: LCSD 880-102943/3-A

Matrix: Solid

Analysis Batch: 102924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102943

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	689.2	*-	mg/Kg		69	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	580.9	*-	mg/Kg		58	70 - 130	2	20
		LCSD %Recovery	LCSD Qualifier	Limits					
Surrogate									
1-Chlorooctane (Surr)		86		70 - 130					
o-Terphenyl (Surr)		72		70 - 130					

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102947/1-A

Matrix: Solid

Analysis Batch: 102961

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			02/17/25 18:11	1

Lab Sample ID: LCS 880-102947/2-A

Matrix: Solid

Analysis Batch: 102961

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-102947/3-A

Matrix: Solid

Analysis Batch: 102961

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.5		mg/Kg		102	90 - 110	0	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-54511-1 MS

Matrix: Solid

Analysis Batch: 102961

Client Sample ID: C-40 0-4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.92	U	248	247.1		mg/Kg		97	90 - 110

Lab Sample ID: 880-54511-1 MSD

Matrix: Solid

Analysis Batch: 102961

Client Sample ID: C-40 0-4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.92	U	248	247.4		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

GC VOA

Prep Batch: 102865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-1	C-40 0-4.5'	Total/NA	Solid	5035	
880-54511-2	C-42 0-4.5'	Total/NA	Solid	5035	
880-54511-3	C-43 0-4.5'	Total/NA	Solid	5035	
880-54511-4	C-52 0-4.5'	Total/NA	Solid	5035	
880-54511-5	C-53 0-4.5'	Total/NA	Solid	5035	
MB 880-102865/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102865/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102865/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 102910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-1	C-40 0-4.5'	Total/NA	Solid	8021B	102865
880-54511-2	C-42 0-4.5'	Total/NA	Solid	8021B	102865
880-54511-3	C-43 0-4.5'	Total/NA	Solid	8021B	102865
880-54511-4	C-52 0-4.5'	Total/NA	Solid	8021B	102865
880-54511-5	C-53 0-4.5'	Total/NA	Solid	8021B	102865
MB 880-102865/5-A	Method Blank	Total/NA	Solid	8021B	102865
LCS 880-102865/1-A	Lab Control Sample	Total/NA	Solid	8021B	102865
LCSD 880-102865/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102865

Analysis Batch: 103100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-1	C-40 0-4.5'	Total/NA	Solid	Total BTEX	
880-54511-2	C-42 0-4.5'	Total/NA	Solid	Total BTEX	
880-54511-3	C-43 0-4.5'	Total/NA	Solid	Total BTEX	
880-54511-4	C-52 0-4.5'	Total/NA	Solid	Total BTEX	
880-54511-5	C-53 0-4.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 102891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-1	C-40 0-4.5'	Total/NA	Solid	8015NM Prep	
880-54511-2	C-42 0-4.5'	Total/NA	Solid	8015NM Prep	
MB 880-102891/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102891/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102891/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 102892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-4	C-52 0-4.5'	Total/NA	Solid	8015NM Prep	
880-54511-5	C-53 0-4.5'	Total/NA	Solid	8015NM Prep	
MB 880-102892/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102892/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102892/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-3	C-43 0-4.5'	Total/NA	Solid	8015B NM	102943
MB 880-102943/1-A	Method Blank	Total/NA	Solid	8015B NM	102943
LCS 880-102943/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102943

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

GC Semi VOA (Continued)

Analysis Batch: 102924 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-102943/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102943

Analysis Batch: 102926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-1	C-40 0-4.5'	Total/NA	Solid	8015B NM	102891
880-54511-2	C-42 0-4.5'	Total/NA	Solid	8015B NM	102891
MB 880-102891/1-A	Method Blank	Total/NA	Solid	8015B NM	102891
LCS 880-102891/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102891
LCSD 880-102891/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102891

Analysis Batch: 102928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-4	C-52 0-4.5'	Total/NA	Solid	8015B NM	102892
880-54511-5	C-53 0-4.5'	Total/NA	Solid	8015B NM	102892
MB 880-102892/1-A	Method Blank	Total/NA	Solid	8015B NM	102892
LCS 880-102892/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102892
LCSD 880-102892/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102892

Prep Batch: 102943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-3	C-43 0-4.5'	Total/NA	Solid	8015NM Prep	
MB 880-102943/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102943/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102943/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-1	C-40 0-4.5'	Total/NA	Solid	8015 NM	
880-54511-2	C-42 0-4.5'	Total/NA	Solid	8015 NM	
880-54511-3	C-43 0-4.5'	Total/NA	Solid	8015 NM	
880-54511-4	C-52 0-4.5'	Total/NA	Solid	8015 NM	
880-54511-5	C-53 0-4.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-1	C-40 0-4.5'	Soluble	Solid	DI Leach	
880-54511-2	C-42 0-4.5'	Soluble	Solid	DI Leach	
880-54511-3	C-43 0-4.5'	Soluble	Solid	DI Leach	
880-54511-4	C-52 0-4.5'	Soluble	Solid	DI Leach	
880-54511-5	C-53 0-4.5'	Soluble	Solid	DI Leach	
MB 880-102947/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102947/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102947/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54511-1 MS	C-40 0-4.5'	Soluble	Solid	DI Leach	
880-54511-1 MSD	C-40 0-4.5'	Soluble	Solid	DI Leach	

Analysis Batch: 102961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-1	C-40 0-4.5'	Soluble	Solid	300.0	102947

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

HPLC/IC (Continued)

Analysis Batch: 102961 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54511-2	C-42 0-4.5'	Soluble	Solid	300.0	102947
880-54511-3	C-43 0-4.5'	Soluble	Solid	300.0	102947
880-54511-4	C-52 0-4.5'	Soluble	Solid	300.0	102947
880-54511-5	C-53 0-4.5'	Soluble	Solid	300.0	102947
MB 880-102947/1-A	Method Blank	Soluble	Solid	300.0	102947
LCS 880-102947/2-A	Lab Control Sample	Soluble	Solid	300.0	102947
LCSD 880-102947/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102947
880-54511-1 MS	C-40 0-4.5'	Soluble	Solid	300.0	102947
880-54511-1 MSD	C-40 0-4.5'	Soluble	Solid	300.0	102947

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Client Sample ID: C-40 0-4.5'**Lab Sample ID: 880-54511-1****Date Collected: 02/14/25 10:32****Matrix: Solid****Date Received: 02/14/25 15:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	102865	02/14/25 16:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102910	02/17/25 16:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103100	02/17/25 16:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103059	02/17/25 15:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102891	02/16/25 20:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102926	02/17/25 15:43	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102947	02/17/25 11:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102961	02/17/25 18:39	SMC	EET MID

Client Sample ID: C-42 0-4.5'**Lab Sample ID: 880-54511-2****Date Collected: 02/14/25 10:43****Matrix: Solid****Date Received: 02/14/25 15:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	102865	02/14/25 16:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102910	02/17/25 16:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103100	02/17/25 16:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103059	02/17/25 15:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102891	02/16/25 20:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102926	02/17/25 15:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102947	02/17/25 11:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102961	02/17/25 19:06	SMC	EET MID

Client Sample ID: C-43 0-4.5'**Lab Sample ID: 880-54511-3****Date Collected: 02/14/25 11:12****Matrix: Solid****Date Received: 02/14/25 15:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	102865	02/14/25 16:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102910	02/17/25 16:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103100	02/17/25 16:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103059	02/17/25 18:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	102943	02/17/25 10:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102924	02/17/25 18:27	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	102947	02/17/25 11:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102961	02/17/25 19:16	SMC	EET MID

Client Sample ID: C-52 0-4.5'**Lab Sample ID: 880-54511-4****Date Collected: 02/14/25 09:55****Matrix: Solid****Date Received: 02/14/25 15:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	102865	02/14/25 16:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102910	02/17/25 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103100	02/17/25 17:09	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Client Sample ID: C-52 0-4.5'
Date Collected: 02/14/25 09:55
Date Received: 02/14/25 15:52

Lab Sample ID: 880-54511-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			103059	02/17/25 14:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102892	02/16/25 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102928	02/17/25 14:27	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102947	02/17/25 11:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102961	02/17/25 19:25	SMC	EET MID

Client Sample ID: C-53 0-4.5'
Date Collected: 02/14/25 10:01
Date Received: 02/14/25 15:52

Lab Sample ID: 880-54511-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102865	02/14/25 16:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102910	02/17/25 17:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			103100	02/17/25 17:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103059	02/17/25 14:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102892	02/16/25 20:29	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102928	02/17/25 14:42	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	102947	02/17/25 11:33	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102961	02/17/25 19:34	SMC	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: WaterFleet

Job ID: 880-54511-1
SDG: 25-0100-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54511-1	C-40 0-4.5'	Solid	02/14/25 10:32	02/14/25 15:52
880-54511-2	C-42 0-4.5'	Solid	02/14/25 10:43	02/14/25 15:52
880-54511-3	C-43 0-4.5'	Solid	02/14/25 11:12	02/14/25 15:52
880-54511-4	C-52 0-4.5'	Solid	02/14/25 09:55	02/14/25 15:52
880-54511-5	C-53 0-4.5'	Solid	02/14/25 10:01	02/14/25 15:52

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-54511-1

SDG Number: 25-0100-01

Login Number: 54511

List Number: 1

Creator: Lee, Randell

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Appendix E

NMOCD Communications

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 421748

QUESTIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 421748
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421258466
Incident Name	NAPP2421258466 WATERFLEET @ 0
Incident Type	Produced Water Release
Incident Status	Notification Accepted

Location of Release Source	
Site Name	WATERFLEET
Date Release Discovered	06/04/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	6,738
What is the estimated number of samples that will be gathered	56
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/20/2025
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Indy 432-313-1921
Please provide any information necessary for navigation to sampling site	32.38413, -103.69880

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 421748

CONDITIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 421748
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
timsanbricker	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/16/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 431132

QUESTIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 431132
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421258466
Incident Name	NAPP2421258466 WATERFLEET @ 0
Incident Type	Produced Water Release
Incident Status	Notification Accepted

Location of Release Source	
Site Name	WATERFLEET
Date Release Discovered	06/04/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,800
What is the estimated number of samples that will be gathered	9
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/14/2025
Time sampling will commence	09:45 AM
Please provide any information necessary for observers to contact samplers	Indy 432-313-1921
Please provide any information necessary for navigation to sampling site	32.38413, -103.69880

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 431132

CONDITIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 431132
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
timsanbricker	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/12/2025

Appendix F

Photographic Documentation

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing northeast.



Excavated Area #4 on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing east.



Excavated Area #4 on the pad, viewing northeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing west.



Excavated Area #4 on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #3 on the pad, viewing south.



Excavated Area #3 on the pad, viewing west.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #3 on the pad, viewing southwest.



Excavated Area #3 on the pad, viewing west.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #3 on the pad, viewing southeast.



Excavated Area #3 on the pad, viewing east.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #3 on the pad, viewing northeast.



Excavated Area #3 on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #2 on the pad, viewing southwest.



Excavated Area #2 on the pad, viewing south.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #2 on the pad, viewing southeast.



Excavated Area #2 on the pad, viewing northeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #2 on the pad, viewing north.



Excavated Area #2 on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #1 on the pad, viewing south.

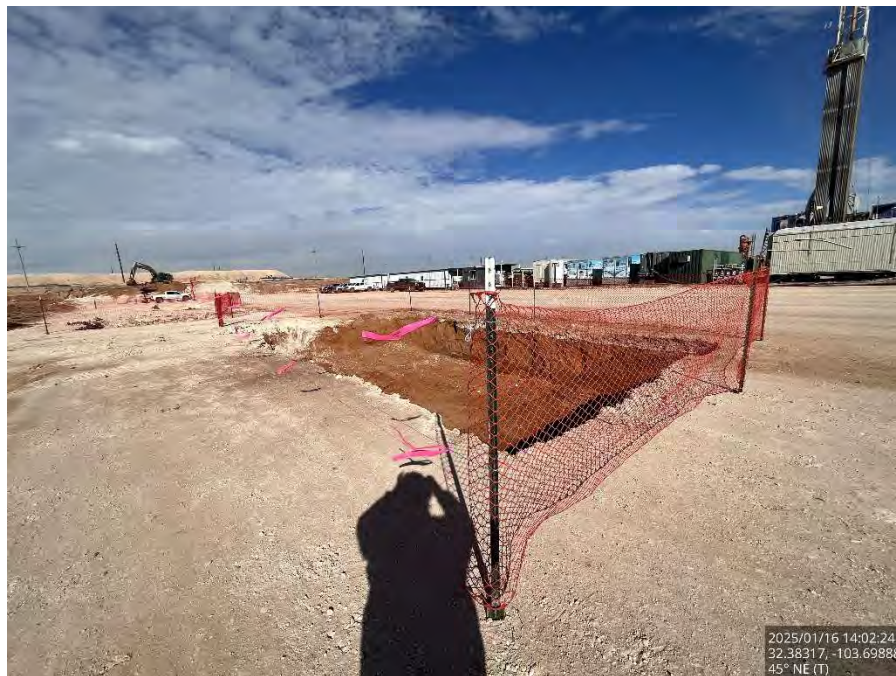


Excavated Area #1 on the pad, viewing southeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #1 on the pad, viewing east.



Excavated Area #1 on the pad, viewing northeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #1 on the pad, viewing north.



Excavated Area #1 on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #1 on the pad, viewing west.



Excavated Area #4 on the pad, viewing southeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing northeast.



Excavated Area #4 on the pad, viewing east.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing south.



Excavated Area #4 on the pad, viewing northeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing north.



Excavated Area #4 on the pad, viewing southeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing south.



Excavated Area #4 on the pad, viewing southwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing west.



Excavated Area #4 on the pad, viewing southwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing northwest.



Excavated Area #4 on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing southwest.



Excavated Area #4 on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing north.



Excavated Area #4 on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing southwest.



Excavated Area #4 on the pad, viewing southwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing southeast.



Excavated Area #4 on the pad, viewing northeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing east.



Excavated Area #4 on the pad, viewing south.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #4 on the pad, viewing northeast.



Excavated Area #4 on the pad, viewing east.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #3 on the pad, viewing south.



Excavated Area #3 on the pad, viewing northeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #3 on the pad, viewing north.



Excavated Area #3 on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #3 on the pad, viewing southwest.



Excavated Area #3 on the pad, viewing west.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #3 on the pad, viewing south.



Excavated Area #2 on the pad, viewing south.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #2 on the pad, viewing southeast.



Excavated Area #2 on the pad, viewing north.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Excavated Area #2 on the pad, viewing west.



Excavated Area #2 on the pad, viewing south.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled Area on the pad, viewing southeast.



Backfilled area on the pad, viewing east.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing west.



Backfilled area on the pad, viewing south.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing southwest.



Backfilled area on the pad, viewing north.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing east.



Backfilled area on the pad, viewing south.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterflood Remediation
Produced Water Release



Backfilled area on the pad, viewing southwest.



Backfilled area on the pad, viewing northwest.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing southeast.



Backfilled area on the pad, viewing northeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing southeast.



Backfilled area on the pad, viewing south.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing east.



Backfilled area on the pad, viewing northeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing northwest.



Backfilled area on the pad, viewing north.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing south.



Backfilled area on the pad, viewing southeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing north.

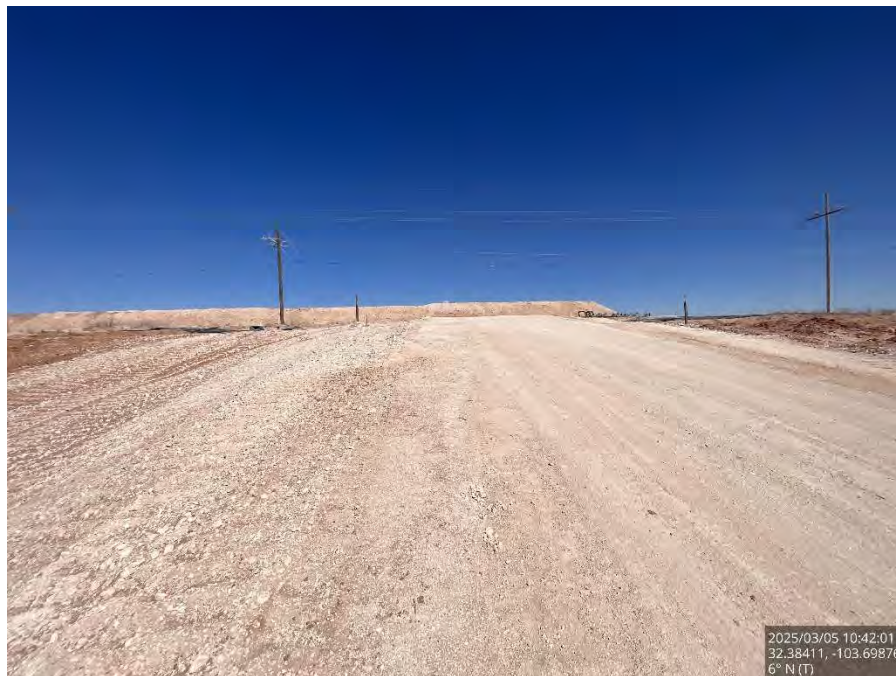


Backfilled area on the pad, viewing west.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing northwest.

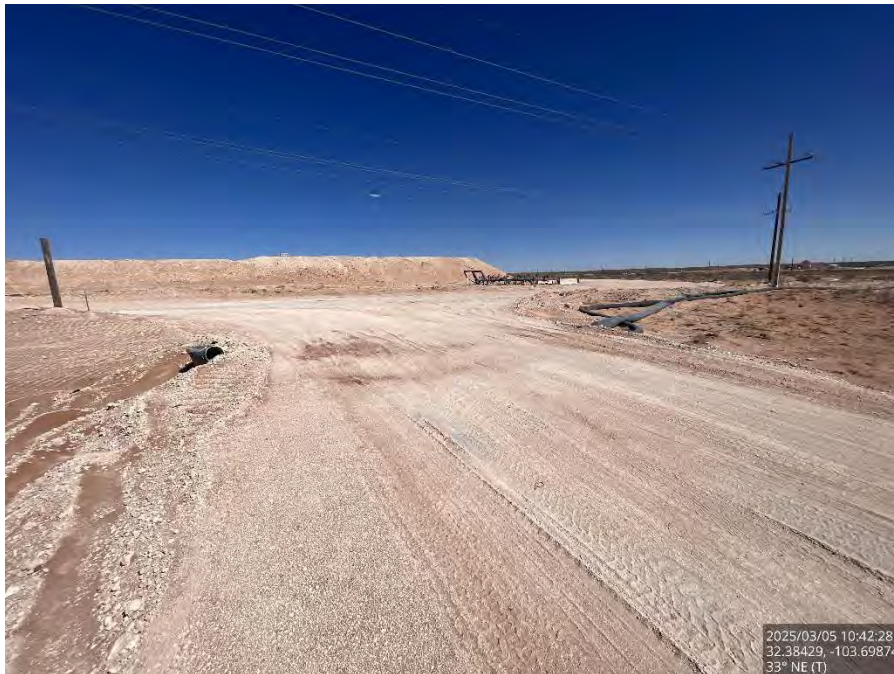


Backfilled area on the pad, viewing north.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing southwest.



Backfilled area on the pad, viewing northeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing northwest.



Backfilled area on the pad, viewing south.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing east.



Backfilled area on the pad, viewing southeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing northeast.



Backfilled area on the pad, viewing southeast.

Incident ID: nAPP2421258466
Remediation and Closure Report
Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing south.



Backfilled area on the pad, viewing southeast.

Incident ID: nAPP2421258466
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Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing east.



Backfilled area on the pad, viewing southeast.

Incident ID: nAPP2421258466
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Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing east.



Backfilled area on the pad, viewing north.

Incident ID: nAPP2421258466
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Waterfleet Remediation
Produced Water Release



Backfilled area on the pad, viewing southeast.



Backfilled area on the pad, viewing south.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 453967

QUESTIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 453967
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421258466
Incident Name	NAPP2421258466 WATERFLEET @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	WATERFLEET
Date Release Discovered	06/04/2024
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 116 BBL Recovered: 10 BBL Lost: 106 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Third party company struck line and admitted fault, Select tried to get third party to report and take responsibility but third party has been unwilling, causing delay in reporting.

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QUESTIONS, Page 2

Action 453967

QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Timsan Bricker Title: ENV Coordinator Email: tbricker@selectwater.com Date: 04/21/2025
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QUESTIONS, Page 3

Action 453967

QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 453967
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	8060
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	50
GRO+DRO (EPA SW-846 Method 8015M)	50
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	01/16/2025
On what date will (or did) the final sampling or liner inspection occur	02/14/2025
On what date will (or was) the remediation complete(d)	02/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	7100
What is the estimated volume (in cubic yards) that will be reclaimed	1696
What is the estimated surface area (in square feet) that will be remediated	7100
What is the estimated volume (in cubic yards) that will be remediated	1696

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 453967

QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 453967
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Timsan Bricker Title: ENV Coordinator Email: tbricker@selectwater.com Date: 04/21/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 453967

QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 453967

QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 453967
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	431132
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/14/2025
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	1800

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	7100
What was the total volume (cubic yards) remediated	1696
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	7100
What was the total volume (in cubic yards) reclaimed	1696
Summarize any additional remediation activities not included by answers (above)	All areas not reasonably needed for production were reseeded and contoured for erosion control.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Timsan Bricker Title: ENV Coordinator Email: tbricker@selectwater.com Date: 04/21/2025
--	---

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Action 453967

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 453967

CONDITIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
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CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	4/24/2025
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	4/24/2025