

Tracking Number: nOY1804328649
Closure Report
Salado Draw WE 24 Fed P23 #002H
Crude Oil and Produced Water Release
Lea County, New Mexico

Latitude: N 32.021624°
Longitude: W -103.632825°

LAI Project No. 21-0100-07

May 8, 2024

Prepared for:
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1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this remediation and closure report on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I for a crude oil and produced water release at the Salado Draw WE 24 P23 #002H (Site). The Site is located in Unit M (SW/4, SW/4), Section 24, Township 26 South, Range 32 East in Lea County, New Mexico. The geodetic position is North 32.021624° and West -103.632825°. Figure 1 presents a topographic map. Figure 2 presents an aerial map showing the spill area and soil sample locations.

1.1 Background

The release was discovered on January 26, 2018, and occurred due to a mechanical failure of the choke body on the wellhead. Chevron reported that 9.15 barrels (bbls) of crude oil and 13.72 bbls of produced water were released and that 4 bbls of oil and 6 bbls of produced water were recovered. The release covered an area of about 17,688 square feet and occurred on the pad. No adjacent off-site areas were impacted by the release. The initial C-141 was submitted to NMOCD District I on February 12, 2018, and subsequently assigned incident number nOY1804328649. Appendix A presents the initial C-141 and spill calculation.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,135 feet above mean sea level (msl).
- The surface elevation gradually decreases to the southwest.
- The nearest continuously flowing water course is located 20.5 miles to the southwest.
- The nearest lakebed, sinkhole, or playa lake is located 0.84 miles to the southwest.
- The nearest wetland is located 0.84 miles to the southwest.
- The nearest subsurface mine is located 27.3 miles to the northwest.
- The Site is not located in a 100-year floodplain.
- There nearest freshwater well for stock watering purposes is 2.9 miles to the northwest.
- USGS karst occurrence potential data designates the area as medium risk.
- The soils are designated as Pyote and Maljamar fine sands, where the Pyote setting consists of 0 to 30 inches of fine sand and 30 to 60 inches of fine sandy loam; and the Maljamar setting consists of 0 to 24 inches of fine sand, 24 to 50 inches of sandy clay loam, and 50 to 60 inches of cemented material (caliche).
- The geology is described as Holocene to middle Pleistocene aged eolian and piedmont deposits consisting of interlayered eolian sands and piedmont-slope deposits.
- Groundwater occurs greater than 101.5 feet below ground surface (bgs) based on a dry groundwater boring (SB-1) drilled on April 14, 2020, 0.23 miles northwest of the Site, and gauged 72-hours after completion.

Figure 3 presents an aerial map showing soil boring location. Appendix B presents the karst risk potential map. Appendix C presents the soil boring log.

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1.3 Remediation Standards

The following remediation standards are based on closure criteria for soils impacted by a release where groundwater is greater than 100 feet bgs, as presented in Table 1 of 19.15.29 NMAC:

Parameter	Limit
Benzene	10 mg/Kg
BTEX	50 mg/Kg
TPH	2,500 mg/Kg
Chloride	20,000 mg/Kg

Further, 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.

2.0 DELINEATION

The release was fully delineated between March 24, 2021, and August 25, 2021. A delineation report and remediation plan titled, *Tracking Number: nOY1804328649, Delineation Report and Remediation Plan, Salado Draw WE 24 P23 #002H, Produced Water Release, Lea County, New Mexico, December 16, 2021*, was submitted to the NMOCD, and recommended the following remedial actions:

- Excavate soil from an area measuring approximately 4,231 square feet encompassing S-4, S-7, and S-11 to 1-foot bgs.
- Excavate soil from an area measuring approximately 2,515 square feet encompassing S-6 and S-13 to 1.5 feet bgs.
- Excavate soil from an area measuring approximately 4,483 square feet encompassing S-3 and S-8 to 2 feet bgs.
- Excavate soil from an area measuring approximately 6,459 square feet encompassing S-2, S-5, and S-10 to 4.1 feet bgs.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride by EPA Methods 8021B, 8015M and 300.0, respectively.
- Collect approximately seven (7) composite samples of backfill material (caliche) and analyze for BTEX, TPH and chloride.
- Backfill excavation with clean caliche assuming achievement of NMOCD remediation levels.
- Prepare report with photographs for submittal to NMOCD District 1.

The NMOCD approved the remediation plan on October 5, 2022. Table 1 presents the delineation soil sample analytical data summary. Figure 4 presents the proposed excavation map. Appendix D presents NMOCD communications.

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3.0 REMEDIATION

Between July 19, 2023, and January 29, 2024, Warrior Technologies, LLC (Warrior) and SDR Enterprises (SDR) under the guidance of LAI, excavated about 1,653 cubic yards of impacted soil from an area of about 17,223 square feet, using hydro-excavation (Warrior) and mechanical excavation (SDR) methods. Excavated material was stored in vacuum boxes, or on a plastic liner adjacent to the excavation, prior to being transported and disposed of at the Milestone Environment Services – Orla facility, in Reeves County, Texas.

LAI personnel collected a total of 121 confirmation soil samples, including 109 initial confirmation samples, and twelve (12) final confirmation samples from areas where additional excavation occurred due to laboratory analysis indicating that a TPH and/or chloride was above the NMOCD closure criteria described in Table 1 of 19.15.29 NMAC. Each composite sample was collected in a five-point pattern and represents an area of approximately 200 square feet. All samples were transported under chain-of-custody and preservation to Eurofins-Xenco (Xenco) in Midland, Texas, and analyzed for BTEX by EPA SW-846 Method 8021B; TPH, including gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (MRO) by EPA SW-846 Method 8015M; and chloride by EPA Method 300.

Between July 19 and 25, 2023, LAI personnel collected 89 samples (C-1 through C-89) from the sidewalls and bottom of the excavation. Xenco analyzed the samples and reported that benzene and BTEX were below NMOCD closure in all samples. TPH and/or chloride, was reported above closure criteria in the following samples:

Sample ID	Depth (feet)	TPH (mg/Kg)	Chloride (mg/Kg)
C-1	0 - 4.1	--	920
C-2	0 - 4.1	870	1,200
C-3	0 - 4.1	156	2,150
C-4	0 - 4.1	172	2,380
C-5	0 - 4.1	149	1,770
C-64	1	689	969
C-67	1	--	1,210
C-68	1	117	725
C-70	1	122	--
C-75	1	--	1,610

On December 7, 2023, LAI Personnel collected 20 samples (C-90 through C-109) from the sidewalls and bottom of the excavation. Xenco 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 samples C-91 (951 mg/Kg), C-92 (661 mg/Kg), C-94 (703 mg/Kg), C-95 (737 mg/Kg), C-96 (1,340 mg/Kg), C-97 (1,480 mg/Kg), and C-101 (661 mg/Kg).

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On January 29, 2024, LAI personnel collected twelve (12) samples from areas where additional excavation occurred due to TPH and/or chloride being reported above closure criteria. The resampled areas included, C-64, C-67, C-68, C-70, C-75, C-91, C-92, C-94, C-95, C-96, C-97, and C-101. Xenco analyzed the samples and reported that all samples were below closure criteria for benzene, BTEX, TPH, and chloride. Sampling notification was submitted to the NMOCD on January 24, 2024.

Laboratory analysis demonstrates that benzene, BTEX, TPH, and chloride, are below NMOCD closure criteria outlined in Table 1 of 19.15.29 NMAC in all confirmation soil samples, apart from sample areas where a deferral is requested. Table 2 presents the confirmation soil sample analytical summary. Figure 5 presents an aerial map with excavation boundaries and confirmation soil sample locations. Appendix D presents NMOCD communications. Appendix E presents the laboratory reports.

Between February 22 and 28, 2024, SDR backfilled the excavation with about 1,653 cubic yards of non-waste containing backfill material from the Battle Axe Ranch borrow pit in Lea County, New Mexico. The surface of the pad was compacted and graded to resemble surface conditions prior to the start of the remediation.

On May 6, 2024, LAI personnel collected five (5) backfill samples from the excavation. Xenco analyzed the samples and reported that benzene, BTEX, and TPH were below the analytical method reporting limit. Chloride concentrations ranged between 22.5 mg/Kg (BF-4) and 25.8 mg/Kg (BF-2). Table 2 presents the backfill soil sample analytical summary. Appendix E presents the laboratory reports. Appendix F presents the photographic documentation.

4.0 DEFERRAL REQUEST

Chevron requests a deferral for five sample locations (C-1 through C-5), that bound three (3) well heads and several flowlines at the Site. The deferral area is about 655 square feet and contains approximately 97 cubic yards of soil. These areas do not pose an imminent risk to human health or the environment and would require major facility deconstruction to remediate. Figure 5 presents an aerial image with the deferral areas.

Tables

Table 1
Soil Sample Analytical Data Summary
Salado Draw WE 24 Fed P23
Lea County, New Mexico
North 32° 01' 17.85", West 103° 37' 58.17"

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50	100/2,500				600/20,000
S-1	0.5	3/24/2021	In-Situ	<0.00199	0.00209	<49.9	<49.9	<49.9	<49.9	203
	1	8/24/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	250
	3	8/24/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	267
	5	8/24/2021	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	136
	10	8/24/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	17.8
S-2	0.5	3/24/2021	In-Situ	<0.00199	<0.00199	<49.9	218	<49.9	218	1,210
	1	8/24/2021	In-Situ	<0.00200	<0.00401	<49.8	1,240	<49.8	1,240	317
	3	8/24/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	2,780
	5	8/24/2021	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	1,090
	10	8/24/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	35.2
S-3	0.5	3/24/2021	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	921
	1	8/24/2021	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	1,540
	3	8/24/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	24.4
	5	8/24/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	13.8
	10	8/24/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	18.7
S-4	0.5	3/24/2021	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	621
	1	8/24/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	329
	3	8/24/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	6.94
	5	8/24/2021	In-Situ	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	13.0
	10	8/24/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	10.1
S-5	0.5	3/24/2021	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	366

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North 32° 01' 17.85", West 103° 37' 58.17"

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50				100/2,500	600/20,000
	1	8/24/2021	In-Situ	<0.00200	<0.00399	<50.0	1,730	<50.0	1,730	317
	3	8/24/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	1,290
	5	8/24/2021	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	1,290
	8	8/24/2021	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	410
S-6	0.5	3/24/2021	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	137
	1	8/25/2021	In-Situ	<0.00201	<0.00402	<50.0	909	<50.0	909	136
	3	8/25/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	365
	5	8/25/2021	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	248
	10	8/25/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	52.5
S-7	0.5	3/24/2021	In-Situ	<0.00198	<0.00198	<49.9	134	<49.9	134	783
	1	8/25/2021	In-Situ	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	315
	3	8/25/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	12.6
	5	8/25/2021	In-Situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	10.5
	8	8/25/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	11.8
S-8	0.5	3/24/2021	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	6,370
	1	8/25/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	1,340
	3	8/25/2021	In-Situ	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	23.0
	5	8/25/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	12.1
	10	8/25/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	19.7
S-9	0.5	3/24/2021	In-Situ	<0.00199	<0.00199	<49.7	<49.7	<49.7	<49.7	187
	1	8/25/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	108

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Soil Sample Analytical Data Summary
Salado Draw WE 24 Fed P23
Lea County, New Mexico
North 32° 01' 17.85", West 103° 37' 58.17"

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50	100/2,500				600/20,000
	3	8/25/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	35.9
	5	8/25/2021	In-Situ	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	9.17
	10	8/25/2021	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	12.7
S-10	0.5	3/24/2021	In-Situ	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	334
	1	8/25/2021	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	127
	3	8/25/2021	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	847
	5	8/25/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	563
	10	8/25/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	26.2
S-11	0.5	3/24/2021	In-Situ	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	1,080
	1	8/25/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	348
	3	8/25/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	13.0
	5	8/25/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	14.9
	7	8/25/2021	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	14.7
S-12	0.5	3/24/2021	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	232
	1	8/25/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	209
	3	8/25/2021	In-Situ	<0.002020	<0.00403	<49.8	<49.8	<49.8	<49.8	15.8
	5	8/25/2021	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	13.9
	10	8/25/2021	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	15.0
S-13	1	8/25/2021	In-Situ	<0.00200	<0.00399	<50.0	1,820	<50.0	1,820	104
	3	8/25/2021	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	68.3

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C10 (mg/Kg)	C10 - C28 (mg/Kg)	C28 - C36 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Remediation Level:				10	50	100/2,500				600/20,000
	5	8/25/2021	In-Situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	29.3
	8	8/25/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	12.3
S-14	1	8/25/2021	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	39.2
	3	8/25/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	12.7
	5	8/25/2021	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	10.8
	8	8/25/2021	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	9.71
S-15	1	8/25/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	95.0
	3	8/25/2021	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	13.1
	5	8/25/2021	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	11.3
	10	8/25/2021	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	11.0
S-16	0.5	10/28/2021	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<4.99
	1	10/28/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<5.01

Notes:

Analysis performed by Eurofins-Xenco (Xenco), in Midland, Texas, by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and EPA Method 300 mg/Kg: milligrams per kilogram; equivalent to parts per million (ppm)

<: indicates that analyte concentration is less than the analytical method reporting limit.

Depth in feet below ground surface (bgs)

Bold and highlighted indicates that parameter concentration is above NMOCD delineation limits.

Table 2

Confirmation Soil Sample Analytical Data Summary
Salado Draw WE 24 Fed P23
Lea County, New Mexico
32°01'17.85"N, 103°37'58.17"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				100/2,500	600/20,000
C-1	Sidewall	0 - 4.1	07/19/2023	In-Situ	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	920
C-2	Sidewall	0 - 4.1	07/19/2023	In-Situ	<0.00202	0.01280	<50.3	870	<50.3	870	1,200
C-3	Sidewall	0 - 4.1	07/19/2023	In-Situ	<0.00201	<0.00402	<50.3	156	<50.3	156	2,150
C-4	Sidewall	0 - 4.1	07/19/2023	In-Situ	<0.00200	<0.00401	<50.5	172	<50.5	172	2,380
C-5	Sidewall	0 - 4.1	07/19/2023	In-Situ	<0.00199	<0.00398	<49.8	149	<49.8	149	1,770
C-6	Sidewall	0 - 4.1	07/19/2023	In-Situ	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	261
C-7	Bottom	4.1	07/19/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	571
C-8	Bottom	4.1	07/19/2023	In-Situ	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	3,360
C-9	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00399	<49.6	126	<49.6	126	5,340
C-10	Bottom	4.1	07/19/2023	In-Situ	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	5,470
C-11	Bottom	4.1	07/19/2023	In-Situ	<0.00201	<0.00402	<50.1	277	<50.1	277	5,430
C-12	Bottom	4.1	07/19/2023	In-Situ	<0.00202	<0.00404	<50.2	779	<50.2	779	5,700
C-13	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00400	<50.4	326	<50.4	326	6,140
C-14	Bottom	4.1	07/19/2023	In-Situ	<0.00199	<0.00398	<49.9	117	<49.9	117	2,630
C-15	Bottom	4.1	07/19/2023	In-Situ	<0.00202	<0.00403	<49.8	478	<49.8	478	1,150
C-16	Bottom	4.1	07/19/2023	In-Situ	<0.00199	<0.00398	<50.1	66.9	<50.1	66.9	626
C-17	Bottom	4.1	07/19/2023	In-Situ	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	155
C-18	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00401	<50.0	56.5	<50.0	56.5	2,180
C-19	Bottom	4.1	07/19/2023	In-Situ	<0.00199	<0.00398	<50.0	60.2	<50.0	60.2	3,230
C-20	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00400	<50.0	75.0	<50.0	75.0	472
C-21	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00399	<50.2	144	<50.2	144	598
C-22	Bottom	4.1	07/19/2023	In-Situ	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3	307
C-23	Bottom	4.1	07/19/2023	In-Situ	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	124
C-24	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00401	<49.8	85.1	<49.8	85.1	552
C-25	Bottom	4.1	07/19/2023	In-Situ	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	172
C-26	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	160
C-27	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00400	<50.1	89.8	<50.1	89.8	425
C-28	Bottom	4.1	07/19/2023	In-Situ	<0.00198	<0.00397	<49.8	52.8	<49.8	52.8	268
C-29	Bottom	4.1	07/19/2023	In-Situ	<0.00201	<0.00402	<49.6	60.0	<49.6	60.0	177
C-30	Bottom	4.1	07/19/2023	In-Situ	<0.00202	<0.00403	<50.5	64.6	<50.5	64.6	139

Table 2
Confirmation Soil Sample Analytical Data Summary
Salado Draw WE 24 Fed P23
Lea County, New Mexico
32°01'17.85"N, 103°37'58.17"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				100/2,500	600/20,000
C-31	Bottom	4.1	07/19/2023	In-Situ	<0.00198	<0.00396	<50.4	58.3	<50.4	58.3	213
C-32	Bottom	4.1	07/19/2023	In-Situ	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	73.2
C-33	Bottom	4.1	07/19/2023	In-Situ	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	150
C-34	Bottom	4.1	07/19/2023	In-Situ	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	349
C-35	Bottom	4.1	07/19/2023	In-Situ	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	144
C-36	Bottom	4.1	07/19/2023	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	324
C-37	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	262
C-38	Bottom	4.1	07/19/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	443
C-39	Bottom	4.1	07/19/2023	In-Situ	<0.00202	<0.00404	<50.3	<50.3	<50.3	<50.3	444
C-40	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	619
C-41	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00400	<50.3	<50.3	<50.3	<50.3	250
C-42	Bottom	4.1	07/19/2023	In-Situ	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	119
C-43	Bottom	4.1	07/19/2023	In-Situ	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	65.5
C-44	Sidewall	0 - 4.1	07/20/2023	In-Situ	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2	152
C-45	Sidewall	0 - 4.1	07/20/2023	In-Situ	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	471
C-46	Sidewall	0 - 4.1	07/20/2023	In-Situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	270
C-47	Sidewall	0 - 4.1	07/20/2023	In-Situ	<0.00196	<0.00397	<49.6	<49.6	<49.6	<49.6	174
C-48	Sidewall	0 - 4.1	07/20/2023	In-Situ	<0.00202	<0.00403	<50.5	<50.5	<50.5	<50.5	132
C-49	Bottom	1.5	07/21/2023	In-Situ	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	174
C-50	Bottom	1.5	07/21/2023	In-Situ	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	86.7
C-51	Bottom	1.5	07/21/2023	In-Situ	<0.00202	<0.00404	<50.5	<50.5	<50.5	<50.5	99.1
C-52	Bottom	1.5	07/21/2023	In-Situ	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	99.9
C-53	Bottom	1.5	07/21/2023	In-Situ	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	219
C-54	Bottom	1.5	07/21/2023	In-Situ	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	121
C-55	Bottom	1.5	07/21/2023	In-Situ	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	160
C-56	Sidewall	0 - 1.5	07/21/2023	In-Situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	104
C-57	Sidewall	0 - 1.5	07/21/2023	In-Situ	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	298
C-58	Bottom	2	07/21/2023	In-Situ	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	421
C-59	Bottom	2	07/21/2023	In-Situ	<0.00202	<0.00404	<50.4	<50.4	<50.4	<50.4	154
C-60	Bottom	2	07/21/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	120

Table 2

Confirmation Soil Sample Analytical Data Summary
Salado Draw WE 24 Fed P23
Lea County, New Mexico
32°01'17.85"N, 103°37'58.17"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				100/2,500	600/20,000
C-61	Bottom	2	07/21/2023	In-Situ	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	146
C-62	Bottom	2	07/21/2023	In-Situ	<0.00196	<0.00396	<50.5	<50.5	<50.5	<50.5	70.7
C-63	Sidewall	0 - 2	07/21/2023	In-Situ	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	166
C-64	Bottom	1	07/25/2023	Excavated	<0.00202	<0.00404	<50.4	689	<50.4	689	969
C-64	Bottom	4.1	01/29/2024	In-Situ	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2	205
C-65	Bottom	1	07/25/2023	In-Situ	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	489
C-66	Bottom	1	07/25/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	72.4
C-67	Bottom	1	07/25/2023	Excavated	<0.00198	<0.00397	<49.8	89.0	<49.8	89.0	1,210
C-67	Bottom	4.1	01/29/2024	In-Situ	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	622
C-68	Bottom	1	07/25/2023	Excavated	<0.00202	<0.00403	<50.4	117	<50.4	117	725
C-68	Bottom	4.1	01/29/2024	In-Situ	<0.00202	<0.00404	<50.4	<50.4	<50.4	<50.4	212
C-69	Bottom	1	07/25/2023	In-Situ	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	310
C-70	Bottom	1	07/25/2023	Excavated	<0.00200	<0.00401	<50.1	122	<50.1	122	534
C-70	Bottom	4.1	01/29/2024	In-Situ	<0.00198	<0.00397	<49.6	<49.6	<49.6	<49.6	206
C-71	Bottom	1	07/25/2023	In-Situ	<0.00200	<0.00399	<49.7	89.7	<49.7	89.7	576
C-72	Bottom	1	07/25/2023	In-Situ	<0.00198	<0.00397	<50.0	54.5	<50.0	54.5	343
C-73	Bottom	1	07/25/2023	In-Situ	<0.00201	<0.00402	<50.3	64.9	<50.3	64.9	171
C-74	Bottom	1	07/25/2023	In-Situ	<0.00200	<0.00401	<50.4	62.5	<50.4	62.5	133
C-75	Bottom	1	07/25/2023	Excavated	<0.00200	<0.00399	<49.7	51.0	<49.7	51.0	1,610
C-75	Bottom	4.1	01/29/2024	In-Situ	<0.00200	<0.00400	<50.5	<50.5	<50.5	<50.5	189
C-76	Bottom	1	07/25/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	204
C-77	Bottom	1	07/25/2023	In-Situ	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	144
C-78	Bottom	1	07/25/2023	In-Situ	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	136
C-79	Bottom	1	07/25/2023	In-Situ	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	136
C-80	Bottom	1	07/25/2023	In-Situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	145
C-81	Bottom	1	07/25/2023	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	111
C-82	Bottom	1	07/25/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	121
C-83	Bottom	1	07/25/2023	In-Situ	<0.00202	0.02470	<49.8	<49.8	<49.8	<49.8	132
C-84	Bottom	1	07/25/2023	In-Situ	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	186
C-85	Bottom	1	07/25/2023	In-Situ	<0.00202	<0.00403	<50.2	<50.2	<50.2	<50.2	448

Table 2

Confirmation Soil Sample Analytical Data Summary
Salado Draw WE 24 Fed P23
Lea County, New Mexico
32°01'17.85"N, 103°37'58.17"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				100/2,500	600/20,000
C-86	Bottom	1	07/25/2023	In-Situ	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	170
C-87	Bottom	1	07/25/2023	In-Situ	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	212
C-88	Sidewall	0 - 1	07/25/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	147
C-89	Sidewall	0 - 1	07/25/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	444
C-90	Bottom	1	12/07/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	111
C-91	Bottom	1	12/07/2023	Excavated	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	951
C-91	Bottom	4.1	01/29/2024	In-Situ	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	886
C-92	Bottom	2	12/07/2023	Excavated	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	661
C-92	Bottom	4.1	01/29/2024	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	155
C-93	Bottom	2	12/07/2023	In-Situ	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	324
C-94	Bottom	2	12/07/2023	Excavated	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	703
C-94	Bottom	4.1	01/29/2024	In-Situ	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	198
C-95	Bottom	2	12/07/2023	Excavated	<0.00198	<0.00396	<49.9	85.4	<49.9	85.4	737
C-95	Bottom	4.1	01/29/2024	In-Situ	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	171
C-96	Bottom	2	12/07/2023	Excavated	<0.00199	<0.00398	<49.9	51.3	<49.9	51.3	1,340
C-96	Bottom	4.1	01/29/2024	In-Situ	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	421
C-97	Bottom	2	12/07/2023	Excavated	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	1,480
C-97	Bottom	4.1	01/29/2024	In-Situ	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	285
C-98	Bottom	2	12/07/2023	In-Situ	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	279
C-99	Bottom	2	12/07/2023	In-Situ	<0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2	275
C-100	Bottom	2	12/07/2023	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	545
C-101	Bottom	2	12/07/2023	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	661
C-101	Bottom	4.1	01/29/2024	In-Situ	<0.00200	<0.00400	<50.4	83.2	<50.4	83.2	360
C-102	Bottom	2	12/07/2023	In-Situ	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	333
C-103	Bottom	2	12/07/2023	In-Situ	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	29.5
C-104	Bottom	2	12/07/2023	In-Situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	295
C-105	Bottom	2	12/07/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	226
C-106	Bottom	2	12/07/2023	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	305
C-107	Bottom	2	12/07/2023	In-Situ	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	20.4
C-108	Sidewall	0 - 2	12/07/2023	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	342

Table 2
Confirmation Soil Sample Analytical Data Summary
Salado Draw WE 24 Fed P23
Lea County, New Mexico
32°01'17.85"N, 103°37'58.17"W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				100/2,500	600/20,000
C-109	Sidewall	0 - 2	12/07/2023	In-Situ	<0.00202	<0.00403	<50.2	<50.2	<50.2	<50.2	30.9
Backfill Samples											
BF-1	--	--	05/06/2024	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	25.4
BF-2	--	--	05/06/2024	In-Situ	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	25.8
BF-3	--	--	05/06/2024	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	22.8
BF-4	--	--	05/06/2024	In-Situ	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	22.5
BF-5	--	--	05/06/2024	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	23.6

Notes:
Analysis performed by Eurofins-Xenco (Xenco), 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)
<: indicates that parameter concentration is below method analytical reporting limit
Depth reported in feet below ground surface (bgs)
Bold and highlighted indicates parameter concentration is above NMOCD closure criteria
Bold and highlighted indicates confirmation sample areas where a deferral is being requested

Figures

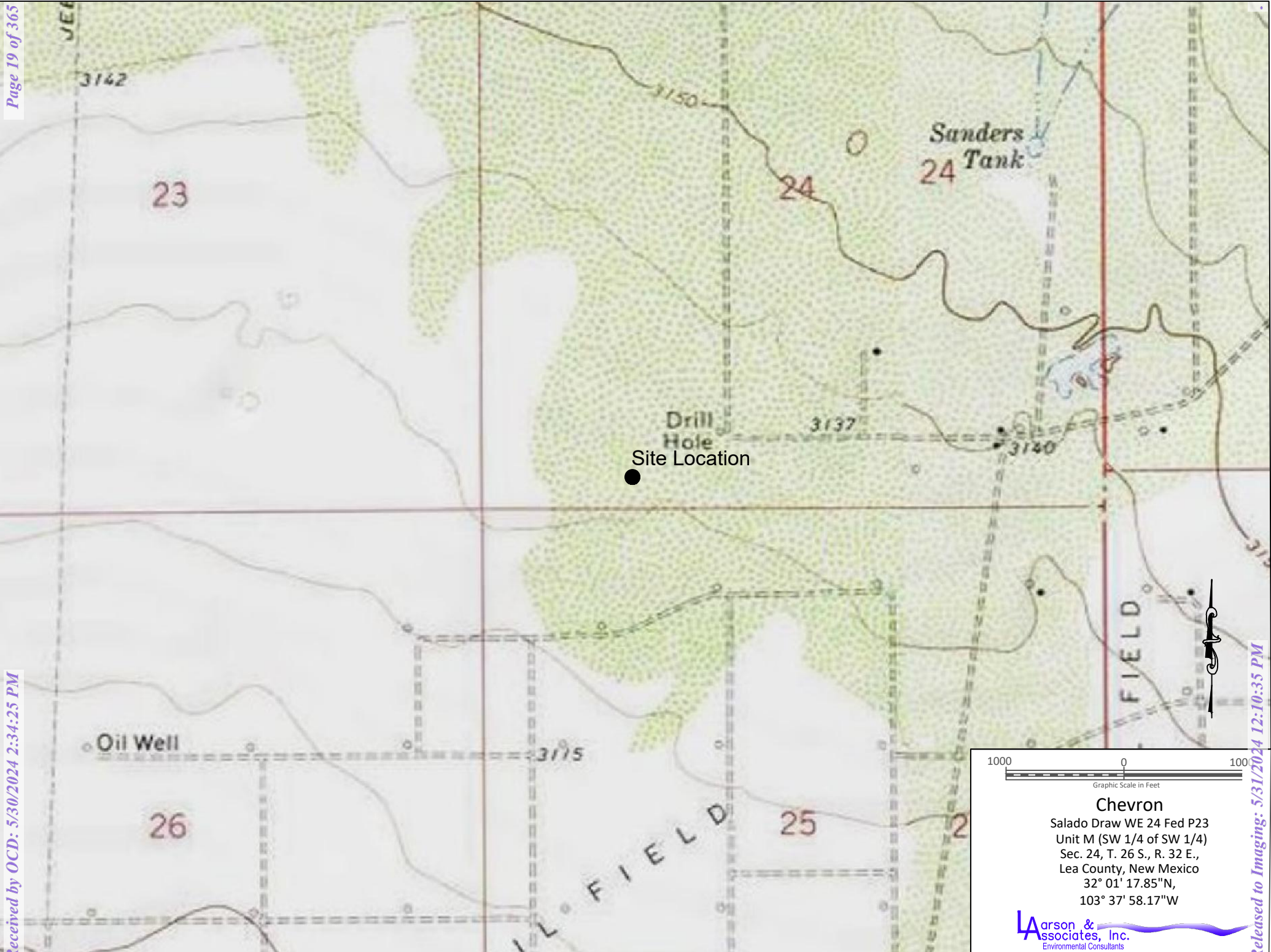
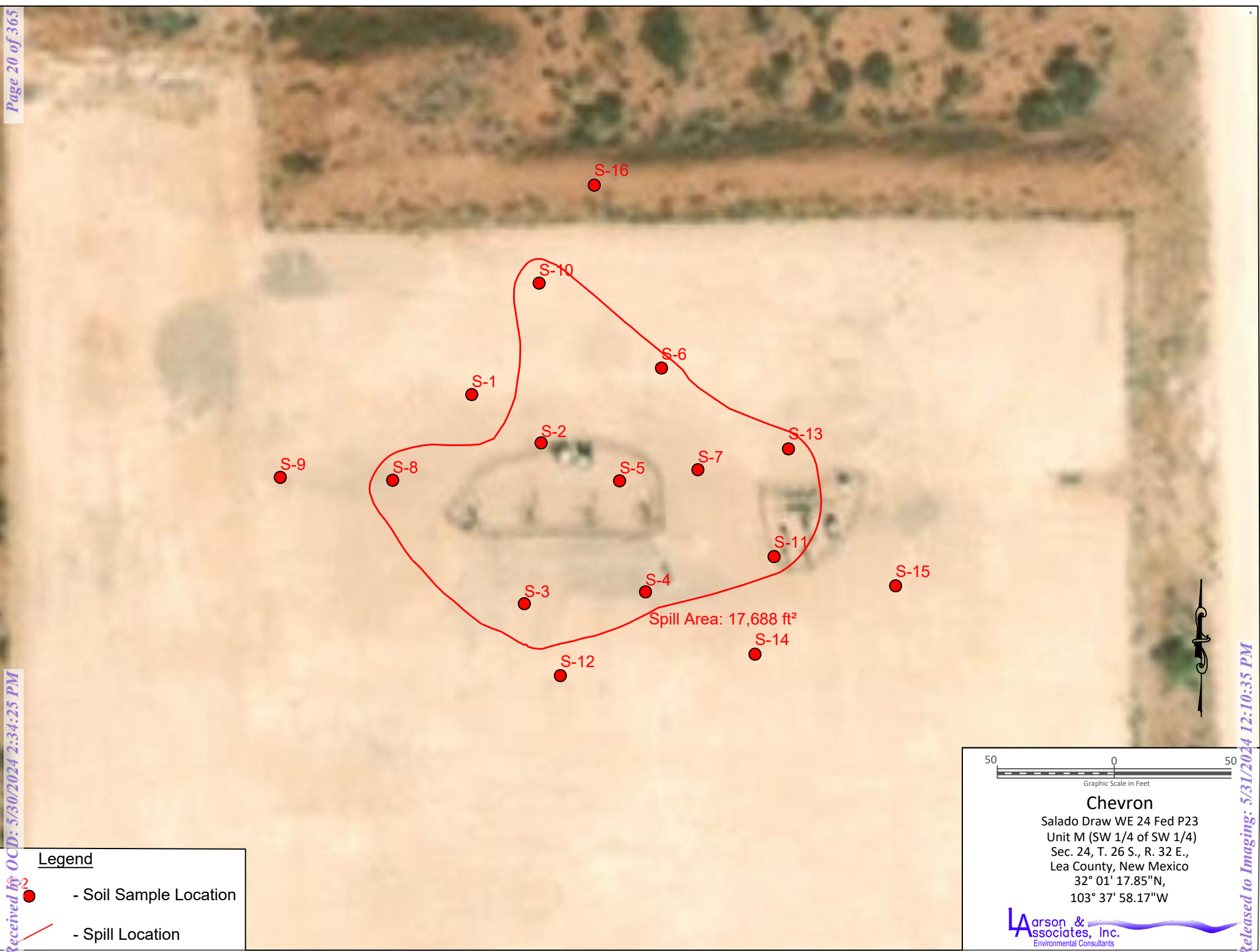


Figure 1 - Topographic Map



Legend

- 2 - Soil Sample Location
- Spill Location

Figure 2 - Aerial Map



Legend

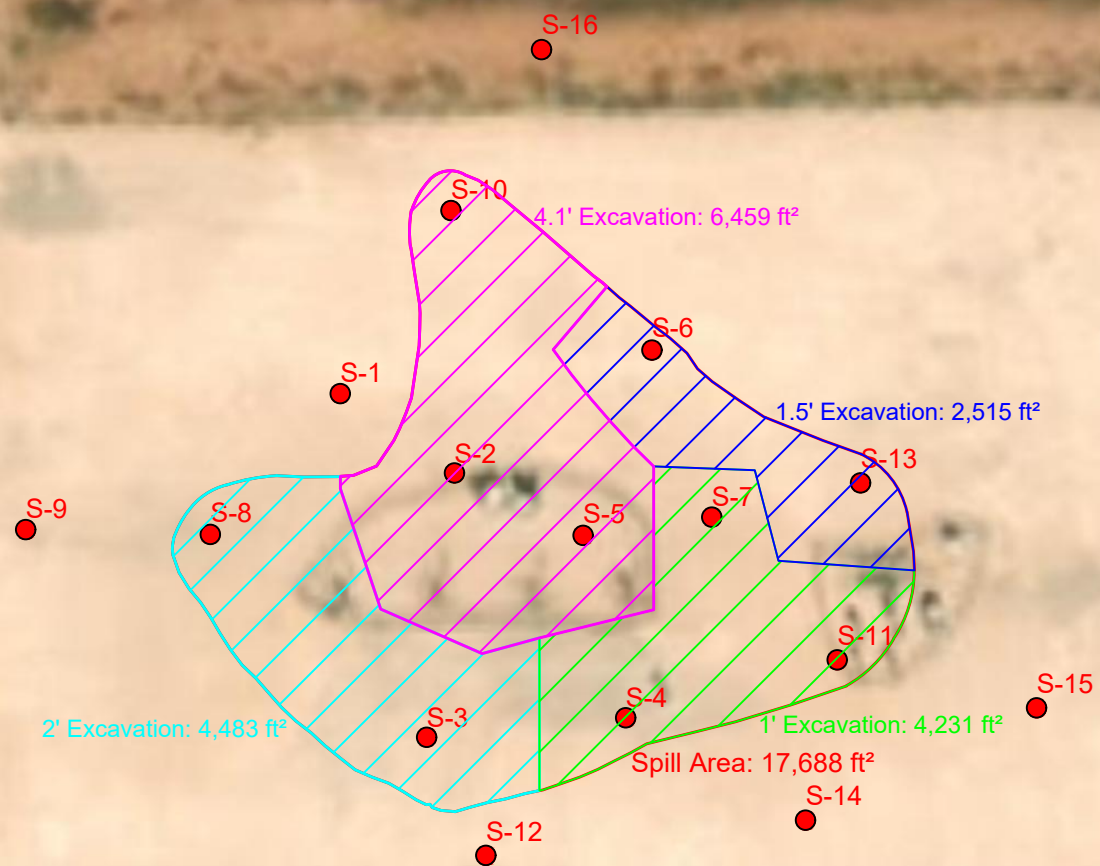
- Soil Boring Location

50 0 50
Graphic Scale in Feet

Chevron
Salado Draw WE 24 Fed P23
Unit M (SW 1/4 of SW 1/4)
Sec. 24, T. 26 S., R. 32 E.,
Lea County, New Mexico
32° 01' 17.85"N,
103° 37' 58.17"W

Larson & Associates, Inc.
Environmental Consultants

Figure 3 - Aerial Map Showing Soil Boring Location



Legend

- - Soil Sample Location
- - Spill Location
- ▨ - Proposed Excavation: 1'
- ▨ - Proposed Excavation: 1.5'
- ▨ - Proposed Excavation: 2'
- ▨ - Proposed Excavation: 4'

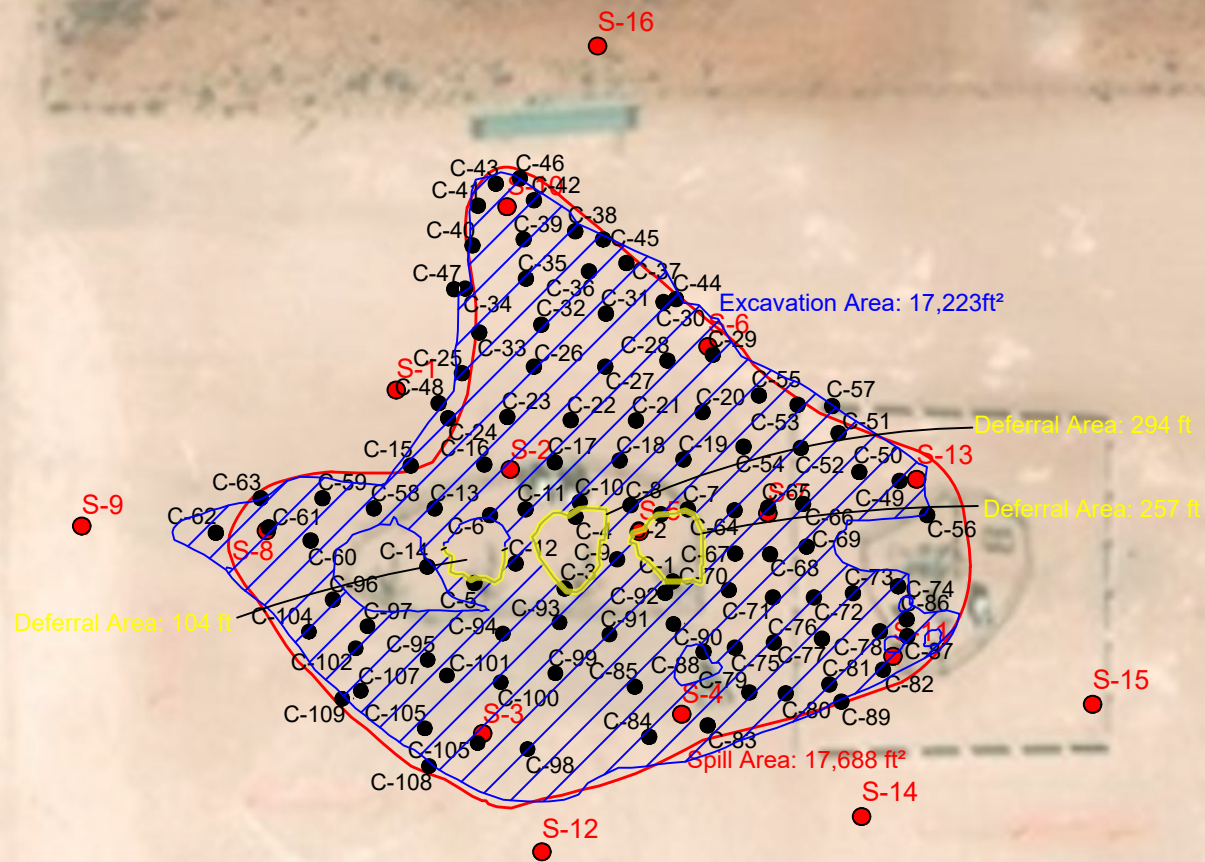


Chevron

Salado Draw WE 24 Fed P23
Unit M (SW 1/4 of SW 1/4)
Sec. 24, T. 26 S., R. 32 E.,
Lea County, New Mexico
32° 01' 17.85"N,
103° 37' 58.17"W

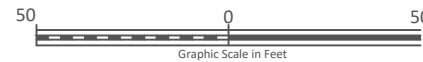
Larson & Associates, Inc.
Environmental Consultants

Figure 4 - Aerial Map Showing Proposed Excavation Locations



Legend

- - Soil Sample Location
- - Spill Location
- - Confirmation Sample Location
- Excavation Area
- Deferral Area Location



Chevron

Salado Draw WE 24 Fed P23
Unit M (SW 1/4 of SW 1/4)
Sec. 24, T. 26 S., R. 32 E.,
Lea County, New Mexico
32° 01' 17.85"N,
103° 37' 58.17"W

Larson & Associates, Inc.
Environmental Consultants

Figure 5 - Aerial Map Showing Excavation Area, Confirmation Sample Locations, and Deferral Areas

Appendix A

Initial C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Chevron USA Inc.	Contact Josepha DeLeon
Address 6301 Deauville Blvd., Midland, TX 79706	Telephone No. 575-263-0424 Cell – 432-425-1528
Facility Name Salado Draw WE 24 Federal P23 #002H	Facility Type Oil Well

Surface Owner	Federal	Mineral Owner Federal	API No. 30-025-43296
---------------	----------------	--------------------------	-------------------------

LOCATION OF RELEASE

Unit Letter M	Section 24	Township 26S	Range 32E	Feet from the 260	North/South Line South	Feet from the 1308	East/West Line West	County Lea
------------------	---------------	-----------------	--------------	----------------------	---------------------------	-----------------------	------------------------	---------------

Latitude 32.021624 Longitude -103.632825 NADA83

NATURE OF RELEASE

Type of Release Spill	Volume of Release: 9.15 barrels oil 13.72 barrels produced water	Volume Recovered: 4 barrels oil; 6 barrels produced water
Source of Release: Choke body	Date and Hour of Occurrence: 1/26/2018; 07:30 AM	Date and Hour of Discovery 1/26/2018; 07:30 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Olivia Yu; Maxey Brown – NMOCD Shelly Tucker; Jim Amos - BLM	
By Whom? Josepha DeLeon	Date and Hour: 1/26/2018 4:59 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

RECEIVED

By Olivia Yu at 7:48 am, Feb 12, 2018

Describe Cause of Problem and Remedial Action Taken.*

Mechanical failure of choke body. Shut in lease.

Describe Area Affected and Cleanup Action Taken.*

Spill to well pad. The area outside well pad is not affected. Vacuum truck recovered 4 barrels of oil and 6 barrels of produced water. Remediation work plan to follow.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

		OIL CONSERVATION DIVISION	
Signature:		Approved by Environmental Specialist: 	
Printed Name: Josepha DeLeon			
Title: HES Compliance Support - Environmental		Approval Date: 2/12/2018	Expiration Date:
E-mail Address: jdxdc@chevron.com		Conditions of Approval: see attached directive	Attached ☒
Date: 2/7/2018 Phone: 575-263-0424			

* Attach Additional Sheets If Necessary

1RP-4962

nOY1804328649

pOY1804328951

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 2/7/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-4962 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 3/12/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

From: DeLeon, Josepha
To: [Bratcher, Mike, EMNRD](#); [Yu, Olivia, EMNRD](#); [Shelly Tucker](#); [Weaver, Crystal, EMNRD](#); jamos@blm.gov
Subject: Spill today
Date: Friday, January 26, 2018 4:59:01 PM

Mike / Olivia. Please accept this as immediate notification of spill at Salado Draw 24-2. Note this is a federal lease, therefore not sure if it belongs to Mike or Olivia.

Date/time of Spill: 1/26/2018. Time: [7:30am](#)

Group: Delaware Basin

Location: Carlsbad

State / County: NM, LEA COUNTY

API Number or Permit Number (closest well): SD WE 24 FED P23 2H –

API#[30025432960001](#)

GPS: 32.0215, -103.63236

Incident: Spill

Type of secondary containment, if applicable: none – well pad (all liquid remained on pad), unlined. No fluid off well pad

Material spilled: oil & water

Volume: 22.9 total fluid – 9.15bbl oil & 13.72bbl produced water, based on most recent well test oil/water cut

Volume Recovered: TBD – in progress; vacuum truck having mechanical issues – additional resources deployed

Description: Mechanical failure of choke body; choke is part of rental kit (along with temporary piping and sand separator) that remains after flowback to prohibit sand from entering facility. Failure believed to be due sand erosion, but to be confirmed.

At this time, the recovered volume is still progressing. Will follow up with you once we have values and send C141

Sent from my iPhone

Appendix B

Karst Risk Potential

Medium

Appendix C

Soil Boring Log

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 10:35 MDT Finish: 15:15 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS		
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING	
					2	4	6	8	10	12	14	16	18							
	0	Silty Sand, 5YR 5/4, Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted, Dry	ML																	
	5															1			5	
	7	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted, Dry																	7	
	10																		10	
	15		Caliche																15	
	20																		20	
	25															2			25	
	25	Silty Sand, 5YR 5/4, Reddish Brown, Fine Grained Quartz Sand with Caliche Clasts (~10mm), Poorly Sorted	ML																	
	30															3			30	
	30	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted with Subangular Clasts (~10mm)	Caliche																	
	35																		35	
	40															4			39	
	40	Silty Sand, 5YR 6/4, Light Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted with Subangular Caliche Clasts (~10mm)																	40	
	45																		45	
	50		ML																50	
	55																		55	
	60																		60	

	ONE CONTINUOUS AUGER SAMPLER		WATER TABLE (TIME OF BORING)	JOB NUMBER : <u>Chevron/ 19-0180-01</u>
	STANDARD PENETRATION TEST		LABORATORY TEST LOCATION	HOLE DIAMETER : <u>2"</u>
	UNDISTURBED SAMPLE		PENETROMETER (TONS/ SQ. FT)	LOCATION : <u>Salado Draw 24 CTB</u>
	WATER TABLE (24 HRS)		NR NO RECOVERY	LOCATION : <u>32.0250583° , -103.6342389°</u>
				LAI GEOLOGIST : <u>E. Chavez</u>
				DRILLING CONTRACTOR : <u>Scarborough</u>
DRILL DATE : <u>04-14-2020</u>				DRILLING METHOD : <u>Air Rotary</u>
BORING NUMBER : <u>SB-01</u>				

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 10:35 MDT Finish: 15:15 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS	
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING
					2	4	6	8	10	12	14	16	18	SOIL : _____ PPM					
	65	Silty Sand, 5YR 5/6, Yellowish Red, Very Fine Grained, Poorly Sorted with Subangular Caliche and Black Chert Clasts (~0.5mm)	ML												5			66	
																		70	
																		75	
																		80	
																		85	
	90	Silty Sand, 5YR 4/6, Yellowish Red, Fine Grained, Poorly Sorted with Subangular Caliche (~2mm)	ML															90	
																		95	
																		100	
																		101.5	
																		105	
	105	TD:101.5' Dry After 72 Hours													6				

ONE CONTINUOUS AUGER SAMPLER	WATER TABLE (TIME OF BORING)	JOB NUMBER : <u>Chevron/ 19-0180-01</u>
STANDARD PENETRATION TEST	LABORATORY TEST LOCATION	HOLE DIAMETER : <u>2"</u>
UNDISTURBED SAMPLE	PENETROMETER (TONS/ SQ. FT)	LOCATION : <u>Salado Draw 24 CTB</u> <u>32.0250583°, -103.6342389°</u>
WATER TABLE (24 HRS)	NO RECOVERY	LAI GEOLOGIST : <u>E. Chavez</u>
		DRILLING CONTRACTOR : <u>Scarborough</u>
DRILL DATE : <u>04-14-2020</u>		DRILLING METHOD : <u>Air Rotary</u>
BORING NUMBER : <u>SB-01</u>		

Appendix D

NMOCD Communications

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID:	69858	Districts:	Hobbs
Operator:	[4323] CHEVRON U S A INC	Counties:	Lea
Description:	CHEVRON U S A INC [4323] , SALADO DRAW WE 24 FEDERAL P23 #002H , nOY1804328649		
Status:	APPROVED		
Status Date:	10/05/2022		
References (2):	30-025-43296, nOY1804328649		

Forms

Attachments: [C-141, Water Sources, Scaled Site Map, Field Data, Soil Contaminant, Water Depth, Boring Logs, Photographs, Topo Aerial Maps, Lab Data, Proposed Technique, Estimated Volume, Closure Criteria, Proposed Schedule](#)

Questions

This submission type does not have questions, at this time.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *bhall (10/5/2022)*, Please complete remediation and submit a complete closure report by 01/06/2023 per 1915.29.12 E(1) NMAC.

Reasons

No reasons found for this submission.

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	307489	Districts:	Hobbs
Operator:	[4323] CHEVRON U S A INC	Counties:	Lea
Description:	CHEVRON U S A INC [4323] , SALADO DRAW WE 24 FEDERAL P23 #002H , nOY1804328649		
Status:	APPROVED		
Status Date:	01/24/2024		
References (2):	30-025-43296, nOY1804328649		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nOY1804328649
Incident Name	NOY1804328649 SALADO DRAW WE 24 FEDERAL P23 #002H @ 30-025-43296
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-43296] SD WE 24 FEDERAL P23 #002H

Location of Release Source

Site Name	SALADO DRAW WE 24 FEDERAL P23 #002H
Date Release Discovered	01/26/2018
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	1,200
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/26/2024
Time sampling will commence	10:00 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	Sampler: Dan (432) 664-5357
Please provide any information necessary for navigation to sampling site	32.020833, -103.632500

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: csmith1 (1/24/2024), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29 accepted.

Reasons

No reasons found for this submission.

Appendix E

Laboratory Reports



Environment Testing

1

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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 8/11/2023 1:37:47 PM Revision 1

JOB DESCRIPTION

SD 24 Fed P23
SDG NUMBER 21-0100-07

JOB NUMBER

880-31008-1

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
8/11/2023 1:37:47 PM
Revision 1

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Laboratory Job ID: 880-31008-1
SDG: 21-0100-07

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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.
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/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Job ID: 880-31008-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-31008-1**

Revision

The report being provided is a revision of the original report sent on 8/7/2023. The report (revision 1) is being revised to correct the project number per Robert Nelson (email).

Receipt

The samples were received on 7/20/2023 9:45 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 was -15.3° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-1 0-4.1' (880-31008-1), C-2 0-4.1' (880-31008-2), C-3 0-4.1' (880-31008-3), C-4 0-4.1' (880-31008-4), C-5 0-4.1' (880-31008-5), C-6 0-4.1' (880-31008-6), C-7, 4.1' (880-31008-7), C-8, 4.1' (880-31008-8), C-9, 4.1' (880-31008-9), C-10, 4.1' (880-31008-10), C-11, 4.1' (880-31008-11), C-12, 4.1' (880-31008-12), C-13, 4.1' (880-31008-13), C-14, 4.1' (880-31008-14), C-15, 4.1' (880-31008-15), C-16, 4.1' (880-31008-16), C-17, 4.1' (880-31008-17), C-18, 4.1' (880-31008-18), C-19, 4.1' (880-31008-19), C-20, 4.1' (880-31008-20), C-21, 4.1' (880-31008-21), C-22, 4.1' (880-31008-22), C-23, 4.1' (880-31008-23), C-24, 4.1' (880-31008-24), C-25, 4.1' (880-31008-25), C-26, 4.1' (880-31008-26), C-27, 4.1' (880-31008-27), C-28, 4.1' (880-31008-28), C-29, 4.1' (880-31008-29), C-30, 4.1' (880-31008-30), C-31, 4.1' (880-31008-31), C-32, 4.1' (880-31008-32), C-33, 4.1' (880-31008-33), C-34, 4.1' (880-31008-34), C-35, 4.1' (880-31008-35), C-36, 4.1' (880-31008-36), C-37, 4.1' (880-31008-37), C-38, 4.1' (880-31008-38), C-39, 4.1' (880-31008-39), C-40, 4.1' (880-31008-40), C-41, 4.1' (880-31008-41), C-42, 4.1' (880-31008-42) and C-43, 4.1' (880-31008-43).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58625 recovered below the lower control limit for m,p-Xylenes and o-Xylene. Another CCV was acceptable within a 12 hour window ; therefore, the data have been reported. The associated sample is impacted: (CCV 880-58625/33).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58625 recovered below the lower control limit for benzene. Another CCV was acceptable within a 12 hour window ; therefore, the data have been reported. The associated sample is impacted: (CCV 880-58625/51).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-58692 recovered above the upper control limit for o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-58692/82).

Method 8021B: The CCV was biased low for ethylbenzene. There was an acceptable bracketing CCV within 12 hours; therefore, the data was qualified and reported. (CCV 880-58691/64)

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

GC Semi VOA

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: C-24, 4.1' (880-31008-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-59167 recovered below the lower control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-59167/5).

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-59162/58) and (CCV 880-59162/72). Evidence of matrix interferences is not obvious.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-58928 and analytical batch 880-59162 was outside the upper control limits.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Job ID: 880-31008-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: C-4 0-4.1' (880-31008-4), C-5 0-4.1' (880-31008-5), C-8, 4.1' (880-31008-8) and (880-31008-A-1-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-58928 and analytical batch 880-59162 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: C-10, 4.1' (880-31008-10), C-12, 4.1' (880-31008-12), C-13, 4.1' (880-31008-13) and C-14, 4.1' (880-31008-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-59080 and analytical batch 880-59289 was outside the upper control limits.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-59289/20) and (CCV 880-59289/5). 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.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-58218 and 880-58218 and analytical batch 880-58289 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 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-58214 and analytical batch 880-58388 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.

Organic Prep

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

VOA Prep

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-1 0-4.1'

Lab Sample ID: 880-31008-1

Date Collected: 07/19/23 10:15

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 11:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 11:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 11:49	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/27/23 14:04	07/29/23 11:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 11:49	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/27/23 14:04	07/29/23 11:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	07/27/23 14:04	07/29/23 11:49	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/27/23 14:04	07/29/23 11:49	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			07/31/23 10:36	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			08/04/23 12:20	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		07/31/23 16:14	08/04/23 05:57	1
Diesel Range Organics (Over C10-C28)	<50.3	U F1	50.3	mg/Kg		07/31/23 16:14	08/04/23 05:57	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/31/23 16:14	08/04/23 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130	07/31/23 16:14	08/04/23 05:57	1
o-Terphenyl (Surr)	96		70 - 130	07/31/23 16:14	08/04/23 05:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	920	F1	4.99	mg/Kg			07/24/23 17:01	1

Client Sample ID: C-2 0-4.1'

Lab Sample ID: 880-31008-2

Date Collected: 07/19/23 10:20

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 12:09	1
Toluene	0.00444		0.00202	mg/Kg		07/27/23 14:04	07/29/23 12:09	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 12:09	1
m,p-Xylenes	0.00533		0.00404	mg/Kg		07/27/23 14:04	07/29/23 12:09	1
o-Xylene	0.00299		0.00202	mg/Kg		07/27/23 14:04	07/29/23 12:09	1
Xylenes, Total	0.00832		0.00404	mg/Kg		07/27/23 14:04	07/29/23 12:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	07/27/23 14:04	07/29/23 12:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/27/23 14:04	07/29/23 12:09	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-2 0-4.1'

Lab Sample ID: 880-31008-2

Date Collected: 07/19/23 10:20

Matrix: Solid

Date Received: 07/20/23 09:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0128		0.00404	mg/Kg			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	870		50.3	mg/Kg			08/04/23 12:20	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		07/31/23 16:14	08/04/23 07:03	1
Diesel Range Organics (Over C10-C28)	870		50.3	mg/Kg		07/31/23 16:14	08/04/23 07:03	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/31/23 16:14	08/04/23 07:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			07/31/23 16:14	08/04/23 07:03	1
o-Terphenyl (Surr)	90		70 - 130			07/31/23 16:14	08/04/23 07:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		25.0	mg/Kg			07/24/23 17:16	5

Client Sample ID: C-3 0-4.1'

Lab Sample ID: 880-31008-3

Date Collected: 07/19/23 10:25

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 12:29	1
Toluene	0.00323		0.00201	mg/Kg		07/27/23 14:04	07/29/23 12:29	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 12:29	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/27/23 14:04	07/29/23 12:29	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 12:29	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/23 14:04	07/29/23 12:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			07/27/23 14:04	07/29/23 12:29	1
1,4-Difluorobenzene (Surr)	99		70 - 130			07/27/23 14:04	07/29/23 12:29	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	156		50.3	mg/Kg			08/04/23 12:20	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		07/31/23 16:14	08/04/23 07:26	1
Diesel Range Organics (Over C10-C28)	156		50.3	mg/Kg		07/31/23 16:14	08/04/23 07:26	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-3 0-4.1'

Lab Sample ID: 880-31008-3

Date Collected: 07/19/23 10:25

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/31/23 16:14	08/04/23 07:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			07/31/23 16:14	08/04/23 07:26	1
o-Terphenyl (Surr)	92		70 - 130			07/31/23 16:14	08/04/23 07:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		24.9	mg/Kg			07/24/23 17:21	5

Client Sample ID: C-4 0-4.1'

Lab Sample ID: 880-31008-4

Date Collected: 07/19/23 10:30

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 12:50	1
Toluene	0.00209		0.00200	mg/Kg		07/27/23 14:04	07/29/23 12:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 12:50	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/27/23 14:04	07/29/23 12:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 12:50	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/27/23 14:04	07/29/23 12:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			07/27/23 14:04	07/29/23 12:50	1
1,4-Difluorobenzene (Surr)	103		70 - 130			07/27/23 14:04	07/29/23 12:50	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	172		50.5	mg/Kg			08/04/23 12:20	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	<50.5	U	50.5	mg/Kg		07/31/23 16:14	08/04/23 07:48	1
Diesel Range Organics (Over C10-C28)	172		50.5	mg/Kg		07/31/23 16:14	08/04/23 07:48	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/31/23 16:14	08/04/23 07:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	132	S1+	70 - 130			07/31/23 16:14	08/04/23 07:48	1
o-Terphenyl (Surr)	108		70 - 130			07/31/23 16:14	08/04/23 07:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2380		24.8	mg/Kg			07/24/23 17:26	5

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-5 0-4.1'

Lab Sample ID: 880-31008-5

Date Collected: 07/19/23 10:35

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 13:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 13:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 13:10	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 13:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 13:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	07/27/23 14:04	07/29/23 13:10	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/27/23 14:04	07/29/23 13:10	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	149		49.8	mg/Kg			08/04/23 12:20	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		07/31/23 16:14	08/04/23 08:11	1
Diesel Range Organics (Over C10-C28)	149		49.8	mg/Kg		07/31/23 16:14	08/04/23 08:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/31/23 16:14	08/04/23 08:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130	07/31/23 16:14	08/04/23 08:11	1
o-Terphenyl (Surr)	106		70 - 130	07/31/23 16:14	08/04/23 08:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1770		25.0	mg/Kg			07/24/23 17:31	5

Client Sample ID: C-6 0-4.1'

Lab Sample ID: 880-31008-6

Date Collected: 07/19/23 10:40

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 13:31	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/27/23 14:04	07/29/23 13:31	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/27/23 14:04	07/29/23 13:31	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/27/23 14:04	07/29/23 13:31	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/27/23 14:04	07/29/23 13:31	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/27/23 14:04	07/29/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/27/23 14:04	07/29/23 13:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/27/23 14:04	07/29/23 13:31	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-6 0-4.1'

Lab Sample ID: 880-31008-6

Date Collected: 07/19/23 10:40

Matrix: Solid

Date Received: 07/20/23 09:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/04/23 12:20	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	<49.6	U	49.6	mg/Kg		07/31/23 16:14	08/04/23 08:33	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/31/23 16:14	08/04/23 08:33	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/31/23 16:14	08/04/23 08:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130			07/31/23 16:14	08/04/23 08:33	1
o-Terphenyl (Surr)	103		70 - 130			07/31/23 16:14	08/04/23 08:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	261		4.97	mg/Kg			07/24/23 17:46	1

Client Sample ID: C-7, 4.1'

Lab Sample ID: 880-31008-7

Date Collected: 07/19/23 10:45

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 13:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 13:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 13:51	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/27/23 14:04	07/29/23 13:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 13:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/23 14:04	07/29/23 13:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			07/27/23 14:04	07/29/23 13:51	1
1,4-Difluorobenzene (Surr)	103		70 - 130			07/27/23 14:04	07/29/23 13:51	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/04/23 12:20	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	<49.6	U	49.6	mg/Kg		07/31/23 16:14	08/04/23 08:56	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/31/23 16:14	08/04/23 08:56	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-7, 4.1'

Lab Sample ID: 880-31008-7

Date Collected: 07/19/23 10:45

Matrix: Solid

Date Received: 07/20/23 09:45

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)	<49.6	U	49.6	mg/Kg		07/31/23 16:14	08/04/23 08:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			07/31/23 16:14	08/04/23 08:56	1
o-Terphenyl (Surr)	90		70 - 130			07/31/23 16:14	08/04/23 08:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	571		5.00	mg/Kg			07/24/23 17:51	1

Client Sample ID: C-8, 4.1'

Lab Sample ID: 880-31008-8

Date Collected: 07/19/23 10:50

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 14:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 14:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 14:12	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/27/23 14:04	07/29/23 14:12	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 14:12	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/27/23 14:04	07/29/23 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			07/27/23 14:04	07/29/23 14:12	1
1,4-Difluorobenzene (Surr)	107		70 - 130			07/27/23 14:04	07/29/23 14:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/31/23 10:36	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			08/04/23 12:20	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		07/31/23 16:14	08/04/23 09:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/31/23 16:14	08/04/23 09:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/31/23 16:14	08/04/23 09:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	132	S1+	70 - 130			07/31/23 16:14	08/04/23 09:18	1
o-Terphenyl (Surr)	112		70 - 130			07/31/23 16:14	08/04/23 09:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3360		49.5	mg/Kg			07/24/23 17:56	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-9, 4.1'

Lab Sample ID: 880-31008-9

Date Collected: 07/19/23 10:55

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 14:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 14:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 14:32	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/27/23 14:04	07/29/23 14:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 14:32	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/27/23 14:04	07/29/23 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/27/23 14:04	07/29/23 14:32	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/27/23 14:04	07/29/23 14:32	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	126		49.6	mg/Kg			08/04/23 13:08	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	<49.6	U	49.6	mg/Kg		07/31/23 16:14	08/04/23 04:53	1
Diesel Range Organics (Over C10-C28)	126		49.6	mg/Kg		07/31/23 16:14	08/04/23 04:53	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/31/23 16:14	08/04/23 04:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	07/31/23 16:14	08/04/23 04:53	1
o-Terphenyl (Surr)	115		70 - 130	07/31/23 16:14	08/04/23 04:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5340		50.4	mg/Kg			07/24/23 18:00	10

Client Sample ID: C-10, 4.1'

Lab Sample ID: 880-31008-10

Date Collected: 07/19/23 11:00

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 14:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 14:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 14:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 14:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 14:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/27/23 14:04	07/29/23 14:53	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/27/23 14:04	07/29/23 14:53	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-10, 4.1'

Lab Sample ID: 880-31008-10

Date Collected: 07/19/23 11:00

Matrix: Solid

Date Received: 07/20/23 09:45

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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	135		50.3	mg/Kg			08/04/23 13:08	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	<50.3	U	50.3	mg/Kg		07/31/23 16:14	08/04/23 05:15	1
Diesel Range Organics (Over C10-C28)	135		50.3	mg/Kg		07/31/23 16:14	08/04/23 05:15	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/31/23 16:14	08/04/23 05:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	139	S1+	70 - 130			07/31/23 16:14	08/04/23 05:15	1
o-Terphenyl (Surr)	142	S1+	70 - 130			07/31/23 16:14	08/04/23 05:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5470		50.0	mg/Kg			07/24/23 18:05	10

Client Sample ID: C-11, 4.1'

Lab Sample ID: 880-31008-11

Date Collected: 07/19/23 11:05

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 16:44	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 16:44	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 16:44	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/27/23 14:04	07/29/23 16:44	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 16:44	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/23 14:04	07/29/23 16:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130			07/27/23 14:04	07/29/23 16:44	1
1,4-Difluorobenzene (Surr)	93		70 - 130			07/27/23 14:04	07/29/23 16:44	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	277		50.1	mg/Kg			08/04/23 13:08	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	<50.1	U	50.1	mg/Kg		07/31/23 16:14	08/04/23 05:36	1
Diesel Range Organics (Over C10-C28)	277		50.1	mg/Kg		07/31/23 16:14	08/04/23 05:36	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-11, 4.1'

Lab Sample ID: 880-31008-11

Date Collected: 07/19/23 11:05

Matrix: Solid

Date Received: 07/20/23 09:45

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)	<50.1	U	50.1	mg/Kg		07/31/23 16:14	08/04/23 05:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	129		70 - 130			07/31/23 16:14	08/04/23 05:36	1
o-Terphenyl (Surr)	130		70 - 130			07/31/23 16:14	08/04/23 05:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5430	F1	49.5	mg/Kg			07/24/23 18:10	10

Client Sample ID: C-12, 4.1'

Lab Sample ID: 880-31008-12

Date Collected: 07/19/23 11:10

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 17:05	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 17:05	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 17:05	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		07/27/23 14:04	07/29/23 17:05	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 17:05	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/27/23 14:04	07/29/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			07/27/23 14:04	07/29/23 17:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130			07/27/23 14:04	07/29/23 17:05	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	779		50.2	mg/Kg			08/04/23 13:08	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	<50.2	U	50.2	mg/Kg		07/31/23 16:14	08/04/23 05:57	1
Diesel Range Organics (Over C10-C28)	779		50.2	mg/Kg		07/31/23 16:14	08/04/23 05:57	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/31/23 16:14	08/04/23 05:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130			07/31/23 16:14	08/04/23 05:57	1
o-Terphenyl (Surr)	142	S1+	70 - 130			07/31/23 16:14	08/04/23 05:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5700		49.9	mg/Kg			07/24/23 18:25	10

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-13, 4.1'

Lab Sample ID: 880-31008-13

Date Collected: 07/19/23 11:15

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 17:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 17:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 17:25	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/27/23 14:04	07/29/23 17:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 17:25	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/23 14:04	07/29/23 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/27/23 14:04	07/29/23 17:25	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/27/23 14:04	07/29/23 17:25	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	326		50.4	mg/Kg			08/04/23 13:08	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	<50.4	U	50.4	mg/Kg		07/31/23 16:14	08/04/23 06:19	1
Diesel Range Organics (Over C10-C28)	326		50.4	mg/Kg		07/31/23 16:14	08/04/23 06:19	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/31/23 16:14	08/04/23 06:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130	07/31/23 16:14	08/04/23 06:19	1
o-Terphenyl (Surr)	133	S1+	70 - 130	07/31/23 16:14	08/04/23 06:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6140		50.1	mg/Kg			07/24/23 18:30	10

Client Sample ID: C-14, 4.1'

Lab Sample ID: 880-31008-14

Date Collected: 07/19/23 11:20

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 17:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 17:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 17:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 17:46	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 17:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/27/23 14:04	07/29/23 17:46	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/27/23 14:04	07/29/23 17:46	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-14, 4.1'

Lab Sample ID: 880-31008-14

Date Collected: 07/19/23 11:20

Matrix: Solid

Date Received: 07/20/23 09:45

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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	117		49.9	mg/Kg			08/04/23 13:08	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	<49.9	U	49.9	mg/Kg		07/31/23 16:14	08/04/23 06:41	1
Diesel Range Organics (Over C10-C28)	117		49.9	mg/Kg		07/31/23 16:14	08/04/23 06:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		07/31/23 16:14	08/04/23 06:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130			07/31/23 16:14	08/04/23 06:41	1
o-Terphenyl (Surr)	136	S1+	70 - 130			07/31/23 16:14	08/04/23 06:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630		24.9	mg/Kg			07/24/23 18:45	5

Client Sample ID: C-15, 4.1'

Lab Sample ID: 880-31008-15

Date Collected: 07/19/23 11:25

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 18:06	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 18:06	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 18:06	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/27/23 14:04	07/29/23 18:06	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:04	07/29/23 18:06	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/27/23 14:04	07/29/23 18:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			07/27/23 14:04	07/29/23 18:06	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/27/23 14:04	07/29/23 18:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	478		49.8	mg/Kg			08/04/23 13:08	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		07/31/23 16:14	08/04/23 07:03	1
Diesel Range Organics (Over C10-C28)	478		49.8	mg/Kg		07/31/23 16:14	08/04/23 07:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-15, 4.1'

Lab Sample ID: 880-31008-15

Date Collected: 07/19/23 11:25

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/31/23 16:14	08/04/23 07:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			07/31/23 16:14	08/04/23 07:03	1
o-Terphenyl (Surr)	112		70 - 130			07/31/23 16:14	08/04/23 07:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150		24.8	mg/Kg			07/24/23 18:50	5

Client Sample ID: C-16, 4.1'

Lab Sample ID: 880-31008-16

Date Collected: 07/19/23 11:30

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 18:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 18:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 18:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 18:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 18:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 18:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			07/27/23 14:04	07/29/23 18:26	1
1,4-Difluorobenzene (Surr)	95		70 - 130			07/27/23 14:04	07/29/23 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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.9		50.1	mg/Kg			08/04/23 13:08	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	<50.1	U	50.1	mg/Kg		07/31/23 16:14	08/04/23 07:26	1
Diesel Range Organics (Over C10-C28)	66.9		50.1	mg/Kg		07/31/23 16:14	08/04/23 07:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/31/23 16:14	08/04/23 07:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			07/31/23 16:14	08/04/23 07:26	1
o-Terphenyl (Surr)	91		70 - 130			07/31/23 16:14	08/04/23 07:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	626		4.98	mg/Kg			07/24/23 18:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-17, 4.1'

Lab Sample ID: 880-31008-17

Date Collected: 07/19/23 11:35

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 18:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 18:47	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 18:47	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/27/23 14:04	07/29/23 18:47	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:04	07/29/23 18:47	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/23 14:04	07/29/23 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/27/23 14:04	07/29/23 18:47	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/27/23 14:04	07/29/23 18:47	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			08/04/23 13:08	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	<50.1	U	50.1	mg/Kg		07/31/23 16:14	08/04/23 07:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		07/31/23 16:14	08/04/23 07:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/31/23 16:14	08/04/23 07:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130	07/31/23 16:14	08/04/23 07:48	1
o-Terphenyl (Surr)	94		70 - 130	07/31/23 16:14	08/04/23 07:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.00	mg/Kg			07/24/23 19:00	1

Client Sample ID: C-18, 4.1'

Lab Sample ID: 880-31008-18

Date Collected: 07/19/23 11:40

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 19:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 19:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 19:07	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/27/23 14:04	07/29/23 19:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 19:07	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/27/23 14:04	07/29/23 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	07/27/23 14:04	07/29/23 19:07	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/27/23 14:04	07/29/23 19:07	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-18, 4.1'

Lab Sample ID: 880-31008-18

Date Collected: 07/19/23 11:40

Matrix: Solid

Date Received: 07/20/23 09:45

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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.5		50.0	mg/Kg			08/04/23 13:08	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	<50.0	U	50.0	mg/Kg		07/31/23 16:14	08/04/23 08:11	1
Diesel Range Organics (Over C10-C28)	56.5		50.0	mg/Kg		07/31/23 16:14	08/04/23 08:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/23 16:14	08/04/23 08:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			07/31/23 16:14	08/04/23 08:11	1
o-Terphenyl (Surr)	117		70 - 130			07/31/23 16:14	08/04/23 08:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2180		24.8	mg/Kg			07/24/23 19:05	5

Client Sample ID: C-19, 4.1'

Lab Sample ID: 880-31008-19

Date Collected: 07/19/23 11:45

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 19:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 19:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 19:28	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 19:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:04	07/29/23 19:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/23 14:04	07/29/23 19:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			07/27/23 14:04	07/29/23 19:28	1
1,4-Difluorobenzene (Surr)	110		70 - 130			07/27/23 14:04	07/29/23 19:28	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.2		50.0	mg/Kg			08/04/23 13:08	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	<50.0	U	50.0	mg/Kg		07/31/23 16:14	08/04/23 08:33	1
Diesel Range Organics (Over C10-C28)	60.2		50.0	mg/Kg		07/31/23 16:14	08/04/23 08:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-19, 4.1'

Lab Sample ID: 880-31008-19

Date Collected: 07/19/23 11:45

Matrix: Solid

Date Received: 07/20/23 09:45

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/23 16:14	08/04/23 08:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130			07/31/23 16:14	08/04/23 08:33	1
o-Terphenyl (Surr)	101		70 - 130			07/31/23 16:14	08/04/23 08:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3230		25.3	mg/Kg			07/24/23 19:10	5

Client Sample ID: C-20, 4.1'

Lab Sample ID: 880-31008-20

Date Collected: 07/19/23 11:50

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:04	07/29/23 19:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 19:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 19:48	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/27/23 14:04	07/29/23 19:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 19:48	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/23 14:04	07/29/23 19:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			07/27/23 14:04	07/29/23 19:48	1
1,4-Difluorobenzene (Surr)	106		70 - 130			07/27/23 14:04	07/29/23 19:48	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			07/31/23 10:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.0		50.0	mg/Kg			08/04/23 13:08	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	<50.0	U	50.0	mg/Kg		07/31/23 16:14	08/04/23 08:56	1
Diesel Range Organics (Over C10-C28)	75.0		50.0	mg/Kg		07/31/23 16:14	08/04/23 08:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/23 16:14	08/04/23 08:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			07/31/23 16:14	08/04/23 08:56	1
o-Terphenyl (Surr)	92		70 - 130			07/31/23 16:14	08/04/23 08:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	472		5.02	mg/Kg			07/24/23 19:15	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-21, 4.1'

Lab Sample ID: 880-31008-21

Date Collected: 07/19/23 11:55

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 09:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 09:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 09:22	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/27/23 14:28	07/29/23 09:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 09:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/27/23 14:28	07/29/23 09:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/27/23 14:28	07/29/23 09:22	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/27/23 14:28	07/29/23 09:22	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			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	144		50.2	mg/Kg			08/04/23 11:39	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	<50.2	U	50.2	mg/Kg		07/31/23 16:20	08/04/23 06:43	1
Diesel Range Organics (Over C10-C28)	144		50.2	mg/Kg		07/31/23 16:20	08/04/23 06:43	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/31/23 16:20	08/04/23 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	07/31/23 16:20	08/04/23 06:43	1
o-Terphenyl (Surr)	87		70 - 130	07/31/23 16:20	08/04/23 06:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	598		4.99	mg/Kg			07/24/23 19:55	1

Client Sample ID: C-22, 4.1'

Lab Sample ID: 880-31008-22

Date Collected: 07/19/23 12:00

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 09:43	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:28	07/29/23 09:43	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:28	07/29/23 09:43	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/27/23 14:28	07/29/23 09:43	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:28	07/29/23 09:43	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/27/23 14:28	07/29/23 09:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/27/23 14:28	07/29/23 09:43	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/27/23 14:28	07/29/23 09:43	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-22, 4.1'

Lab Sample ID: 880-31008-22

Date Collected: 07/19/23 12:00

Matrix: Solid

Date Received: 07/20/23 09:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/31/23 09:55	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			08/04/23 11:39	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	<50.3	U	50.3	mg/Kg		07/31/23 16:20	08/04/23 07:51	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		07/31/23 16:20	08/04/23 07:51	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		07/31/23 16:20	08/04/23 07:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			07/31/23 16:20	08/04/23 07:51	1
o-Terphenyl (Surr)	88		70 - 130			07/31/23 16:20	08/04/23 07:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		5.00	mg/Kg			07/24/23 20:10	1

Client Sample ID: C-23, 4.1'

Lab Sample ID: 880-31008-23

Date Collected: 07/19/23 12:05

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 10:03	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:28	07/29/23 10:03	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:28	07/29/23 10:03	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/27/23 14:28	07/29/23 10:03	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:28	07/29/23 10:03	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/23 14:28	07/29/23 10:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			07/27/23 14:28	07/29/23 10:03	1
1,4-Difluorobenzene (Surr)	111		70 - 130			07/27/23 14:28	07/29/23 10:03	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			07/31/23 09:55	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			08/04/23 11:39	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	<50.3	U	50.3	mg/Kg		07/31/23 16:20	08/04/23 08:14	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		07/31/23 16:20	08/04/23 08:14	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-23, 4.1'

Lab Sample ID: 880-31008-23

Date Collected: 07/19/23 12:05

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/31/23 16:20	08/04/23 08:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			07/31/23 16:20	08/04/23 08:14	1
o-Terphenyl (Surr)	114		70 - 130			07/31/23 16:20	08/04/23 08:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		4.96	mg/Kg			07/24/23 20:15	1

Client Sample ID: C-24, 4.1'

Lab Sample ID: 880-31008-24

Date Collected: 07/19/23 12:10

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 10:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 10:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 10:24	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/27/23 14:28	07/29/23 10:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 10:24	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/27/23 14:28	07/29/23 10:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			07/27/23 14:28	07/29/23 10:24	1
1,4-Difluorobenzene (Surr)	109		70 - 130			07/27/23 14:28	07/29/23 10:24	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			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	85.1		49.8	mg/Kg			08/04/23 11:39	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	<49.8	U	49.8	mg/Kg		07/31/23 16:20	08/04/23 08:37	1
Diesel Range Organics (Over C10-C28)	85.1		49.8	mg/Kg		07/31/23 16:20	08/04/23 08:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/31/23 16:20	08/04/23 08:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	1	S1-	70 - 130			07/31/23 16:20	08/04/23 08:37	1
o-Terphenyl (Surr)	1	S1-	70 - 130			07/31/23 16:20	08/04/23 08:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	552		5.01	mg/Kg			07/24/23 20:20	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-25, 4.1'

Lab Sample ID: 880-31008-25

Date Collected: 07/19/23 12:15

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 10:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:28	07/29/23 10:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:28	07/29/23 10:45	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/27/23 14:28	07/29/23 10:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/23 14:28	07/29/23 10:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/23 14:28	07/29/23 10:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/27/23 14:28	07/29/23 10:45	1
1,4-Difluorobenzene (Surr)	105		70 - 130	07/27/23 14:28	07/29/23 10:45	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			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/04/23 11:39	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	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 08:59	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 08:59	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 08:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	07/31/23 16:20	08/04/23 08:59	1
o-Terphenyl (Surr)	106		70 - 130	07/31/23 16:20	08/04/23 08:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		4.99	mg/Kg			07/24/23 20:25	1

Client Sample ID: C-26, 4.1'

Lab Sample ID: 880-31008-26

Date Collected: 07/19/23 12:20

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 11:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 11:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 11:05	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/27/23 14:28	07/29/23 11:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 11:05	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/27/23 14:28	07/29/23 11:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/27/23 14:28	07/29/23 11:05	1
1,4-Difluorobenzene (Surr)	108		70 - 130	07/27/23 14:28	07/29/23 11:05	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-26, 4.1'

Lab Sample ID: 880-31008-26

Date Collected: 07/19/23 12:20

Matrix: Solid

Date Received: 07/20/23 09:45

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			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			08/04/23 11:39	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	<50.2	U	50.2	mg/Kg		07/31/23 16:20	08/04/23 09:22	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		07/31/23 16:20	08/04/23 09:22	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		07/31/23 16:20	08/04/23 09:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			07/31/23 16:20	08/04/23 09:22	1
o-Terphenyl (Surr)	85		70 - 130			07/31/23 16:20	08/04/23 09:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		4.95	mg/Kg			07/24/23 20:40	1

Client Sample ID: C-27, 4.1'

Lab Sample ID: 880-31008-27

Date Collected: 07/19/23 12:25

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 11:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 11:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 11:26	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/27/23 14:28	07/29/23 11:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 11:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/23 14:28	07/29/23 11:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			07/27/23 14:28	07/29/23 11:26	1
1,4-Difluorobenzene (Surr)	106		70 - 130			07/27/23 14:28	07/29/23 11:26	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			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.8		50.1	mg/Kg			08/04/23 11:39	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	<50.1	U	50.1	mg/Kg		07/31/23 16:20	08/04/23 09:45	1
Diesel Range Organics (Over C10-C28)	89.8		50.1	mg/Kg		07/31/23 16:20	08/04/23 09:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-27, 4.1'

Lab Sample ID: 880-31008-27

Date Collected: 07/19/23 12:25

Matrix: Solid

Date Received: 07/20/23 09:45

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)	<50.1	U	50.1	mg/Kg		07/31/23 16:20	08/04/23 09:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			07/31/23 16:20	08/04/23 09:45	1
o-Terphenyl (Surr)	87		70 - 130			07/31/23 16:20	08/04/23 09:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	425		4.97	mg/Kg			07/24/23 20:45	1

Client Sample ID: C-28, 4.1'

Lab Sample ID: 880-31008-28

Date Collected: 07/19/23 12:30

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 11:47	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/27/23 14:28	07/29/23 11:47	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/27/23 14:28	07/29/23 11:47	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		07/27/23 14:28	07/29/23 11:47	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/27/23 14:28	07/29/23 11:47	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/27/23 14:28	07/29/23 11:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			07/27/23 14:28	07/29/23 11:47	1
1,4-Difluorobenzene (Surr)	108		70 - 130			07/27/23 14:28	07/29/23 11:47	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			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.8		49.8	mg/Kg			08/04/23 11:39	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	<49.8	U	49.8	mg/Kg		07/31/23 16:20	08/04/23 10:10	1
Diesel Range Organics (Over C10-C28)	52.8		49.8	mg/Kg		07/31/23 16:20	08/04/23 10:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		07/31/23 16:20	08/04/23 10:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			07/31/23 16:20	08/04/23 10:10	1
o-Terphenyl (Surr)	88		70 - 130			07/31/23 16:20	08/04/23 10:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	268		5.00	mg/Kg			07/24/23 20:50	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-29, 4.1'

Lab Sample ID: 880-31008-29

Date Collected: 07/19/23 12:35

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 12:07	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:28	07/29/23 12:07	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:28	07/29/23 12:07	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/27/23 14:28	07/29/23 12:07	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/23 14:28	07/29/23 12:07	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/23 14:28	07/29/23 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/27/23 14:28	07/29/23 12:07	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/27/23 14:28	07/29/23 12:07	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			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.0		49.6	mg/Kg			08/04/23 11:43	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	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 05:40	1
Diesel Range Organics (Over C10-C28)	60.0		49.6	mg/Kg		07/31/23 16:20	08/04/23 05:40	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 05:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130	07/31/23 16:20	08/04/23 05:40	1
o-Terphenyl (Surr)	81		70 - 130	07/31/23 16:20	08/04/23 05:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		4.96	mg/Kg			07/24/23 20:55	1

Client Sample ID: C-30, 4.1'

Lab Sample ID: 880-31008-30

Date Collected: 07/19/23 12:40

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 12:28	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:28	07/29/23 12:28	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:28	07/29/23 12:28	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/27/23 14:28	07/29/23 12:28	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:28	07/29/23 12:28	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/27/23 14:28	07/29/23 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/27/23 14:28	07/29/23 12:28	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/27/23 14:28	07/29/23 12:28	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-30, 4.1'

Lab Sample ID: 880-31008-30

Date Collected: 07/19/23 12:40

Matrix: Solid

Date Received: 07/20/23 09:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.6		50.5	mg/Kg			08/04/23 11:43	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	<50.5	U	50.5	mg/Kg		07/31/23 16:20	08/04/23 06:00	1
Diesel Range Organics (Over C10-C28)	64.6		50.5	mg/Kg		07/31/23 16:20	08/04/23 06:00	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		07/31/23 16:20	08/04/23 06:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			07/31/23 16:20	08/04/23 06:00	1
o-Terphenyl (Surr)	90		70 - 130			07/31/23 16:20	08/04/23 06:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		5.04	mg/Kg			07/24/23 21:00	1

Client Sample ID: C-31, 4.1'

Lab Sample ID: 880-31008-31

Date Collected: 07/19/23 12:45

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 13:52	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/27/23 14:28	07/29/23 13:52	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/27/23 14:28	07/29/23 13:52	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/27/23 14:28	07/29/23 13:52	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/27/23 14:28	07/29/23 13:52	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/27/23 14:28	07/29/23 13:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			07/27/23 14:28	07/29/23 13:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130			07/27/23 14:28	07/29/23 13:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.3		50.4	mg/Kg			08/04/23 11:43	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	<50.4	U	50.4	mg/Kg		07/31/23 16:20	08/04/23 06:21	1
Diesel Range Organics (Over C10-C28)	58.3		50.4	mg/Kg		07/31/23 16:20	08/04/23 06:21	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-31, 4.1'

Lab Sample ID: 880-31008-31

Date Collected: 07/19/23 12:45

Matrix: Solid

Date Received: 07/20/23 09:45

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)	<50.4	U	50.4	mg/Kg		07/31/23 16:20	08/04/23 06:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			07/31/23 16:20	08/04/23 06:21	1
o-Terphenyl (Surr)	93		70 - 130			07/31/23 16:20	08/04/23 06:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	213		4.99	mg/Kg			07/24/23 21:05	1

Client Sample ID: C-32, 4.1'

Lab Sample ID: 880-31008-32

Date Collected: 07/19/23 12:50

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 14:28	07/29/23 14:13	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:28	07/29/23 14:13	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:28	07/29/23 14:13	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		07/27/23 14:28	07/29/23 14:13	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/27/23 14:28	07/29/23 14:13	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/27/23 14:28	07/29/23 14:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			07/27/23 14:28	07/29/23 14:13	1
1,4-Difluorobenzene (Surr)	110		70 - 130			07/27/23 14:28	07/29/23 14:13	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			07/31/23 09:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.2		49.6	mg/Kg			08/04/23 11:43	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	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 06:43	1
Diesel Range Organics (Over C10-C28)	73.2		49.6	mg/Kg		07/31/23 16:20	08/04/23 06:43	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 06:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			07/31/23 16:20	08/04/23 06:43	1
o-Terphenyl (Surr)	92		70 - 130			07/31/23 16:20	08/04/23 06:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227		4.95	mg/Kg			07/24/23 21:20	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-33, 4.1'

Lab Sample ID: 880-31008-33

Date Collected: 07/19/23 12:55

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 01:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/23 13:40	07/28/23 01:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/27/23 13:40	07/28/23 01:11	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/27/23 13:40	07/28/23 01:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/23 13:40	07/28/23 01:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/23 13:40	07/28/23 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/27/23 13:40	07/28/23 01:11	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/27/23 13:40	07/28/23 01:11	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			07/28/23 13:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/04/23 11:43	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	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 07:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 07:07	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		07/31/23 16:20	08/04/23 07:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	07/31/23 16:20	08/04/23 07:07	1
o-Terphenyl (Surr)	91		70 - 130	07/31/23 16:20	08/04/23 07:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		5.01	mg/Kg			07/24/23 21:25	1

Client Sample ID: C-34, 4.1'

Lab Sample ID: 880-31008-34

Date Collected: 07/19/23 13:00

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 01:32	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/27/23 13:40	07/28/23 01:32	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/27/23 13:40	07/28/23 01:32	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/27/23 13:40	07/28/23 01:32	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/27/23 13:40	07/28/23 01:32	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/27/23 13:40	07/28/23 01:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/27/23 13:40	07/28/23 01:32	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/27/23 13:40	07/28/23 01:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-34, 4.1'

Lab Sample ID: 880-31008-34

Date Collected: 07/19/23 13:00

Matrix: Solid

Date Received: 07/20/23 09:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			07/28/23 13:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/04/23 11:43	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	<50.4	U	50.4	mg/Kg		07/31/23 16:20	08/04/23 07:29	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		07/31/23 16:20	08/04/23 07:29	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		07/31/23 16:20	08/04/23 07:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			07/31/23 16:20	08/04/23 07:29	1
o-Terphenyl (Surr)	93		70 - 130			07/31/23 16:20	08/04/23 07:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		4.97	mg/Kg			07/24/23 21:40	1

Client Sample ID: C-35, 4.1'

Lab Sample ID: 880-31008-35

Date Collected: 07/19/23 13:05

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 02:56	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/27/23 13:40	07/28/23 02:56	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/23 13:40	07/28/23 02:56	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/27/23 13:40	07/28/23 02:56	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/23 13:40	07/28/23 02:56	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/23 13:40	07/28/23 02:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			07/27/23 13:40	07/28/23 02:56	1
1,4-Difluorobenzene (Surr)	94		70 - 130			07/27/23 13:40	07/28/23 02:56	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			07/28/23 13:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			08/04/23 11:43	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	<50.2	U	50.2	mg/Kg		07/31/23 16:20	08/04/23 07:51	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		07/31/23 16:20	08/04/23 07:51	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-35, 4.1'

Lab Sample ID: 880-31008-35

Date Collected: 07/19/23 13:05

Matrix: Solid

Date Received: 07/20/23 09:45

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)	<50.2	U	50.2	mg/Kg		07/31/23 16:20	08/04/23 07:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			07/31/23 16:20	08/04/23 07:51	1
o-Terphenyl (Surr)	90		70 - 130			07/31/23 16:20	08/04/23 07:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		4.95	mg/Kg			07/24/23 21:45	1

Client Sample ID: C-36, 4.1'

Lab Sample ID: 880-31008-36

Date Collected: 07/19/23 13:10

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 03:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/27/23 13:40	07/28/23 03:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/27/23 13:40	07/28/23 03:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/27/23 13:40	07/28/23 03:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/27/23 13:40	07/28/23 03:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/27/23 13:40	07/28/23 03:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			07/27/23 13:40	07/28/23 03:16	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/27/23 13:40	07/28/23 03:16	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			07/28/23 13:06	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			08/04/23 11:43	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		07/31/23 16:20	08/04/23 08:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		07/31/23 16:20	08/04/23 08:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		07/31/23 16:20	08/04/23 08:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			07/31/23 16:20	08/04/23 08:14	1
o-Terphenyl (Surr)	84		70 - 130			07/31/23 16:20	08/04/23 08:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	324		4.95	mg/Kg			07/24/23 21:50	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-37, 4.1'

Lab Sample ID: 880-31008-37

Date Collected: 07/19/23 13:15

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 03:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 03:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 03:37	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/27/23 13:40	07/28/23 03:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 03:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/27/23 13:40	07/28/23 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/27/23 13:40	07/28/23 03:37	1
1,4-Difluorobenzene (Surr)	105		70 - 130	07/27/23 13:40	07/28/23 03:37	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			07/28/23 13:06	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			08/04/23 11:43	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	<50.0	U	50.0	mg/Kg		07/31/23 16:20	08/04/23 08:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/31/23 16:20	08/04/23 08:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/23 16:20	08/04/23 08:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	07/31/23 16:20	08/04/23 08:37	1
o-Terphenyl (Surr)	94		70 - 130	07/31/23 16:20	08/04/23 08:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	262		5.01	mg/Kg			07/24/23 21:55	1

Client Sample ID: C-38, 4.1'

Lab Sample ID: 880-31008-38

Date Collected: 07/19/23 13:20

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 03:58	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/27/23 13:40	07/28/23 03:58	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/27/23 13:40	07/28/23 03:58	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/27/23 13:40	07/28/23 03:58	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/27/23 13:40	07/28/23 03:58	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/27/23 13:40	07/28/23 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/27/23 13:40	07/28/23 03:58	1
1,4-Difluorobenzene (Surr)	106		70 - 130	07/27/23 13:40	07/28/23 03:58	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-38, 4.1'

Lab Sample ID: 880-31008-38

Date Collected: 07/19/23 13:20

Matrix: Solid

Date Received: 07/20/23 09:45

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			07/28/23 13:06	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			08/04/23 11:43	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	<50.0	U	50.0	mg/Kg		07/31/23 16:20	08/04/23 08:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/31/23 16:20	08/04/23 08:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/23 16:20	08/04/23 08:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			07/31/23 16:20	08/04/23 08:59	1
o-Terphenyl (Surr)	96		70 - 130			07/31/23 16:20	08/04/23 08:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	443		5.05	mg/Kg			07/24/23 22:00	1

Client Sample ID: C-39, 4.1'

Lab Sample ID: 880-31008-39

Date Collected: 07/19/23 13:25

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 04:19	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/27/23 13:40	07/28/23 04:19	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 13:40	07/28/23 04:19	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		07/27/23 13:40	07/28/23 04:19	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/27/23 13:40	07/28/23 04:19	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/27/23 13:40	07/28/23 04:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			07/27/23 13:40	07/28/23 04:19	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/27/23 13:40	07/28/23 04:19	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			07/28/23 13:06	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			08/04/23 11:43	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	<50.3	U	50.3	mg/Kg		07/31/23 16:20	08/04/23 09:22	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		07/31/23 16:20	08/04/23 09:22	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-39, 4.1'

Lab Sample ID: 880-31008-39

Date Collected: 07/19/23 13:25

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/31/23 16:20	08/04/23 09:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			07/31/23 16:20	08/04/23 09:22	1
o-Terphenyl (Surr)	91		70 - 130			07/31/23 16:20	08/04/23 09:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	444		4.98	mg/Kg			07/24/23 22:05	1

Client Sample ID: C-40, 4.1'

Lab Sample ID: 880-31008-40

Date Collected: 07/19/23 13:30

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 04:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 04:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 04:40	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/27/23 13:40	07/28/23 04:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 04:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/27/23 13:40	07/28/23 04:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			07/27/23 13:40	07/28/23 04:40	1
1,4-Difluorobenzene (Surr)	103		70 - 130			07/27/23 13:40	07/28/23 04:40	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			07/28/23 13:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			08/04/23 11:43	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	<50.1	U	50.1	mg/Kg		07/31/23 16:20	08/04/23 09:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		07/31/23 16:20	08/04/23 09:45	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		07/31/23 16:20	08/04/23 09:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			07/31/23 16:20	08/04/23 09:45	1
o-Terphenyl (Surr)	89		70 - 130			07/31/23 16:20	08/04/23 09:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	619		4.96	mg/Kg			07/24/23 22:10	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-41, 4.1'

Lab Sample ID: 880-31008-41

Date Collected: 07/19/23 13:35

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 05:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 05:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 05:00	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/27/23 13:40	07/28/23 05:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 05:00	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/23 13:40	07/28/23 05:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	07/27/23 13:40	07/28/23 05:00	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/27/23 13:40	07/28/23 05:00	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			07/28/23 13:06	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			08/04/23 18:48	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	<50.3	U	50.3	mg/Kg		08/02/23 08:57	08/04/23 15:46	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		08/02/23 08:57	08/04/23 15:46	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		08/02/23 08:57	08/04/23 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	08/02/23 08:57	08/04/23 15:46	1
o-Terphenyl (Surr)	105		70 - 130	08/02/23 08:57	08/04/23 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		4.99	mg/Kg			07/22/23 09:30	1

Client Sample ID: C-42, 4.1'

Lab Sample ID: 880-31008-42

Date Collected: 07/19/23 13:40

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 05:21	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/27/23 13:40	07/28/23 05:21	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/27/23 13:40	07/28/23 05:21	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/27/23 13:40	07/28/23 05:21	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/27/23 13:40	07/28/23 05:21	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/27/23 13:40	07/28/23 05:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/27/23 13:40	07/28/23 05:21	1
1,4-Difluorobenzene (Surr)	106		70 - 130	07/27/23 13:40	07/28/23 05:21	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-42, 4.1'

Lab Sample ID: 880-31008-42

Date Collected: 07/19/23 13:40

Matrix: Solid

Date Received: 07/20/23 09:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			07/28/23 13:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/04/23 18:48	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	<50.4	U	50.4	mg/Kg		08/02/23 08:57	08/04/23 16:08	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/02/23 08:57	08/04/23 16:08	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/02/23 08:57	08/04/23 16:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			08/02/23 08:57	08/04/23 16:08	1
o-Terphenyl (Surr)	89		70 - 130			08/02/23 08:57	08/04/23 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.99	mg/Kg			07/22/23 09:35	1

Client Sample ID: C-43, 4.1'

Lab Sample ID: 880-31008-43

Date Collected: 07/19/23 13:45

Matrix: Solid

Date Received: 07/20/23 09:45

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		07/27/23 13:40	07/28/23 05:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 05:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 05:42	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/27/23 13:40	07/28/23 05:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/28/23 05:42	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/27/23 13:40	07/28/23 05:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			07/27/23 13:40	07/28/23 05:42	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/27/23 13:40	07/28/23 05:42	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			07/28/23 13:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/04/23 18:48	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	<50.5	U	50.5	mg/Kg		08/02/23 08:57	08/04/23 16:30	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/02/23 08:57	08/04/23 16:30	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-43, 4.1'
Date Collected: 07/19/23 13:45
Date Received: 07/20/23 09:45

Lab Sample ID: 880-31008-43
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
OII Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg	-	08/02/23 08:57	08/04/23 16:30	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	111		70 - 130			08/02/23 08:57	08/04/23 16:30	1	
o-Terphenyl (Surr)	98		70 - 130			08/02/23 08:57	08/04/23 16:30	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	65.5		4.98	mg/Kg	-		07/22/23 09:40	1	

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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)
880-31008-1	C-1 0-4.1'	84	95
880-31008-1 MS	C-1 0-4.1'	86	98
880-31008-1 MSD	C-1 0-4.1'	94	95
880-31008-2	C-2 0-4.1'	87	101
880-31008-3	C-3 0-4.1'	90	99
880-31008-4	C-4 0-4.1'	90	103
880-31008-5	C-5 0-4.1'	92	102
880-31008-6	C-6 0-4.1'	95	99
880-31008-7	C-7, 4.1'	93	103
880-31008-8	C-8, 4.1'	97	107
880-31008-9	C-9, 4.1'	101	96
880-31008-10	C-10, 4.1'	94	104
880-31008-11	C-11, 4.1'	79	93
880-31008-12	C-12, 4.1'	81	101
880-31008-13	C-13, 4.1'	93	100
880-31008-14	C-14, 4.1'	94	98
880-31008-15	C-15, 4.1'	102	104
880-31008-16	C-16, 4.1'	96	95
880-31008-17	C-17, 4.1'	97	104
880-31008-18	C-18, 4.1'	85	103
880-31008-19	C-19, 4.1'	100	110
880-31008-20	C-20, 4.1'	92	106
880-31008-21	C-21, 4.1'	103	98
880-31008-21 MS	C-21, 4.1'	120	94
880-31008-21 MSD	C-21, 4.1'	118	96
880-31008-22	C-22, 4.1'	112	109
880-31008-23	C-23, 4.1'	116	111
880-31008-24	C-24, 4.1'	112	109
880-31008-25	C-25, 4.1'	107	105
880-31008-26	C-26, 4.1'	114	108
880-31008-27	C-27, 4.1'	114	106
880-31008-28	C-28, 4.1'	112	108
880-31008-29	C-29, 4.1'	119	109
880-31008-30	C-30, 4.1'	114	107
880-31008-31	C-31, 4.1'	114	98
880-31008-32	C-32, 4.1'	108	110
880-31008-33	C-33, 4.1'	107	103
880-31008-34	C-34, 4.1'	124	109
880-31008-35	C-35, 4.1'	109	94
880-31008-36	C-36, 4.1'	109	104
880-31008-37	C-37, 4.1'	119	105
880-31008-38	C-38, 4.1'	114	106
880-31008-39	C-39, 4.1'	114	104
880-31008-40	C-40, 4.1'	117	103
880-31008-41	C-41, 4.1'	118	104
880-31008-42	C-42, 4.1'	119	106
880-31008-43	C-43, 4.1'	119	104
LCS 880-58657/1-A	Lab Control Sample	110	102
LCS 880-58658/1-A	Lab Control Sample	95	95

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-31008-1

Project/Site: SD 24 Fed P23

SDG: 21-0100-07

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)
LCS 880-58665/1-A	Lab Control Sample	119	99
LCSD 880-58657/2-A	Lab Control Sample Dup	113	97
LCSD 880-58658/2-A	Lab Control Sample Dup	95	95
LCSD 880-58665/2-A	Lab Control Sample Dup	113	92
MB 880-58635/5-A	Method Blank	100	90
MB 880-58657/5-A	Method Blank	96	90
MB 880-58658/5-A	Method Blank	97	113
MB 880-58665/5-A	Method Blank	97	87
MB 880-58733/5-A	Method Blank	95	88
MB 880-58734/5-A	Method Blank	98	127

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)
880-31008-1	C-1 0-4.1'	117	96
880-31008-1 MS	C-1 0-4.1'	122	94
880-31008-1 MSD	C-1 0-4.1'	139 S1+	106
880-31008-2	C-2 0-4.1'	110	90
880-31008-3	C-3 0-4.1'	112	92
880-31008-4	C-4 0-4.1'	132 S1+	108
880-31008-5	C-5 0-4.1'	131 S1+	106
880-31008-6	C-6 0-4.1'	129	103
880-31008-7	C-7, 4.1'	111	90
880-31008-8	C-8, 4.1'	132 S1+	112
880-31008-9	C-9, 4.1'	115	115
880-31008-10	C-10, 4.1'	139 S1+	142 S1+
880-31008-11	C-11, 4.1'	129	130
880-31008-12	C-12, 4.1'	135 S1+	142 S1+
880-31008-13	C-13, 4.1'	128	133 S1+
880-31008-14	C-14, 4.1'	133 S1+	136 S1+
880-31008-15	C-15, 4.1'	108	112
880-31008-16	C-16, 4.1'	92	91
880-31008-17	C-17, 4.1'	96	94
880-31008-18	C-18, 4.1'	113	117
880-31008-19	C-19, 4.1'	99	101
880-31008-20	C-20, 4.1'	91	92
880-31008-21	C-21, 4.1'	87	87
880-31008-21 MS	C-21, 4.1'	105	93
880-31008-21 MSD	C-21, 4.1'	92	81
880-31008-22	C-22, 4.1'	90	88
880-31008-23	C-23, 4.1'	107	114
880-31008-24	C-24, 4.1'	1 S1-	1 S1-
880-31008-25	C-25, 4.1'	101	106
880-31008-26	C-26, 4.1'	83	85

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-31008-1

Project/Site: SD 24 Fed P23

SDG: 21-0100-07

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)
880-31008-27	C-27, 4.1'	88	87
880-31008-28	C-28, 4.1'	88	88
880-31008-29	C-29, 4.1'	83	81
880-31008-30	C-30, 4.1'	88	90
880-31008-31	C-31, 4.1'	90	93
880-31008-32	C-32, 4.1'	89	92
880-31008-33	C-33, 4.1'	88	91
880-31008-34	C-34, 4.1'	90	93
880-31008-35	C-35, 4.1'	88	90
880-31008-36	C-36, 4.1'	80	84
880-31008-37	C-37, 4.1'	92	94
880-31008-38	C-38, 4.1'	98	96
880-31008-39	C-39, 4.1'	86	91
880-31008-40	C-40, 4.1'	88	89
880-31008-41	C-41, 4.1'	121	105
880-31008-42	C-42, 4.1'	104	89
880-31008-43	C-43, 4.1'	111	98
LCS 880-58928/2-A	Lab Control Sample	88	92
LCS 880-58930/2-A	Lab Control Sample	105	93
LCS 880-59080/2-A	Lab Control Sample	94	100
LCSD 880-58928/3-A	Lab Control Sample Dup	99	101
LCSD 880-58930/3-A	Lab Control Sample Dup	92	82
LCSD 880-59080/3-A	Lab Control Sample Dup	91	107
MB 880-58928/1-A	Method Blank	188 S1+	165 S1+
MB 880-58930/1-A	Method Blank	127	128
MB 880-59080/1-A	Method Blank	133 S1+	125

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-58635/5-A

Matrix: Solid

Analysis Batch: 58625

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58635

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/27/23 08:54	07/27/23 11:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 08:54	07/27/23 11:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 08:54	07/27/23 11:16	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/27/23 08:54	07/27/23 11:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 08:54	07/27/23 11:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/23 08:54	07/27/23 11:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/27/23 08:54	07/27/23 11:16	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/27/23 08:54	07/27/23 11:16	1

Lab Sample ID: MB 880-58657/5-A

Matrix: Solid

Analysis Batch: 58625

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58657

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/27/23 22:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/27/23 22:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/27/23 22:04	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/27/23 13:40	07/27/23 22:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 13:40	07/27/23 22:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/23 13:40	07/27/23 22:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/27/23 13:40	07/27/23 22:04	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/27/23 13:40	07/27/23 22:04	1

Lab Sample ID: LCS 880-58657/1-A

Matrix: Solid

Analysis Batch: 58625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09695		mg/Kg		97	70 - 130
Toluene	0.100	0.1024		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09372		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.1802		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09167		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-58657/2-A

Matrix: Solid

Analysis Batch: 58625

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58657

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09381		mg/Kg		94	70 - 130	3	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-58657/2-A

Matrix: Solid

Analysis Batch: 58625

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58657

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1017		mg/Kg		102	70 - 130	1	35
Ethylbenzene	0.100	0.09477		mg/Kg		95	70 - 130	1	35
m,p-Xylenes	0.200	0.1831		mg/Kg		92	70 - 130	2	35
o-Xylene	0.100	0.09334		mg/Kg		93	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-58658/5-A

Matrix: Solid

Analysis Batch: 58691

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58658

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 11:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 11:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 11:20	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/27/23 14:04	07/29/23 11:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:04	07/29/23 11:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/23 14:04	07/29/23 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/27/23 14:04	07/29/23 11:20	1
1,4-Difluorobenzene (Surr)	113		70 - 130	07/27/23 14:04	07/29/23 11:20	1

Lab Sample ID: LCS 880-58658/1-A

Matrix: Solid

Analysis Batch: 58691

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58658

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1081		mg/Kg		108	70 - 130
Toluene	0.100	0.1013		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09609		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.2079		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-58658/2-A

Matrix: Solid

Analysis Batch: 58691

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58658

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	7	35
Toluene	0.100	0.09814		mg/Kg		98	70 - 130	3	35
Ethylbenzene	0.100	0.09531		mg/Kg		95	70 - 130	1	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-58658/2-A

Matrix: Solid

Analysis Batch: 58691

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58658

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	0.200	0.2056		mg/Kg		103	70 - 130	1	35
o-Xylene	0.100	0.1005		mg/Kg		101	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-31008-1 MS

Matrix: Solid

Analysis Batch: 58691

Client Sample ID: C-1 0-4.1'

Prep Type: Total/NA

Prep Batch: 58658

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0994	0.09785		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.0994	0.08927		mg/Kg		89	70 - 130
Ethylbenzene	<0.00200	U	0.0994	0.08197		mg/Kg		82	70 - 130
m,p-Xylenes	<0.00399	U	0.199	0.1777		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.0994	0.08634		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-31008-1 MSD

Matrix: Solid

Analysis Batch: 58691

Client Sample ID: C-1 0-4.1'

Prep Type: Total/NA

Prep Batch: 58658

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.09587		mg/Kg		96	70 - 130	2	35
Toluene	<0.00200	U	0.0998	0.08678		mg/Kg		86	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0998	0.08247		mg/Kg		82	70 - 130	1	35
m,p-Xylenes	<0.00399	U	0.200	0.1880		mg/Kg		93	70 - 130	6	35
o-Xylene	<0.00200	U	0.0998	0.09192		mg/Kg		92	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-58665/5-A

Matrix: Solid

Analysis Batch: 58692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58665

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 09:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 09:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 09:00	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/27/23 14:28	07/29/23 09:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/27/23 14:28	07/29/23 09:00	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/27/23 14:28	07/29/23 09:00	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/27/23 14:28	07/29/23 09:00	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/27/23 14:28	07/29/23 09:00	1

Lab Sample ID: LCS 880-58665/1-A

Matrix: Solid

Analysis Batch: 58692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58665

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1067		mg/Kg		107	70 - 130
Toluene	0.100	0.1068		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.09689		mg/Kg		97	70 - 130
m,p-Xylenes	0.200	0.1872		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09546		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-58665/2-A

Matrix: Solid

Analysis Batch: 58692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58665

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09756		mg/Kg		98	70 - 130	9	35
Toluene	0.100	0.1028		mg/Kg		103	70 - 130	4	35
Ethylbenzene	0.100	0.09501		mg/Kg		95	70 - 130	2	35
m,p-Xylenes	0.200	0.1857		mg/Kg		93	70 - 130	1	35
o-Xylene	0.100	0.09466		mg/Kg		95	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-31008-21 MS

Matrix: Solid

Analysis Batch: 58692

Client Sample ID: C-21, 4.1'

Prep Type: Total/NA

Prep Batch: 58665

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.09346		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.0996	0.1006		mg/Kg		101	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.09258		mg/Kg		93	70 - 130
m,p-Xylenes	<0.00399	U	0.199	0.1806		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.0996	0.09150		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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

Lab Sample ID: 880-31008-21 MSD

Matrix: Solid

Analysis Batch: 58692

Client Sample ID: C-21, 4.1'

Prep Type: Total/NA

Prep Batch: 58665

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.1059		mg/Kg		107	70 - 130	12	35
Toluene	<0.00200	U	0.0994	0.1113		mg/Kg		112	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0994	0.09893		mg/Kg		100	70 - 130	7	35
m,p-Xylenes	<0.00399	U	0.199	0.1913		mg/Kg		96	70 - 130	6	35
o-Xylene	<0.00200	U	0.0994	0.09647		mg/Kg		97	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-58733/5-A

Matrix: Solid

Analysis Batch: 58692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58733

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/28/23 13:11	07/28/23 22:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/28/23 13:11	07/28/23 22:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/28/23 13:11	07/28/23 22:22	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/28/23 13:11	07/28/23 22:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/28/23 13:11	07/28/23 22:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/28/23 13:11	07/28/23 22:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/28/23 13:11	07/28/23 22:22	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/28/23 13:11	07/28/23 22:22	1

Lab Sample ID: MB 880-58734/5-A

Matrix: Solid

Analysis Batch: 58691

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58734

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/28/23 13:19	07/28/23 23:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/28/23 13:19	07/28/23 23:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/28/23 13:19	07/28/23 23:44	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/28/23 13:19	07/28/23 23:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/28/23 13:19	07/28/23 23:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/28/23 13:19	07/28/23 23:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/28/23 13:19	07/28/23 23:44	1
1,4-Difluorobenzene (Surr)	127		70 - 130	07/28/23 13:19	07/28/23 23:44	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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

Lab Sample ID: MB 880-58928/1-A

Matrix: Solid

Analysis Batch: 59162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58928

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		07/31/23 16:14	08/04/23 04:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/31/23 16:14	08/04/23 04:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/23 16:14	08/04/23 04:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	188	S1+	70 - 130	07/31/23 16:14	08/04/23 04:53	1
o-Terphenyl (Surr)	165	S1+	70 - 130	07/31/23 16:14	08/04/23 04:53	1

Lab Sample ID: LCS 880-58928/2-A

Matrix: Solid

Analysis Batch: 59162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	890.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	870.7		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	88		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-58928/3-A

Matrix: Solid

Analysis Batch: 59162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58928

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	907.5		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1029		mg/Kg		103	70 - 130	17	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: 880-31008-1 MS

Matrix: Solid

Analysis Batch: 59162

Client Sample ID: C-1 0-4.1'

Prep Type: Total/NA

Prep Batch: 58928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	995	909.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U F1	995	1234		mg/Kg		119	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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

Lab Sample ID: 880-31008-1 MS

Matrix: Solid

Analysis Batch: 59162

Client Sample ID: C-1 0-4.1'

Prep Type: Total/NA

Prep Batch: 58928

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	122		70 - 130
o-Terphenyl (Surr)	94		70 - 130

Lab Sample ID: 880-31008-1 MSD

Matrix: Solid

Analysis Batch: 59162

Client Sample ID: C-1 0-4.1'

Prep Type: Total/NA

Prep Batch: 58928

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	<50.3	U	992	1105		mg/Kg		108	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<50.3	U F1	992	1407	F1	mg/Kg		137	70 - 130	13	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	139	S1+	70 - 130
o-Terphenyl (Surr)	106		70 - 130

Lab Sample ID: MB 880-58930/1-A

Matrix: Solid

Analysis Batch: 59168

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58930

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		07/31/23 16:19	08/04/23 05:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		07/31/23 16:19	08/04/23 05:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		07/31/23 16:19	08/04/23 05:40	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	127		70 - 130	07/31/23 16:19	08/04/23 05:40	1
o-Terphenyl (Surr)	128		70 - 130	07/31/23 16:19	08/04/23 05:40	1

Lab Sample ID: LCS 880-58930/2-A

Matrix: Solid

Analysis Batch: 59168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	744.3		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	1000	919.7		mg/Kg		92	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	105		70 - 130
o-Terphenyl (Surr)	93		70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-58930/3-A

Matrix: Solid

Analysis Batch: 59168

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58930

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	777.8		mg/Kg		78	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	941.8		mg/Kg		94	70 - 130	2	20
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	92		70 - 130						
o-Terphenyl (Surr)	82		70 - 130						

Lab Sample ID: 880-31008-21 MS

Matrix: Solid

Analysis Batch: 59168

Client Sample ID: C-21, 4.1'

Prep Type: Total/NA

Prep Batch: 58930

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	<50.2	U	1000	881.9		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	144		1000	1235		mg/Kg		109	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	105		70 - 130								
o-Terphenyl (Surr)	93		70 - 130								

Lab Sample ID: 880-31008-21 MSD

Matrix: Solid

Analysis Batch: 59168

Client Sample ID: C-21, 4.1'

Prep Type: Total/NA

Prep Batch: 58930

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	<50.2	U	1000	816.3		mg/Kg		79	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	144		1000	1091		mg/Kg		95	70 - 130	12	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	92		70 - 130								
o-Terphenyl (Surr)	81		70 - 130								

Lab Sample ID: MB 880-59080/1-A

Matrix: Solid

Analysis Batch: 59289

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59080

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		08/02/23 08:56	08/04/23 10:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/02/23 08:56	08/04/23 10:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/02/23 08:56	08/04/23 10:36	1

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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

Lab Sample ID: MB 880-59080/1-A

Matrix: Solid

Analysis Batch: 59289

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59080

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane (Surr)	133	S1+	70 - 130	08/02/23 08:56	08/04/23 10:36	1			
o-Terphenyl (Surr)	125		70 - 130	08/02/23 08:56	08/04/23 10:36	1			

Lab Sample ID: LCS 880-59080/2-A

Matrix: Solid

Analysis Batch: 59289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59080

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	981.8		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	980.8		mg/Kg		98	70 - 130		

Surrogate	LCS	LCS							
	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	94		70 - 130						
o-Terphenyl (Surr)	100		70 - 130						

Lab Sample ID: LCSD 880-59080/3-A

Matrix: Solid

Analysis Batch: 59289

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59080

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10		1000	954.1		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)		1000	930.5		mg/Kg		93	70 - 130	5	20

Surrogate	LCSD	LCSD								
	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	91		70 - 130							
o-Terphenyl (Surr)	107		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58218/1-A

Matrix: Solid

Analysis Batch: 58289

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	mg/Kg			07/22/23 07:06	1	

Lab Sample ID: LCS 880-58218/2-A

Matrix: Solid

Analysis Batch: 58289

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride		250	239.7		mg/Kg		96	90 - 110		

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-58218/3-A

Matrix: Solid

Analysis Batch: 58289

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	265.8		mg/Kg		106	90 - 110	10	20

Lab Sample ID: MB 880-58214/1-A

Matrix: Solid

Analysis Batch: 58388

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/24/23 16:46	1

Lab Sample ID: LCS 880-58214/2-A

Matrix: Solid

Analysis Batch: 58388

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-58214/3-A

Matrix: Solid

Analysis Batch: 58388

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	245.2		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-31008-1 MS

Matrix: Solid

Analysis Batch: 58388

Client Sample ID: C-1 0-4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	920	F1	250	1143	F1	mg/Kg		89	90 - 110

Lab Sample ID: 880-31008-1 MSD

Matrix: Solid

Analysis Batch: 58388

Client Sample ID: C-1 0-4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	920	F1	250	1148		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-31008-11 MS

Matrix: Solid

Analysis Batch: 58388

Client Sample ID: C-11, 4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5430	F1	2480	8234	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-31008-11 MSD

Matrix: Solid

Analysis Batch: 58388

Client Sample ID: C-11, 4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5430	F1	2480	8216	F1	mg/Kg		113	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58213/1-A

Matrix: Solid

Analysis Batch: 58391

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/24/23 19:40	1

Lab Sample ID: LCS 880-58213/2-A

Matrix: Solid

Analysis Batch: 58391

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.2		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-58213/3-A

Matrix: Solid

Analysis Batch: 58391

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	244.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-31008-21 MS

Matrix: Solid

Analysis Batch: 58391

Client Sample ID: C-21, 4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	598		250	843.6		mg/Kg		99	90 - 110

Lab Sample ID: 880-31008-21 MSD

Matrix: Solid

Analysis Batch: 58391

Client Sample ID: C-21, 4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	598		250	843.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-31008-31 MS

Matrix: Solid

Analysis Batch: 58391

Client Sample ID: C-31, 4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	213		250	473.8		mg/Kg		104	90 - 110

Lab Sample ID: 880-31008-31 MSD

Matrix: Solid

Analysis Batch: 58391

Client Sample ID: C-31, 4.1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	213		250	473.7		mg/Kg		104	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

GC VOA

Analysis Batch: 58625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-33	C-33, 4.1'	Total/NA	Solid	8021B	58657
880-31008-34	C-34, 4.1'	Total/NA	Solid	8021B	58657
880-31008-35	C-35, 4.1'	Total/NA	Solid	8021B	58657
880-31008-36	C-36, 4.1'	Total/NA	Solid	8021B	58657
880-31008-37	C-37, 4.1'	Total/NA	Solid	8021B	58657
880-31008-38	C-38, 4.1'	Total/NA	Solid	8021B	58657
880-31008-39	C-39, 4.1'	Total/NA	Solid	8021B	58657
880-31008-40	C-40, 4.1'	Total/NA	Solid	8021B	58657
880-31008-41	C-41, 4.1'	Total/NA	Solid	8021B	58657
880-31008-42	C-42, 4.1'	Total/NA	Solid	8021B	58657
880-31008-43	C-43, 4.1'	Total/NA	Solid	8021B	58657
MB 880-58635/5-A	Method Blank	Total/NA	Solid	8021B	58635
MB 880-58657/5-A	Method Blank	Total/NA	Solid	8021B	58657
LCS 880-58657/1-A	Lab Control Sample	Total/NA	Solid	8021B	58657
LCSD 880-58657/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58657

Prep Batch: 58635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-58635/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 58657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-33	C-33, 4.1'	Total/NA	Solid	5035	
880-31008-34	C-34, 4.1'	Total/NA	Solid	5035	
880-31008-35	C-35, 4.1'	Total/NA	Solid	5035	
880-31008-36	C-36, 4.1'	Total/NA	Solid	5035	
880-31008-37	C-37, 4.1'	Total/NA	Solid	5035	
880-31008-38	C-38, 4.1'	Total/NA	Solid	5035	
880-31008-39	C-39, 4.1'	Total/NA	Solid	5035	
880-31008-40	C-40, 4.1'	Total/NA	Solid	5035	
880-31008-41	C-41, 4.1'	Total/NA	Solid	5035	
880-31008-42	C-42, 4.1'	Total/NA	Solid	5035	
880-31008-43	C-43, 4.1'	Total/NA	Solid	5035	
MB 880-58657/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58657/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58657/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 58658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-1	C-1 0-4.1'	Total/NA	Solid	5035	
880-31008-2	C-2 0-4.1'	Total/NA	Solid	5035	
880-31008-3	C-3 0-4.1'	Total/NA	Solid	5035	
880-31008-4	C-4 0-4.1'	Total/NA	Solid	5035	
880-31008-5	C-5 0-4.1'	Total/NA	Solid	5035	
880-31008-6	C-6 0-4.1'	Total/NA	Solid	5035	
880-31008-7	C-7, 4.1'	Total/NA	Solid	5035	
880-31008-8	C-8, 4.1'	Total/NA	Solid	5035	
880-31008-9	C-9, 4.1'	Total/NA	Solid	5035	
880-31008-10	C-10, 4.1'	Total/NA	Solid	5035	
880-31008-11	C-11, 4.1'	Total/NA	Solid	5035	
880-31008-12	C-12, 4.1'	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

GC VOA (Continued)

Prep Batch: 58658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-13	C-13, 4.1'	Total/NA	Solid	5035	
880-31008-14	C-14, 4.1'	Total/NA	Solid	5035	
880-31008-15	C-15, 4.1'	Total/NA	Solid	5035	
880-31008-16	C-16, 4.1'	Total/NA	Solid	5035	
880-31008-17	C-17, 4.1'	Total/NA	Solid	5035	
880-31008-18	C-18, 4.1'	Total/NA	Solid	5035	
880-31008-19	C-19, 4.1'	Total/NA	Solid	5035	
880-31008-20	C-20, 4.1'	Total/NA	Solid	5035	
MB 880-58658/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58658/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58658/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31008-1 MS	C-1 0-4.1'	Total/NA	Solid	5035	
880-31008-1 MSD	C-1 0-4.1'	Total/NA	Solid	5035	

Prep Batch: 58665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-21	C-21, 4.1'	Total/NA	Solid	5035	
880-31008-22	C-22, 4.1'	Total/NA	Solid	5035	
880-31008-23	C-23, 4.1'	Total/NA	Solid	5035	
880-31008-24	C-24, 4.1'	Total/NA	Solid	5035	
880-31008-25	C-25, 4.1'	Total/NA	Solid	5035	
880-31008-26	C-26, 4.1'	Total/NA	Solid	5035	
880-31008-27	C-27, 4.1'	Total/NA	Solid	5035	
880-31008-28	C-28, 4.1'	Total/NA	Solid	5035	
880-31008-29	C-29, 4.1'	Total/NA	Solid	5035	
880-31008-30	C-30, 4.1'	Total/NA	Solid	5035	
880-31008-31	C-31, 4.1'	Total/NA	Solid	5035	
880-31008-32	C-32, 4.1'	Total/NA	Solid	5035	
MB 880-58665/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58665/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58665/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31008-21 MS	C-21, 4.1'	Total/NA	Solid	5035	
880-31008-21 MSD	C-21, 4.1'	Total/NA	Solid	5035	

Analysis Batch: 58691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-1	C-1 0-4.1'	Total/NA	Solid	8021B	58658
880-31008-2	C-2 0-4.1'	Total/NA	Solid	8021B	58658
880-31008-3	C-3 0-4.1'	Total/NA	Solid	8021B	58658
880-31008-4	C-4 0-4.1'	Total/NA	Solid	8021B	58658
880-31008-5	C-5 0-4.1'	Total/NA	Solid	8021B	58658
880-31008-6	C-6 0-4.1'	Total/NA	Solid	8021B	58658
880-31008-7	C-7, 4.1'	Total/NA	Solid	8021B	58658
880-31008-8	C-8, 4.1'	Total/NA	Solid	8021B	58658
880-31008-9	C-9, 4.1'	Total/NA	Solid	8021B	58658
880-31008-10	C-10, 4.1'	Total/NA	Solid	8021B	58658
880-31008-11	C-11, 4.1'	Total/NA	Solid	8021B	58658
880-31008-12	C-12, 4.1'	Total/NA	Solid	8021B	58658
880-31008-13	C-13, 4.1'	Total/NA	Solid	8021B	58658
880-31008-14	C-14, 4.1'	Total/NA	Solid	8021B	58658
880-31008-15	C-15, 4.1'	Total/NA	Solid	8021B	58658

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

GC VOA (Continued)

Analysis Batch: 58691 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-16	C-16, 4.1'	Total/NA	Solid	8021B	58658
880-31008-17	C-17, 4.1'	Total/NA	Solid	8021B	58658
880-31008-18	C-18, 4.1'	Total/NA	Solid	8021B	58658
880-31008-19	C-19, 4.1'	Total/NA	Solid	8021B	58658
880-31008-20	C-20, 4.1'	Total/NA	Solid	8021B	58658
MB 880-58658/5-A	Method Blank	Total/NA	Solid	8021B	58658
MB 880-58734/5-A	Method Blank	Total/NA	Solid	8021B	58734
LCS 880-58658/1-A	Lab Control Sample	Total/NA	Solid	8021B	58658
LCSD 880-58658/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58658
880-31008-1 MS	C-1 0-4.1'	Total/NA	Solid	8021B	58658
880-31008-1 MSD	C-1 0-4.1'	Total/NA	Solid	8021B	58658

Analysis Batch: 58692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-21	C-21, 4.1'	Total/NA	Solid	8021B	58665
880-31008-22	C-22, 4.1'	Total/NA	Solid	8021B	58665
880-31008-23	C-23, 4.1'	Total/NA	Solid	8021B	58665
880-31008-24	C-24, 4.1'	Total/NA	Solid	8021B	58665
880-31008-25	C-25, 4.1'	Total/NA	Solid	8021B	58665
880-31008-26	C-26, 4.1'	Total/NA	Solid	8021B	58665
880-31008-27	C-27, 4.1'	Total/NA	Solid	8021B	58665
880-31008-28	C-28, 4.1'	Total/NA	Solid	8021B	58665
880-31008-29	C-29, 4.1'	Total/NA	Solid	8021B	58665
880-31008-30	C-30, 4.1'	Total/NA	Solid	8021B	58665
880-31008-31	C-31, 4.1'	Total/NA	Solid	8021B	58665
880-31008-32	C-32, 4.1'	Total/NA	Solid	8021B	58665
MB 880-58665/5-A	Method Blank	Total/NA	Solid	8021B	58665
MB 880-58733/5-A	Method Blank	Total/NA	Solid	8021B	58733
LCS 880-58665/1-A	Lab Control Sample	Total/NA	Solid	8021B	58665
LCSD 880-58665/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58665
880-31008-21 MS	C-21, 4.1'	Total/NA	Solid	8021B	58665
880-31008-21 MSD	C-21, 4.1'	Total/NA	Solid	8021B	58665

Analysis Batch: 58732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-1	C-1 0-4.1'	Total/NA	Solid	Total BTEX	
880-31008-2	C-2 0-4.1'	Total/NA	Solid	Total BTEX	
880-31008-3	C-3 0-4.1'	Total/NA	Solid	Total BTEX	
880-31008-4	C-4 0-4.1'	Total/NA	Solid	Total BTEX	
880-31008-5	C-5 0-4.1'	Total/NA	Solid	Total BTEX	
880-31008-6	C-6 0-4.1'	Total/NA	Solid	Total BTEX	
880-31008-7	C-7, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-8	C-8, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-9	C-9, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-10	C-10, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-11	C-11, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-12	C-12, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-13	C-13, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-14	C-14, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-15	C-15, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-16	C-16, 4.1'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

GC VOA (Continued)

Analysis Batch: 58732 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-17	C-17, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-18	C-18, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-19	C-19, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-20	C-20, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-21	C-21, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-22	C-22, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-23	C-23, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-24	C-24, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-25	C-25, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-26	C-26, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-27	C-27, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-28	C-28, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-29	C-29, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-30	C-30, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-31	C-31, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-32	C-32, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-33	C-33, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-34	C-34, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-35	C-35, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-36	C-36, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-37	C-37, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-38	C-38, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-39	C-39, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-40	C-40, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-41	C-41, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-42	C-42, 4.1'	Total/NA	Solid	Total BTEX	
880-31008-43	C-43, 4.1'	Total/NA	Solid	Total BTEX	

Prep Batch: 58733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-58733/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 58734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-58734/5-A	Method Blank	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 58928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-1	C-1 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31008-2	C-2 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31008-3	C-3 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31008-4	C-4 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31008-5	C-5 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31008-6	C-6 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31008-7	C-7, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-8	C-8, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-9	C-9, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-10	C-10, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-11	C-11, 4.1'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Prep Batch: 58928 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-12	C-12, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-13	C-13, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-14	C-14, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-15	C-15, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-16	C-16, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-17	C-17, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-18	C-18, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-19	C-19, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-20	C-20, 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-58928/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58928/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58928/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31008-1 MS	C-1 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31008-1 MSD	C-1 0-4.1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 58930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-21	C-21, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-22	C-22, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-23	C-23, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-24	C-24, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-25	C-25, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-26	C-26, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-27	C-27, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-28	C-28, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-29	C-29, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-30	C-30, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-31	C-31, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-32	C-32, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-33	C-33, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-34	C-34, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-35	C-35, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-36	C-36, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-37	C-37, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-38	C-38, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-39	C-39, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-40	C-40, 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-58930/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-58930/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-58930/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31008-21 MS	C-21, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-21 MSD	C-21, 4.1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 59080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-41	C-41, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-42	C-42, 4.1'	Total/NA	Solid	8015NM Prep	
880-31008-43	C-43, 4.1'	Total/NA	Solid	8015NM Prep	
MB 880-59080/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59080/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59080/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

GC Semi VOA

Analysis Batch: 59162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-1	C-1 0-4.1'	Total/NA	Solid	8015B NM	58928
880-31008-2	C-2 0-4.1'	Total/NA	Solid	8015B NM	58928
880-31008-3	C-3 0-4.1'	Total/NA	Solid	8015B NM	58928
880-31008-4	C-4 0-4.1'	Total/NA	Solid	8015B NM	58928
880-31008-5	C-5 0-4.1'	Total/NA	Solid	8015B NM	58928
880-31008-6	C-6 0-4.1'	Total/NA	Solid	8015B NM	58928
880-31008-7	C-7, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-8	C-8, 4.1'	Total/NA	Solid	8015B NM	58928
MB 880-58928/1-A	Method Blank	Total/NA	Solid	8015B NM	58928
LCS 880-58928/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58928
LCSD 880-58928/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58928
880-31008-1 MS	C-1 0-4.1'	Total/NA	Solid	8015B NM	58928
880-31008-1 MSD	C-1 0-4.1'	Total/NA	Solid	8015B NM	58928

Analysis Batch: 59164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-9	C-9, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-10	C-10, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-11	C-11, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-12	C-12, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-13	C-13, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-14	C-14, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-15	C-15, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-16	C-16, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-17	C-17, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-18	C-18, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-19	C-19, 4.1'	Total/NA	Solid	8015B NM	58928
880-31008-20	C-20, 4.1'	Total/NA	Solid	8015B NM	58928

Analysis Batch: 59167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-29	C-29, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-30	C-30, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-31	C-31, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-32	C-32, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-33	C-33, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-34	C-34, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-35	C-35, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-36	C-36, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-37	C-37, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-38	C-38, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-39	C-39, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-40	C-40, 4.1'	Total/NA	Solid	8015B NM	58930

Analysis Batch: 59168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-21	C-21, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-22	C-22, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-23	C-23, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-24	C-24, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-25	C-25, 4.1'	Total/NA	Solid	8015B NM	58930

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Analysis Batch: 59168 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-26	C-26, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-27	C-27, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-28	C-28, 4.1'	Total/NA	Solid	8015B NM	58930
MB 880-58930/1-A	Method Blank	Total/NA	Solid	8015B NM	58930
LCS 880-58930/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	58930
LCSD 880-58930/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	58930
880-31008-21 MS	C-21, 4.1'	Total/NA	Solid	8015B NM	58930
880-31008-21 MSD	C-21, 4.1'	Total/NA	Solid	8015B NM	58930

Analysis Batch: 59289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-41	C-41, 4.1'	Total/NA	Solid	8015B NM	59080
880-31008-42	C-42, 4.1'	Total/NA	Solid	8015B NM	59080
880-31008-43	C-43, 4.1'	Total/NA	Solid	8015B NM	59080
MB 880-59080/1-A	Method Blank	Total/NA	Solid	8015B NM	59080
LCS 880-59080/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59080
LCSD 880-59080/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59080

Analysis Batch: 59338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-1	C-1 0-4.1'	Total/NA	Solid	8015 NM	
880-31008-2	C-2 0-4.1'	Total/NA	Solid	8015 NM	
880-31008-3	C-3 0-4.1'	Total/NA	Solid	8015 NM	
880-31008-4	C-4 0-4.1'	Total/NA	Solid	8015 NM	
880-31008-5	C-5 0-4.1'	Total/NA	Solid	8015 NM	
880-31008-6	C-6 0-4.1'	Total/NA	Solid	8015 NM	
880-31008-7	C-7, 4.1'	Total/NA	Solid	8015 NM	
880-31008-8	C-8, 4.1'	Total/NA	Solid	8015 NM	
880-31008-9	C-9, 4.1'	Total/NA	Solid	8015 NM	
880-31008-10	C-10, 4.1'	Total/NA	Solid	8015 NM	
880-31008-11	C-11, 4.1'	Total/NA	Solid	8015 NM	
880-31008-12	C-12, 4.1'	Total/NA	Solid	8015 NM	
880-31008-13	C-13, 4.1'	Total/NA	Solid	8015 NM	
880-31008-14	C-14, 4.1'	Total/NA	Solid	8015 NM	
880-31008-15	C-15, 4.1'	Total/NA	Solid	8015 NM	
880-31008-16	C-16, 4.1'	Total/NA	Solid	8015 NM	
880-31008-17	C-17, 4.1'	Total/NA	Solid	8015 NM	
880-31008-18	C-18, 4.1'	Total/NA	Solid	8015 NM	
880-31008-19	C-19, 4.1'	Total/NA	Solid	8015 NM	
880-31008-20	C-20, 4.1'	Total/NA	Solid	8015 NM	
880-31008-21	C-21, 4.1'	Total/NA	Solid	8015 NM	
880-31008-22	C-22, 4.1'	Total/NA	Solid	8015 NM	
880-31008-23	C-23, 4.1'	Total/NA	Solid	8015 NM	
880-31008-24	C-24, 4.1'	Total/NA	Solid	8015 NM	
880-31008-25	C-25, 4.1'	Total/NA	Solid	8015 NM	
880-31008-26	C-26, 4.1'	Total/NA	Solid	8015 NM	
880-31008-27	C-27, 4.1'	Total/NA	Solid	8015 NM	
880-31008-28	C-28, 4.1'	Total/NA	Solid	8015 NM	
880-31008-29	C-29, 4.1'	Total/NA	Solid	8015 NM	
880-31008-30	C-30, 4.1'	Total/NA	Solid	8015 NM	
880-31008-31	C-31, 4.1'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Analysis Batch: 59338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-32	C-32, 4.1'	Total/NA	Solid	8015 NM	
880-31008-33	C-33, 4.1'	Total/NA	Solid	8015 NM	
880-31008-34	C-34, 4.1'	Total/NA	Solid	8015 NM	
880-31008-35	C-35, 4.1'	Total/NA	Solid	8015 NM	
880-31008-36	C-36, 4.1'	Total/NA	Solid	8015 NM	
880-31008-37	C-37, 4.1'	Total/NA	Solid	8015 NM	
880-31008-38	C-38, 4.1'	Total/NA	Solid	8015 NM	
880-31008-39	C-39, 4.1'	Total/NA	Solid	8015 NM	
880-31008-40	C-40, 4.1'	Total/NA	Solid	8015 NM	
880-31008-41	C-41, 4.1'	Total/NA	Solid	8015 NM	
880-31008-42	C-42, 4.1'	Total/NA	Solid	8015 NM	
880-31008-43	C-43, 4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 58213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-21	C-21, 4.1'	Soluble	Solid	DI Leach	
880-31008-22	C-22, 4.1'	Soluble	Solid	DI Leach	
880-31008-23	C-23, 4.1'	Soluble	Solid	DI Leach	
880-31008-24	C-24, 4.1'	Soluble	Solid	DI Leach	
880-31008-25	C-25, 4.1'	Soluble	Solid	DI Leach	
880-31008-26	C-26, 4.1'	Soluble	Solid	DI Leach	
880-31008-27	C-27, 4.1'	Soluble	Solid	DI Leach	
880-31008-28	C-28, 4.1'	Soluble	Solid	DI Leach	
880-31008-29	C-29, 4.1'	Soluble	Solid	DI Leach	
880-31008-30	C-30, 4.1'	Soluble	Solid	DI Leach	
880-31008-31	C-31, 4.1'	Soluble	Solid	DI Leach	
880-31008-32	C-32, 4.1'	Soluble	Solid	DI Leach	
880-31008-33	C-33, 4.1'	Soluble	Solid	DI Leach	
880-31008-34	C-34, 4.1'	Soluble	Solid	DI Leach	
880-31008-35	C-35, 4.1'	Soluble	Solid	DI Leach	
880-31008-36	C-36, 4.1'	Soluble	Solid	DI Leach	
880-31008-37	C-37, 4.1'	Soluble	Solid	DI Leach	
880-31008-38	C-38, 4.1'	Soluble	Solid	DI Leach	
880-31008-39	C-39, 4.1'	Soluble	Solid	DI Leach	
880-31008-40	C-40, 4.1'	Soluble	Solid	DI Leach	
MB 880-58213/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58213/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58213/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31008-21 MS	C-21, 4.1'	Soluble	Solid	DI Leach	
880-31008-21 MSD	C-21, 4.1'	Soluble	Solid	DI Leach	
880-31008-31 MS	C-31, 4.1'	Soluble	Solid	DI Leach	
880-31008-31 MSD	C-31, 4.1'	Soluble	Solid	DI Leach	

Leach Batch: 58214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-1	C-1 0-4.1'	Soluble	Solid	DI Leach	
880-31008-2	C-2 0-4.1'	Soluble	Solid	DI Leach	
880-31008-3	C-3 0-4.1'	Soluble	Solid	DI Leach	
880-31008-4	C-4 0-4.1'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

HPLC/IC (Continued)

Leach Batch: 58214 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-5	C-5 0-4.1'	Soluble	Solid	DI Leach	
880-31008-6	C-6 0-4.1'	Soluble	Solid	DI Leach	
880-31008-7	C-7, 4.1'	Soluble	Solid	DI Leach	
880-31008-8	C-8, 4.1'	Soluble	Solid	DI Leach	
880-31008-9	C-9, 4.1'	Soluble	Solid	DI Leach	
880-31008-10	C-10, 4.1'	Soluble	Solid	DI Leach	
880-31008-11	C-11, 4.1'	Soluble	Solid	DI Leach	
880-31008-12	C-12, 4.1'	Soluble	Solid	DI Leach	
880-31008-13	C-13, 4.1'	Soluble	Solid	DI Leach	
880-31008-14	C-14, 4.1'	Soluble	Solid	DI Leach	
880-31008-15	C-15, 4.1'	Soluble	Solid	DI Leach	
880-31008-16	C-16, 4.1'	Soluble	Solid	DI Leach	
880-31008-17	C-17, 4.1'	Soluble	Solid	DI Leach	
880-31008-18	C-18, 4.1'	Soluble	Solid	DI Leach	
880-31008-19	C-19, 4.1'	Soluble	Solid	DI Leach	
880-31008-20	C-20, 4.1'	Soluble	Solid	DI Leach	
MB 880-58214/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58214/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58214/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31008-1 MS	C-1 0-4.1'	Soluble	Solid	DI Leach	
880-31008-1 MSD	C-1 0-4.1'	Soluble	Solid	DI Leach	
880-31008-11 MS	C-11, 4.1'	Soluble	Solid	DI Leach	
880-31008-11 MSD	C-11, 4.1'	Soluble	Solid	DI Leach	

Leach Batch: 58218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-41	C-41, 4.1'	Soluble	Solid	DI Leach	
880-31008-42	C-42, 4.1'	Soluble	Solid	DI Leach	
880-31008-43	C-43, 4.1'	Soluble	Solid	DI Leach	
MB 880-58218/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58218/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58218/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 58289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-41	C-41, 4.1'	Soluble	Solid	300.0	58218
880-31008-42	C-42, 4.1'	Soluble	Solid	300.0	58218
880-31008-43	C-43, 4.1'	Soluble	Solid	300.0	58218
MB 880-58218/1-A	Method Blank	Soluble	Solid	300.0	58218
LCS 880-58218/2-A	Lab Control Sample	Soluble	Solid	300.0	58218
LCSD 880-58218/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58218

Analysis Batch: 58388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-1	C-1 0-4.1'	Soluble	Solid	300.0	58214
880-31008-2	C-2 0-4.1'	Soluble	Solid	300.0	58214
880-31008-3	C-3 0-4.1'	Soluble	Solid	300.0	58214
880-31008-4	C-4 0-4.1'	Soluble	Solid	300.0	58214
880-31008-5	C-5 0-4.1'	Soluble	Solid	300.0	58214
880-31008-6	C-6 0-4.1'	Soluble	Solid	300.0	58214
880-31008-7	C-7, 4.1'	Soluble	Solid	300.0	58214

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

HPLC/IC (Continued)

Analysis Batch: 58388 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-8	C-8, 4.1'	Soluble	Solid	300.0	58214
880-31008-9	C-9, 4.1'	Soluble	Solid	300.0	58214
880-31008-10	C-10, 4.1'	Soluble	Solid	300.0	58214
880-31008-11	C-11, 4.1'	Soluble	Solid	300.0	58214
880-31008-12	C-12, 4.1'	Soluble	Solid	300.0	58214
880-31008-13	C-13, 4.1'	Soluble	Solid	300.0	58214
880-31008-14	C-14, 4.1'	Soluble	Solid	300.0	58214
880-31008-15	C-15, 4.1'	Soluble	Solid	300.0	58214
880-31008-16	C-16, 4.1'	Soluble	Solid	300.0	58214
880-31008-17	C-17, 4.1'	Soluble	Solid	300.0	58214
880-31008-18	C-18, 4.1'	Soluble	Solid	300.0	58214
880-31008-19	C-19, 4.1'	Soluble	Solid	300.0	58214
880-31008-20	C-20, 4.1'	Soluble	Solid	300.0	58214
MB 880-58214/1-A	Method Blank	Soluble	Solid	300.0	58214
LCS 880-58214/2-A	Lab Control Sample	Soluble	Solid	300.0	58214
LCSD 880-58214/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58214
880-31008-1 MS	C-1 0-4.1'	Soluble	Solid	300.0	58214
880-31008-1 MSD	C-1 0-4.1'	Soluble	Solid	300.0	58214
880-31008-11 MS	C-11, 4.1'	Soluble	Solid	300.0	58214
880-31008-11 MSD	C-11, 4.1'	Soluble	Solid	300.0	58214

Analysis Batch: 58391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31008-21	C-21, 4.1'	Soluble	Solid	300.0	58213
880-31008-22	C-22, 4.1'	Soluble	Solid	300.0	58213
880-31008-23	C-23, 4.1'	Soluble	Solid	300.0	58213
880-31008-24	C-24, 4.1'	Soluble	Solid	300.0	58213
880-31008-25	C-25, 4.1'	Soluble	Solid	300.0	58213
880-31008-26	C-26, 4.1'	Soluble	Solid	300.0	58213
880-31008-27	C-27, 4.1'	Soluble	Solid	300.0	58213
880-31008-28	C-28, 4.1'	Soluble	Solid	300.0	58213
880-31008-29	C-29, 4.1'	Soluble	Solid	300.0	58213
880-31008-30	C-30, 4.1'	Soluble	Solid	300.0	58213
880-31008-31	C-31, 4.1'	Soluble	Solid	300.0	58213
880-31008-32	C-32, 4.1'	Soluble	Solid	300.0	58213
880-31008-33	C-33, 4.1'	Soluble	Solid	300.0	58213
880-31008-34	C-34, 4.1'	Soluble	Solid	300.0	58213
880-31008-35	C-35, 4.1'	Soluble	Solid	300.0	58213
880-31008-36	C-36, 4.1'	Soluble	Solid	300.0	58213
880-31008-37	C-37, 4.1'	Soluble	Solid	300.0	58213
880-31008-38	C-38, 4.1'	Soluble	Solid	300.0	58213
880-31008-39	C-39, 4.1'	Soluble	Solid	300.0	58213
880-31008-40	C-40, 4.1'	Soluble	Solid	300.0	58213
MB 880-58213/1-A	Method Blank	Soluble	Solid	300.0	58213
LCS 880-58213/2-A	Lab Control Sample	Soluble	Solid	300.0	58213
LCSD 880-58213/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58213
880-31008-21 MS	C-21, 4.1'	Soluble	Solid	300.0	58213
880-31008-21 MSD	C-21, 4.1'	Soluble	Solid	300.0	58213
880-31008-31 MS	C-31, 4.1'	Soluble	Solid	300.0	58213
880-31008-31 MSD	C-31, 4.1'	Soluble	Solid	300.0	58213

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-1 0-4.1'**Lab Sample ID: 880-31008-1****Date Collected: 07/19/23 10:15****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 11:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59162	08/04/23 05:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1			58388	07/24/23 17:01	CH	EET MID

Client Sample ID: C-2 0-4.1'**Lab Sample ID: 880-31008-2****Date Collected: 07/19/23 10:20****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 12:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59162	08/04/23 07:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		5			58388	07/24/23 17:16	CH	EET MID

Client Sample ID: C-3 0-4.1'**Lab Sample ID: 880-31008-3****Date Collected: 07/19/23 10:25****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 12:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59162	08/04/23 07:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		5			58388	07/24/23 17:21	CH	EET MID

Client Sample ID: C-4 0-4.1'**Lab Sample ID: 880-31008-4****Date Collected: 07/19/23 10:30****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 12:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-4 0-4.1'**Lab Sample ID: 880-31008-4****Date Collected: 07/19/23 10:30****Matrix: Solid****Date Received: 07/20/23 09:45**

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			59338	08/04/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59162	08/04/23 07:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		5			58388	07/24/23 17:26	CH	EET MID

Client Sample ID: C-5 0-4.1'**Lab Sample ID: 880-31008-5****Date Collected: 07/19/23 10:35****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 13:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59162	08/04/23 08:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		5			58388	07/24/23 17:31	CH	EET MID

Client Sample ID: C-6 0-4.1'**Lab Sample ID: 880-31008-6****Date Collected: 07/19/23 10:40****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 13:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59162	08/04/23 08:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1			58388	07/24/23 17:46	CH	EET MID

Client Sample ID: C-7, 4.1'**Lab Sample ID: 880-31008-7****Date Collected: 07/19/23 10:45****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 13:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59162	08/04/23 08:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-7, 4.1'**Lab Sample ID: 880-31008-7****Date Collected: 07/19/23 10:45****Matrix: Solid****Date Received: 07/20/23 09:45**

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 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1			58388	07/24/23 17:51	CH	EET MID

Client Sample ID: C-8, 4.1'**Lab Sample ID: 880-31008-8****Date Collected: 07/19/23 10:50****Matrix: Solid****Date Received: 07/20/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 14:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59162	08/04/23 09:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		10			58388	07/24/23 17:56	CH	EET MID

Client Sample ID: C-9, 4.1'**Lab Sample ID: 880-31008-9****Date Collected: 07/19/23 10:55****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 14:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 04:53	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		10			58388	07/24/23 18:00	CH	EET MID

Client Sample ID: C-10, 4.1'**Lab Sample ID: 880-31008-10****Date Collected: 07/19/23 11:00****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 14:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 05:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		10			58388	07/24/23 18:05	CH	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-11, 4.1'**Lab Sample ID: 880-31008-11****Date Collected: 07/19/23 11:05****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 16:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 05:36	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		10			58388	07/24/23 18:10	CH	EET MID

Client Sample ID: C-12, 4.1'**Lab Sample ID: 880-31008-12****Date Collected: 07/19/23 11:10****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 17:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 05:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		10			58388	07/24/23 18:25	CH	EET MID

Client Sample ID: C-13, 4.1'**Lab Sample ID: 880-31008-13****Date Collected: 07/19/23 11:15****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 17:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 06:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		10			58388	07/24/23 18:30	CH	EET MID

Client Sample ID: C-14, 4.1'**Lab Sample ID: 880-31008-14****Date Collected: 07/19/23 11:20****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 17:46	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-14, 4.1'**Lab Sample ID: 880-31008-14****Date Collected: 07/19/23 11:20****Matrix: Solid****Date Received: 07/20/23 09:45**

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			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 06:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		5			58388	07/24/23 18:45	CH	EET MID

Client Sample ID: C-15, 4.1'**Lab Sample ID: 880-31008-15****Date Collected: 07/19/23 11:25****Matrix: Solid****Date Received: 07/20/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 18:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 07:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		5			58388	07/24/23 18:50	CH	EET MID

Client Sample ID: C-16, 4.1'**Lab Sample ID: 880-31008-16****Date Collected: 07/19/23 11:30****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 18:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 07:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1			58388	07/24/23 18:55	CH	EET MID

Client Sample ID: C-17, 4.1'**Lab Sample ID: 880-31008-17****Date Collected: 07/19/23 11:35****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 18:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 07:48	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-17, 4.1'**Lab Sample ID: 880-31008-17****Date Collected: 07/19/23 11:35****Matrix: Solid****Date Received: 07/20/23 09:45**

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 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1			58388	07/24/23 19:00	CH	EET MID

Client Sample ID: C-18, 4.1'**Lab Sample ID: 880-31008-18****Date Collected: 07/19/23 11:40****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 19:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 08:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		5			58388	07/24/23 19:05	CH	EET MID

Client Sample ID: C-19, 4.1'**Lab Sample ID: 880-31008-19****Date Collected: 07/19/23 11:45****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 19:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 08:33	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		5			58388	07/24/23 19:10	CH	EET MID

Client Sample ID: C-20, 4.1'**Lab Sample ID: 880-31008-20****Date Collected: 07/19/23 11:50****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58658	07/27/23 14:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58691	07/29/23 19:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 10:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58928	07/31/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59164	08/04/23 08:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	58214	07/21/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1			58388	07/24/23 19:15	CH	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-21, 4.1'**Lab Sample ID: 880-31008-21****Date Collected: 07/19/23 11:55****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 09:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59168	08/04/23 06:43	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 19:55	CH	EET MID

Client Sample ID: C-22, 4.1'**Lab Sample ID: 880-31008-22****Date Collected: 07/19/23 12:00****Matrix: Solid****Date Received: 07/20/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 09:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59168	08/04/23 07:51	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 20:10	CH	EET MID

Client Sample ID: C-23, 4.1'**Lab Sample ID: 880-31008-23****Date Collected: 07/19/23 12:05****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 10:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59168	08/04/23 08:14	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 20:15	CH	EET MID

Client Sample ID: C-24, 4.1'**Lab Sample ID: 880-31008-24****Date Collected: 07/19/23 12:10****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 10:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-24, 4.1'**Lab Sample ID: 880-31008-24****Date Collected: 07/19/23 12:10****Matrix: Solid****Date Received: 07/20/23 09:45**

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			59338	08/04/23 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59168	08/04/23 08:37	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 20:20	CH	EET MID

Client Sample ID: C-25, 4.1'**Lab Sample ID: 880-31008-25****Date Collected: 07/19/23 12:15****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 10:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59168	08/04/23 08:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 20:25	CH	EET MID

Client Sample ID: C-26, 4.1'**Lab Sample ID: 880-31008-26****Date Collected: 07/19/23 12:20****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 11:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59168	08/04/23 09:22	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 20:40	CH	EET MID

Client Sample ID: C-27, 4.1'**Lab Sample ID: 880-31008-27****Date Collected: 07/19/23 12:25****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 11:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59168	08/04/23 09:45	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-27, 4.1'**Lab Sample ID: 880-31008-27****Date Collected: 07/19/23 12:25****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 20:45	CH	EET MID

Client Sample ID: C-28, 4.1'**Lab Sample ID: 880-31008-28****Date Collected: 07/19/23 12:30****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 11:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59168	08/04/23 10:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 20:50	CH	EET MID

Client Sample ID: C-29, 4.1'**Lab Sample ID: 880-31008-29****Date Collected: 07/19/23 12:35****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 12:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 05:40	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 20:55	CH	EET MID

Client Sample ID: C-30, 4.1'**Lab Sample ID: 880-31008-30****Date Collected: 07/19/23 12:40****Matrix: Solid****Date Received: 07/20/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 12:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 06:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 21:00	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-31, 4.1'**Lab Sample ID: 880-31008-31****Date Collected: 07/19/23 12:45****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 13:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 06:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 21:05	CH	EET MID

Client Sample ID: C-32, 4.1'**Lab Sample ID: 880-31008-32****Date Collected: 07/19/23 12:50****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58665	07/27/23 14:28	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58692	07/29/23 14:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/31/23 09:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 06:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 21:20	CH	EET MID

Client Sample ID: C-33, 4.1'**Lab Sample ID: 880-31008-33****Date Collected: 07/19/23 12:55****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 01:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 07:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 21:25	CH	EET MID

Client Sample ID: C-34, 4.1'**Lab Sample ID: 880-31008-34****Date Collected: 07/19/23 13:00****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 01:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-34, 4.1'
Date Collected: 07/19/23 13:00
Date Received: 07/20/23 09:45

Lab Sample ID: 880-31008-34
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			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 07:29	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 21:40	CH	EET MID

Client Sample ID: C-35, 4.1'
Date Collected: 07/19/23 13:05
Date Received: 07/20/23 09:45

Lab Sample ID: 880-31008-35
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			4.98 g	5 mL	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 02:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 07:51	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 21:45	CH	EET MID

Client Sample ID: C-36, 4.1'
Date Collected: 07/19/23 13:10
Date Received: 07/20/23 09:45

Lab Sample ID: 880-31008-36
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	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 03:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 08:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 21:50	CH	EET MID

Client Sample ID: C-37, 4.1'
Date Collected: 07/19/23 13:15
Date Received: 07/20/23 09:45

Lab Sample ID: 880-31008-37
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	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 03:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 08:37	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-37, 4.1'**Lab Sample ID: 880-31008-37****Date Collected: 07/19/23 13:15****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 21:55	CH	EET MID

Client Sample ID: C-38, 4.1'**Lab Sample ID: 880-31008-38****Date Collected: 07/19/23 13:20****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 03:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 08:59	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 22:00	CH	EET MID

Client Sample ID: C-39, 4.1'**Lab Sample ID: 880-31008-39****Date Collected: 07/19/23 13:25****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 04:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 09:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 22:05	CH	EET MID

Client Sample ID: C-40, 4.1'**Lab Sample ID: 880-31008-40****Date Collected: 07/19/23 13:30****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 04:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 11:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	58930	07/31/23 16:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59167	08/04/23 09:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58213	07/21/23 09:33	KS	EET MID
Soluble	Analysis	300.0		1			58391	07/24/23 22:10	CH	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Client Sample ID: C-41, 4.1'**Lab Sample ID: 880-31008-41****Date Collected: 07/19/23 13:35****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 05:00	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 18:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59080	08/02/23 08:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59289	08/04/23 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58218	07/21/23 09:41	KS	EET MID
Soluble	Analysis	300.0		1			58289	07/22/23 09:30	CH	EET MID

Client Sample ID: C-42, 4.1'**Lab Sample ID: 880-31008-42****Date Collected: 07/19/23 13:40****Matrix: Solid****Date Received: 07/20/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 05:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 18:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59080	08/02/23 08:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59289	08/04/23 16:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58218	07/21/23 09:41	KS	EET MID
Soluble	Analysis	300.0		1			58289	07/22/23 09:35	CH	EET MID

Client Sample ID: C-43, 4.1'**Lab Sample ID: 880-31008-43****Date Collected: 07/19/23 13:45****Matrix: Solid****Date Received: 07/20/23 09:45**

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	58657	07/27/23 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58625	07/28/23 05:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			58732	07/28/23 13:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			59338	08/04/23 18:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59080	08/02/23 08:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59289	08/04/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58218	07/21/23 09:41	KS	EET MID
Soluble	Analysis	300.0		1			58289	07/22/23 09:40	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: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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	T104704400-23-26	06-30-24
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: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

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: SD 24 Fed P23

Job ID: 880-31008-1
SDG: 21-0100-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31008-1	C-1 0-4.1'	Solid	07/19/23 10:15	07/20/23 09:45
880-31008-2	C-2 0-4.1'	Solid	07/19/23 10:20	07/20/23 09:45
880-31008-3	C-3 0-4.1'	Solid	07/19/23 10:25	07/20/23 09:45
880-31008-4	C-4 0-4.1'	Solid	07/19/23 10:30	07/20/23 09:45
880-31008-5	C-5 0-4.1'	Solid	07/19/23 10:35	07/20/23 09:45
880-31008-6	C-6 0-4.1'	Solid	07/19/23 10:40	07/20/23 09:45
880-31008-7	C-7, 4.1'	Solid	07/19/23 10:45	07/20/23 09:45
880-31008-8	C-8, 4.1'	Solid	07/19/23 10:50	07/20/23 09:45
880-31008-9	C-9, 4.1'	Solid	07/19/23 10:55	07/20/23 09:45
880-31008-10	C-10, 4.1'	Solid	07/19/23 11:00	07/20/23 09:45
880-31008-11	C-11, 4.1'	Solid	07/19/23 11:05	07/20/23 09:45
880-31008-12	C-12, 4.1'	Solid	07/19/23 11:10	07/20/23 09:45
880-31008-13	C-13, 4.1'	Solid	07/19/23 11:15	07/20/23 09:45
880-31008-14	C-14, 4.1'	Solid	07/19/23 11:20	07/20/23 09:45
880-31008-15	C-15, 4.1'	Solid	07/19/23 11:25	07/20/23 09:45
880-31008-16	C-16, 4.1'	Solid	07/19/23 11:30	07/20/23 09:45
880-31008-17	C-17, 4.1'	Solid	07/19/23 11:35	07/20/23 09:45
880-31008-18	C-18, 4.1'	Solid	07/19/23 11:40	07/20/23 09:45
880-31008-19	C-19, 4.1'	Solid	07/19/23 11:45	07/20/23 09:45
880-31008-20	C-20, 4.1'	Solid	07/19/23 11:50	07/20/23 09:45
880-31008-21	C-21, 4.1'	Solid	07/19/23 11:55	07/20/23 09:45
880-31008-22	C-22, 4.1'	Solid	07/19/23 12:00	07/20/23 09:45
880-31008-23	C-23, 4.1'	Solid	07/19/23 12:05	07/20/23 09:45
880-31008-24	C-24, 4.1'	Solid	07/19/23 12:10	07/20/23 09:45
880-31008-25	C-25, 4.1'	Solid	07/19/23 12:15	07/20/23 09:45
880-31008-26	C-26, 4.1'	Solid	07/19/23 12:20	07/20/23 09:45
880-31008-27	C-27, 4.1'	Solid	07/19/23 12:25	07/20/23 09:45
880-31008-28	C-28, 4.1'	Solid	07/19/23 12:30	07/20/23 09:45
880-31008-29	C-29, 4.1'	Solid	07/19/23 12:35	07/20/23 09:45
880-31008-30	C-30, 4.1'	Solid	07/19/23 12:40	07/20/23 09:45
880-31008-31	C-31, 4.1'	Solid	07/19/23 12:45	07/20/23 09:45
880-31008-32	C-32, 4.1'	Solid	07/19/23 12:50	07/20/23 09:45
880-31008-33	C-33, 4.1'	Solid	07/19/23 12:55	07/20/23 09:45
880-31008-34	C-34, 4.1'	Solid	07/19/23 13:00	07/20/23 09:45
880-31008-35	C-35, 4.1'	Solid	07/19/23 13:05	07/20/23 09:45
880-31008-36	C-36, 4.1'	Solid	07/19/23 13:10	07/20/23 09:45
880-31008-37	C-37, 4.1'	Solid	07/19/23 13:15	07/20/23 09:45
880-31008-38	C-38, 4.1'	Solid	07/19/23 13:20	07/20/23 09:45
880-31008-39	C-39, 4.1'	Solid	07/19/23 13:25	07/20/23 09:45
880-31008-40	C-40, 4.1'	Solid	07/19/23 13:30	07/20/23 09:45
880-31008-41	C-41, 4.1'	Solid	07/19/23 13:35	07/20/23 09:45
880-31008-42	C-42, 4.1'	Solid	07/19/23 13:40	07/20/23 09:45
880-31008-43	C-43, 4.1'	Solid	07/19/23 13:45	07/20/23 09:45

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31008 No. 2754-
CHAIN-OF-CUSTODY (Rev. 12-13-80)

[illegible]

8/11/2023

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-31008-1

SDG Number: 21-0100-07

Login Number: 31008

List Number: 1

Creator: Rodriguez, Leticia

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: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 8/7/2023 2:40:03 PM

JOB DESCRIPTION

Salado Draw 24-23
SDG NUMBER 21-0100-07

JOB NUMBER

880-31085-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

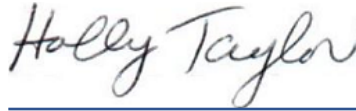
Eurofins Midland

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
8/7/2023 2:40:03 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Laboratory Job ID: 880-31085-1
SDG: 21-0100-07

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

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
F2	MS/MSD RPD exceeds control limits
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/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Job ID: 880-31085-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-31085-1
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Receipt

The samples were received on 7/24/2023 8:44 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 -3.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-49 1.5' (880-31085-1), C-50 1.5' (880-31085-2), C-51 1.5' (880-31085-3), C-52 1.5' (880-31085-4), C-53 1.5' (880-31085-5), C-54 1.5' (880-31085-6), C-55 1.5' (880-31085-7), C-56 0-1.5' (880-31085-8), C-57 0-1.5' (880-31085-9), C-58 2' (880-31085-10), C-59 2' (880-31085-11), C-60 2' (880-31085-12), C-61 2' (880-31085-13), C-62 2' (880-31085-14), C-63 0-2' (880-31085-15), C-44 0-4.1' (880-31085-16), C-45 0-4.1' (880-31085-17), C-46 0-4.1' (880-31085-18), C-47 0-4.1' (880-31085-19) and C-48 0-4.1' (880-31085-20).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-58816 and analytical batch 880-58803 was outside the upper control limits.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-59085 and analytical batch 880-59291 was outside control limits. Sample non-homogeneity is suspected.

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.

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-49 1.5'

Lab Sample ID: 880-31085-1

Date Collected: 07/21/23 06:40

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 00:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 00:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 00:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/31/23 09:26	08/01/23 00:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 00:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/31/23 09:26	08/01/23 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	07/31/23 09:26	08/01/23 00:29	1
1,4-Difluorobenzene (Surr)	111		70 - 130	07/31/23 09:26	08/01/23 00:29	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			08/01/23 09:51	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			08/04/23 18:53	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	<50.3	U F2	50.3	mg/Kg		08/02/23 09:18	08/04/23 13:10	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		08/02/23 09:18	08/04/23 13:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		08/02/23 09:18	08/04/23 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	08/02/23 09:18	08/04/23 13:10	1
o-Terphenyl (Surr)	102		70 - 130	08/02/23 09:18	08/04/23 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		5.04	mg/Kg			07/27/23 16:10	1

Client Sample ID: C-50 1.5'

Lab Sample ID: 880-31085-2

Date Collected: 07/21/23 06:45

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 00:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/31/23 09:26	08/01/23 00:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/31/23 09:26	08/01/23 00:49	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/31/23 09:26	08/01/23 00:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/31/23 09:26	08/01/23 00:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/31/23 09:26	08/01/23 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/31/23 09:26	08/01/23 00:49	1
1,4-Difluorobenzene (Surr)	113		70 - 130	07/31/23 09:26	08/01/23 00:49	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-50 1.5'

Lab Sample ID: 880-31085-2

Date Collected: 07/21/23 06:45

Matrix: Solid

Date Received: 07/24/23 08:44

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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/04/23 18:53	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	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 14:16	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 14:16	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 14:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			08/02/23 09:18	08/04/23 14:16	1
o-Terphenyl (Surr)	105		70 - 130			08/02/23 09:18	08/04/23 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.7		4.98	mg/Kg			07/27/23 16:31	1

Client Sample ID: C-51 1.5'

Lab Sample ID: 880-31085-3

Date Collected: 07/21/23 06:50

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 01:09	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 01:09	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 01:09	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		07/31/23 09:26	08/01/23 01:09	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 01:09	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/31/23 09:26	08/01/23 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			07/31/23 09:26	08/01/23 01:09	1
1,4-Difluorobenzene (Surr)	108		70 - 130			07/31/23 09:26	08/01/23 01:09	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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/04/23 18:53	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	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 14:39	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 14:39	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-51 1.5'

Lab Sample ID: 880-31085-3

Date Collected: 07/21/23 06:50

Matrix: Solid

Date Received: 07/24/23 08:44

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)	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 14:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			08/02/23 09:18	08/04/23 14:39	1
o-Terphenyl (Surr)	91		70 - 130			08/02/23 09:18	08/04/23 14:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.1		4.97	mg/Kg			07/27/23 16:38	1

Client Sample ID: C-52 1.5'

Lab Sample ID: 880-31085-4

Date Collected: 07/21/23 06:55

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 01:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 01:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 01:30	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/31/23 09:26	08/01/23 01:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 01:30	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/31/23 09:26	08/01/23 01:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			07/31/23 09:26	08/01/23 01:30	1
1,4-Difluorobenzene (Surr)	108		70 - 130			07/31/23 09:26	08/01/23 01:30	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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/04/23 18:53	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	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 15:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 15:01	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 15:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			08/02/23 09:18	08/04/23 15:01	1
o-Terphenyl (Surr)	97		70 - 130			08/02/23 09:18	08/04/23 15:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.9		5.03	mg/Kg			07/27/23 16:44	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-53 1.5'

Lab Sample ID: 880-31085-5

Date Collected: 07/21/23 07:00

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 01:50	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 01:50	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 01:50	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/31/23 09:26	08/01/23 01:50	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 01:50	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/31/23 09:26	08/01/23 01:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			07/31/23 09:26	08/01/23 01:50	1
1,4-Difluorobenzene (Surr)	111		70 - 130			07/31/23 09:26	08/01/23 01:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			08/01/23 09:51	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			08/04/23 18:53	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	<49.7	U	49.7	mg/Kg		08/02/23 09:18	08/04/23 15:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		08/02/23 09:18	08/04/23 15:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		08/02/23 09:18	08/04/23 15:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			08/02/23 09:18	08/04/23 15:23	1
o-Terphenyl (Surr)	111		70 - 130			08/02/23 09:18	08/04/23 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		5.00	mg/Kg			07/27/23 16:51	1

Client Sample ID: C-54 1.5'

Lab Sample ID: 880-31085-6

Date Collected: 07/21/23 07:05

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 02:11	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 02:11	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 02:11	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/31/23 09:26	08/01/23 02:11	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 02:11	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/31/23 09:26	08/01/23 02:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			07/31/23 09:26	08/01/23 02:11	1
1,4-Difluorobenzene (Surr)	111		70 - 130			07/31/23 09:26	08/01/23 02:11	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-54 1.5'

Lab Sample ID: 880-31085-6

Date Collected: 07/21/23 07:05

Matrix: Solid

Date Received: 07/24/23 08:44

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/01/23 09:51	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			08/04/23 18:53	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	<50.0	U	50.0	mg/Kg		08/02/23 09:18	08/04/23 15:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/02/23 09:18	08/04/23 15:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/02/23 09:18	08/04/23 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130			08/02/23 09:18	08/04/23 15:46	1
o-Terphenyl (Surr)	84		70 - 130			08/02/23 09:18	08/04/23 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		4.99	mg/Kg			07/27/23 17:12	1

Client Sample ID: C-55 1.5'

Lab Sample ID: 880-31085-7

Date Collected: 07/21/23 07:10

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 02:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 02:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 02:31	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		07/31/23 09:26	08/01/23 02:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 02:31	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		07/31/23 09:26	08/01/23 02:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			07/31/23 09:26	08/01/23 02:31	1
1,4-Difluorobenzene (Surr)	107		70 - 130			07/31/23 09:26	08/01/23 02:31	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			08/01/23 09:51	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			08/04/23 18:53	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	<50.3	U	50.3	mg/Kg		08/02/23 09:18	08/04/23 16:08	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		08/02/23 09:18	08/04/23 16:08	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-55 1.5'

Lab Sample ID: 880-31085-7

Date Collected: 07/21/23 07:10

Matrix: Solid

Date Received: 07/24/23 08:44

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		08/02/23 09:18	08/04/23 16:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			08/02/23 09:18	08/04/23 16:08	1
o-Terphenyl (Surr)	82		70 - 130			08/02/23 09:18	08/04/23 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		5.02	mg/Kg			07/27/23 17:19	1

Client Sample ID: C-56 0-1.5'

Lab Sample ID: 880-31085-8

Date Collected: 07/21/23 07:15

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 02:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 02:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 02:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/31/23 09:26	08/01/23 02:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 02:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/31/23 09:26	08/01/23 02:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			07/31/23 09:26	08/01/23 02:52	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/31/23 09:26	08/01/23 02:52	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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/04/23 18:53	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	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 16:30	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 16:30	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			08/02/23 09:18	08/04/23 16:30	1
o-Terphenyl (Surr)	112		70 - 130			08/02/23 09:18	08/04/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.04	mg/Kg			07/27/23 17:26	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-57 0-1.5'

Lab Sample ID: 880-31085-9

Date Collected: 07/21/23 07:20

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 03:12	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 03:12	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 03:12	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		07/31/23 09:26	08/01/23 03:12	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 03:12	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/31/23 09:26	08/01/23 03:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			07/31/23 09:26	08/01/23 03:12	1
1,4-Difluorobenzene (Surr)	107		70 - 130			07/31/23 09:26	08/01/23 03:12	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			08/01/23 09:51	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			08/04/23 18:53	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		08/02/23 09:18	08/04/23 16:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/02/23 09:18	08/04/23 16:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/02/23 09:18	08/04/23 16:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			08/02/23 09:18	08/04/23 16:53	1
o-Terphenyl (Surr)	109		70 - 130			08/02/23 09:18	08/04/23 16:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		4.96	mg/Kg			07/27/23 17:32	1

Client Sample ID: C-58 2'

Lab Sample ID: 880-31085-10

Date Collected: 07/21/23 07:50

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 03:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/31/23 09:26	08/01/23 03:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/31/23 09:26	08/01/23 03:32	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/31/23 09:26	08/01/23 03:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/31/23 09:26	08/01/23 03:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/31/23 09:26	08/01/23 03:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			07/31/23 09:26	08/01/23 03:32	1
1,4-Difluorobenzene (Surr)	106		70 - 130			07/31/23 09:26	08/01/23 03:32	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-58 2'

Lab Sample ID: 880-31085-10

Date Collected: 07/21/23 07:50

Matrix: Solid

Date Received: 07/24/23 08:44

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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/04/23 18:53	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	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 17:15	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 17:15	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 17:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			08/02/23 09:18	08/04/23 17:15	1
o-Terphenyl (Surr)	97		70 - 130			08/02/23 09:18	08/04/23 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	421		4.97	mg/Kg			07/27/23 17:39	1

Client Sample ID: C-59 2'

Lab Sample ID: 880-31085-11

Date Collected: 07/21/23 07:55

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 05:22	1
Toluene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 05:22	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 05:22	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		07/31/23 09:26	08/01/23 05:22	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 05:22	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		07/31/23 09:26	08/01/23 05:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130			07/31/23 09:26	08/01/23 05:22	1
1,4-Difluorobenzene (Surr)	101		70 - 130			07/31/23 09:26	08/01/23 05:22	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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/04/23 18:53	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	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 18:00	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 18:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-59 2'

Lab Sample ID: 880-31085-11

Date Collected: 07/21/23 07:55

Matrix: Solid

Date Received: 07/24/23 08:44

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)	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			08/02/23 09:18	08/04/23 18:00	1
o-Terphenyl (Surr)	93		70 - 130			08/02/23 09:18	08/04/23 18:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		5.03	mg/Kg			07/27/23 17:46	1

Client Sample ID: C-60 2'

Lab Sample ID: 880-31085-12

Date Collected: 07/21/23 08:00

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 05:43	1
Toluene	<0.00201	U	0.00201	mg/Kg		07/31/23 09:26	08/01/23 05:43	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		07/31/23 09:26	08/01/23 05:43	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		07/31/23 09:26	08/01/23 05:43	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		07/31/23 09:26	08/01/23 05:43	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		07/31/23 09:26	08/01/23 05:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130			07/31/23 09:26	08/01/23 05:43	1
1,4-Difluorobenzene (Surr)	112		70 - 130			07/31/23 09:26	08/01/23 05:43	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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/04/23 18:53	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	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 18:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 18:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 18:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			08/02/23 09:18	08/04/23 18:22	1
o-Terphenyl (Surr)	102		70 - 130			08/02/23 09:18	08/04/23 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.99	mg/Kg			07/27/23 18:07	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-61 2'

Lab Sample ID: 880-31085-13

Date Collected: 07/21/23 08:05

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 06:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 06:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 06:03	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		07/31/23 09:26	08/01/23 06:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 06:03	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		07/31/23 09:26	08/01/23 06:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			07/31/23 09:26	08/01/23 06:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130			07/31/23 09:26	08/01/23 06:03	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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/07/23 14:35	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	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 18:44	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 18:44	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			08/02/23 09:18	08/04/23 18:44	1
o-Terphenyl (Surr)	112		70 - 130			08/02/23 09:18	08/04/23 18:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		4.98	mg/Kg			07/27/23 18:14	1

Client Sample ID: C-62 2'

Lab Sample ID: 880-31085-14

Date Collected: 07/21/23 08:10

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 06:23	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 06:23	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 06:23	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/31/23 09:26	08/01/23 06:23	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 06:23	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/31/23 09:26	08/01/23 06:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			07/31/23 09:26	08/01/23 06:23	1
1,4-Difluorobenzene (Surr)	103		70 - 130			07/31/23 09:26	08/01/23 06:23	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-62 2'

Lab Sample ID: 880-31085-14

Date Collected: 07/21/23 08:10

Matrix: Solid

Date Received: 07/24/23 08:44

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/07/23 14:35	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	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 19:07	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 19:07	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			08/02/23 09:18	08/04/23 19:07	1
o-Terphenyl (Surr)	104		70 - 130			08/02/23 09:18	08/04/23 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.7		4.18	mg/Kg			07/27/23 18:34	1

Client Sample ID: C-63 0-2'

Lab Sample ID: 880-31085-15

Date Collected: 07/21/23 08:15

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 06:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 06:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 06:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/31/23 09:26	08/01/23 06:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 06:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/31/23 09:26	08/01/23 06:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			07/31/23 09:26	08/01/23 06:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130			07/31/23 09:26	08/01/23 06:44	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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/07/23 14:35	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	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 19:29	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 19:29	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-63 0-2'

Lab Sample ID: 880-31085-15

Date Collected: 07/21/23 08:15

Matrix: Solid

Date Received: 07/24/23 08:44

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)	<50.4	U	50.4	mg/Kg		08/02/23 09:18	08/04/23 19:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			08/02/23 09:18	08/04/23 19:29	1
o-Terphenyl (Surr)	104		70 - 130			08/02/23 09:18	08/04/23 19:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		5.01	mg/Kg			07/27/23 18:41	1

Client Sample ID: C-44 0-4.1'

Lab Sample ID: 880-31085-16

Date Collected: 07/20/23 07:00

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 07:04	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 07:04	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 07:04	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		07/31/23 09:26	08/01/23 07:04	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 07:04	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		07/31/23 09:26	08/01/23 07:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			07/31/23 09:26	08/01/23 07:04	1
1,4-Difluorobenzene (Surr)	107		70 - 130			07/31/23 09:26	08/01/23 07:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			08/07/23 14:35	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	<50.2	U	50.2	mg/Kg		08/02/23 09:18	08/04/23 19:50	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		08/02/23 09:18	08/04/23 19:50	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/02/23 09:18	08/04/23 19:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			08/02/23 09:18	08/04/23 19:50	1
o-Terphenyl (Surr)	111		70 - 130			08/02/23 09:18	08/04/23 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		5.00	mg/Kg			07/27/23 18:48	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-45 0-4.1'

Lab Sample ID: 880-31085-17

Date Collected: 07/20/23 07:05

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 07:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 07:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 07:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		07/31/23 09:26	08/01/23 07:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		07/31/23 09:26	08/01/23 07:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		07/31/23 09:26	08/01/23 07:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/31/23 09:26	08/01/23 07:25	1
1,4-Difluorobenzene (Surr)	107		70 - 130	07/31/23 09:26	08/01/23 07:25	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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			08/07/23 14:35	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	<50.2	U	50.2	mg/Kg		08/02/23 09:18	08/04/23 20:12	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		08/02/23 09:18	08/04/23 20:12	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/02/23 09:18	08/04/23 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	08/02/23 09:18	08/04/23 20:12	1
o-Terphenyl (Surr)	103		70 - 130	08/02/23 09:18	08/04/23 20:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471		5.00	mg/Kg			07/27/23 18:55	1

Client Sample ID: C-46 0-4.1'

Lab Sample ID: 880-31085-18

Date Collected: 07/20/23 07:10

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 07:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 07:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 07:45	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/31/23 09:26	08/01/23 07:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 07:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/31/23 09:26	08/01/23 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/31/23 09:26	08/01/23 07:45	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/31/23 09:26	08/01/23 07:45	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-46 0-4.1'

Lab Sample ID: 880-31085-18

Date Collected: 07/20/23 07:10

Matrix: Solid

Date Received: 07/24/23 08:44

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			08/01/23 09:51	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			08/07/23 14:35	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		08/02/23 09:18	08/04/23 20:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/02/23 09:18	08/04/23 20:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/02/23 09:18	08/04/23 20:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			08/02/23 09:18	08/04/23 20:35	1
o-Terphenyl (Surr)	103		70 - 130			08/02/23 09:18	08/04/23 20:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		4.98	mg/Kg			07/27/23 19:02	1

Client Sample ID: C-47 0-4.1'

Lab Sample ID: 880-31085-19

Date Collected: 07/20/23 07:15

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 08:06	1
Toluene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 08:06	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 08:06	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		07/31/23 09:26	08/01/23 08:06	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		07/31/23 09:26	08/01/23 08:06	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		07/31/23 09:26	08/01/23 08:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			07/31/23 09:26	08/01/23 08:06	1
1,4-Difluorobenzene (Surr)	104		70 - 130			07/31/23 09:26	08/01/23 08:06	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			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/07/23 14:35	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	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 20:57	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 20:57	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-47 0-4.1'

Lab Sample ID: 880-31085-19

Date Collected: 07/20/23 07:15

Matrix: Solid

Date Received: 07/24/23 08:44

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)	<49.6	U	49.6	mg/Kg		08/02/23 09:18	08/04/23 20:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			08/02/23 09:18	08/04/23 20:57	1
o-Terphenyl (Surr)	116		70 - 130			08/02/23 09:18	08/04/23 20:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		4.99	mg/Kg			07/27/23 19:08	1

Client Sample ID: C-48 0-4.1'

Lab Sample ID: 880-31085-20

Date Collected: 07/20/23 07:20

Matrix: Solid

Date Received: 07/24/23 08:44

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		07/31/23 09:26	08/01/23 08:26	1
Toluene	0.00236		0.00202	mg/Kg		07/31/23 09:26	08/01/23 08:26	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 08:26	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		07/31/23 09:26	08/01/23 08:26	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		07/31/23 09:26	08/01/23 08:26	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		07/31/23 09:26	08/01/23 08:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			07/31/23 09:26	08/01/23 08:26	1
1,4-Difluorobenzene (Surr)	106		70 - 130			07/31/23 09:26	08/01/23 08:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/01/23 09:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/07/23 14:35	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	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 21:19	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 21:19	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/02/23 09:18	08/04/23 21:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130			08/02/23 09:18	08/04/23 21:19	1
o-Terphenyl (Surr)	108		70 - 130			08/02/23 09:18	08/04/23 21:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.96	mg/Kg			07/27/23 19:15	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

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)				
880-31085-1	C-49 1.5'	76	111				
880-31085-1 MS	C-49 1.5'	96	102				
880-31085-1 MSD	C-49 1.5'	90	96				
880-31085-2	C-50 1.5'	90	113				
880-31085-3	C-51 1.5'	86	108				
880-31085-4	C-52 1.5'	97	108				
880-31085-5	C-53 1.5'	85	111				
880-31085-6	C-54 1.5'	91	111				
880-31085-7	C-55 1.5'	95	107				
880-31085-8	C-56 0-1.5'	84	104				
880-31085-9	C-57 0-1.5'	88	107				
880-31085-10	C-58 2'	82	106				
880-31085-11	C-59 2'	77	101				
880-31085-12	C-60 2'	83	112				
880-31085-13	C-61 2'	91	100				
880-31085-14	C-62 2'	92	103				
880-31085-15	C-63 0-2'	92	103				
880-31085-16	C-44 0-4.1'	98	107				
880-31085-17	C-45 0-4.1'	94	107				
880-31085-18	C-46 0-4.1'	102	103				
880-31085-19	C-47 0-4.1'	96	104				
880-31085-20	C-48 0-4.1'	93	106				
LCS 880-58816/1-A	Lab Control Sample	90	102				
LCSD 880-58816/2-A	Lab Control Sample Dup	90	103				
MB 880-58803/8	Method Blank	99	123				
MB 880-58816/5-A	Method Blank	100	132 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	OTPH1				
		(70-130)	(70-130)				
880-31085-1	C-49 1.5'	105	102				
880-31085-1 MS	C-49 1.5'	103	100				
880-31085-1 MSD	C-49 1.5'	107	103				
880-31085-2	C-50 1.5'	107	105				
880-31085-3	C-51 1.5'	92	91				
880-31085-4	C-52 1.5'	97	97				
880-31085-5	C-53 1.5'	114	111				
880-31085-6	C-54 1.5'	84	84				
880-31085-7	C-55 1.5'	82	82				
880-31085-8	C-56 0-1.5'	107	112				
880-31085-9	C-57 0-1.5'	106	109				
880-31085-10	C-58 2'	97	97				
880-31085-11	C-59 2'	94	93				

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

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)		
880-31085-12	C-60 2'	100	102		
880-31085-13	C-61 2'	112	112		
880-31085-14	C-62 2'	103	104		
880-31085-15	C-63 0-2'	102	104		
880-31085-16	C-44 0-4.1'	108	111		
880-31085-17	C-45 0-4.1'	98	103		
880-31085-18	C-46 0-4.1'	101	103		
880-31085-19	C-47 0-4.1'	116	116		
880-31085-20	C-48 0-4.1'	108	108		
LCS 880-59085/2-A	Lab Control Sample	89	101		
LCSD 880-59085/3-A	Lab Control Sample Dup	79	90		
MB 880-59085/1-A	Method Blank	104	114		
Surrogate Legend					
1CO = 1-Chlorooctane (Surr)					
OTPH = o-Terphenyl (Surr)					

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-58803/8

Matrix: Solid

Analysis Batch: 58803

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			07/31/23 12:22	1
Toluene	<0.00200	U	0.00200	mg/Kg			07/31/23 12:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			07/31/23 12:22	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg			07/31/23 12:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			07/31/23 12:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			07/31/23 12:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		07/31/23 12:22	1
1,4-Difluorobenzene (Surr)	123		70 - 130		07/31/23 12:22	1

Lab Sample ID: MB 880-58816/5-A

Matrix: Solid

Analysis Batch: 58803

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 58816

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 00:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 00:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 00:00	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		07/31/23 09:26	08/01/23 00:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		07/31/23 09:26	08/01/23 00:00	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		07/31/23 09:26	08/01/23 00:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/31/23 09:26	08/01/23 00:00	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130	07/31/23 09:26	08/01/23 00:00	1

Lab Sample ID: LCS 880-58816/1-A

Matrix: Solid

Analysis Batch: 58803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 58816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1005		mg/Kg		101	70 - 130
Toluene	0.100	0.1006		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09078		mg/Kg		91	70 - 130
m,p-Xylenes	0.200	0.2019		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09965		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-58816/2-A

Matrix: Solid

Analysis Batch: 58803

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 58816

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	0	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-58816/2-A
Matrix: Solid
Analysis Batch: 58803

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 58816

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.09958			mg/Kg		100	70 - 130	1	35
Ethylbenzene	0.100	0.09079			mg/Kg		91	70 - 130	0	35
m,p-Xylenes	0.200	0.1947			mg/Kg		97	70 - 130	4	35
o-Xylene	0.100	0.09560			mg/Kg		96	70 - 130	4	35
LCSD		LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	90		70 - 130							
1,4-Difluorobenzene (Surr)	103		70 - 130							

Lab Sample ID: 880-31085-1 MS
Matrix: Solid
Analysis Batch: 58803

Client Sample ID: C-49 1.5'
Prep Type: Total/NA
Prep Batch: 58816

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.00199	U	0.0996	0.09201		mg/Kg		92	70 - 130	
Toluene	<0.00199	U	0.0996	0.08844		mg/Kg		89	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.08296		mg/Kg		83	70 - 130	
m,p-Xylenes	<0.00398	U	0.199	0.1860		mg/Kg		93	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.09133		mg/Kg		91	70 - 130	
MS		MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	96		70 - 130							
1,4-Difluorobenzene (Surr)	102		70 - 130							

Lab Sample ID: 880-31085-1 MSD
Matrix: Solid
Analysis Batch: 58803

Client Sample ID: C-49 1.5'
Prep Type: Total/NA
Prep Batch: 58816

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Benzene	<0.00199	U	0.0998	0.09306		mg/Kg		93	70 - 130	1	35
Toluene	<0.00199	U	0.0998	0.09355		mg/Kg		94	70 - 130	6	35
Ethylbenzene	<0.00199	U	0.0998	0.08276		mg/Kg		83	70 - 130	0	35
m,p-Xylenes	<0.00398	U	0.200	0.1849		mg/Kg		93	70 - 130	1	35
o-Xylene	<0.00199	U	0.0998	0.09017		mg/Kg		90	70 - 130	1	35
MSD		MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	90		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

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

Lab Sample ID: MB 880-59085/1-A
Matrix: Solid
Analysis Batch: 59291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59085

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/02/23 09:17	08/04/23 10:36	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

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

Lab Sample ID: MB 880-59085/1-A
Matrix: Solid
Analysis Batch: 59291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59085

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/02/23 09:17	08/04/23 10:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/02/23 09:17	08/04/23 10:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	08/02/23 09:17	08/04/23 10:36	1
o-Terphenyl (Surr)	114		70 - 130	08/02/23 09:17	08/04/23 10:36	1

Lab Sample ID: LCS 880-59085/2-A
Matrix: Solid
Analysis Batch: 59291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	984.6		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	908.8		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	89		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-59085/3-A
Matrix: Solid
Analysis Batch: 59291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59085

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	872.4		mg/Kg		87	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	792.1		mg/Kg		79	70 - 130	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: 880-31085-1 MS
Matrix: Solid
Analysis Batch: 59291

Client Sample ID: C-49 1.5'
Prep Type: Total/NA
Prep Batch: 59085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U F2	992	1240		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	992	876.8		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenyl (Surr)	100		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

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

Lab Sample ID: 880-31085-1 MSD

Matrix: Solid

Analysis Batch: 59291

Client Sample ID: C-49 1.5'

Prep Type: Total/NA

Prep Batch: 59085

	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	<50.3	U F2	992	930.9	F2	mg/Kg		91	70 - 130	29	20
Diesel Range Organics (Over C10-C28)	<50.3	U	992	909.2		mg/Kg		92	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	107		70 - 130								
o-Terphenyl (Surr)	103		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58437/1-A

Matrix: Solid

Analysis Batch: 58577

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<5.00	U	5.00	mg/Kg			07/27/23 15:50	1

Lab Sample ID: LCS 880-58437/2-A

Matrix: Solid

Analysis Batch: 58577

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.9		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-58437/3-A

Matrix: Solid

Analysis Batch: 58577

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits	RPD	Limits	RPD
Chloride	250	242.1		mg/Kg		97	90 - 110	0		20

Lab Sample ID: 880-31085-1 MS

Matrix: Solid

Analysis Batch: 58577

Client Sample ID: C-49 1.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	174		252	412.2		mg/Kg		94	90 - 110

Lab Sample ID: 880-31085-1 MSD

Matrix: Solid

Analysis Batch: 58577

Client Sample ID: C-49 1.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	174		252	415.6		mg/Kg		96	90 - 110	1	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-31085-11 MS										Client Sample ID: C-59 2'		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 58577												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	154		252	418.4		mg/Kg		105	90 - 110			

Lab Sample ID: 880-31085-11 MSD										Client Sample ID: C-59 2'		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 58577												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	154		252	417.5		mg/Kg		105	90 - 110	0	20	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

GC VOA

Analysis Batch: 58803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-1	C-49 1.5'	Total/NA	Solid	8021B	58816
880-31085-2	C-50 1.5'	Total/NA	Solid	8021B	58816
880-31085-3	C-51 1.5'	Total/NA	Solid	8021B	58816
880-31085-4	C-52 1.5'	Total/NA	Solid	8021B	58816
880-31085-5	C-53 1.5'	Total/NA	Solid	8021B	58816
880-31085-6	C-54 1.5'	Total/NA	Solid	8021B	58816
880-31085-7	C-55 1.5'	Total/NA	Solid	8021B	58816
880-31085-8	C-56 0-1.5'	Total/NA	Solid	8021B	58816
880-31085-9	C-57 0-1.5'	Total/NA	Solid	8021B	58816
880-31085-10	C-58 2'	Total/NA	Solid	8021B	58816
880-31085-11	C-59 2'	Total/NA	Solid	8021B	58816
880-31085-12	C-60 2'	Total/NA	Solid	8021B	58816
880-31085-13	C-61 2'	Total/NA	Solid	8021B	58816
880-31085-14	C-62 2'	Total/NA	Solid	8021B	58816
880-31085-15	C-63 0-2'	Total/NA	Solid	8021B	58816
880-31085-16	C-44 0-4.1'	Total/NA	Solid	8021B	58816
880-31085-17	C-45 0-4.1'	Total/NA	Solid	8021B	58816
880-31085-18	C-46 0-4.1'	Total/NA	Solid	8021B	58816
880-31085-19	C-47 0-4.1'	Total/NA	Solid	8021B	58816
880-31085-20	C-48 0-4.1'	Total/NA	Solid	8021B	58816
MB 880-58803/8	Method Blank	Total/NA	Solid	8021B	
MB 880-58816/5-A	Method Blank	Total/NA	Solid	8021B	58816
LCS 880-58816/1-A	Lab Control Sample	Total/NA	Solid	8021B	58816
LCSD 880-58816/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58816
880-31085-1 MS	C-49 1.5'	Total/NA	Solid	8021B	58816
880-31085-1 MSD	C-49 1.5'	Total/NA	Solid	8021B	58816

Prep Batch: 58816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-1	C-49 1.5'	Total/NA	Solid	5035	
880-31085-2	C-50 1.5'	Total/NA	Solid	5035	
880-31085-3	C-51 1.5'	Total/NA	Solid	5035	
880-31085-4	C-52 1.5'	Total/NA	Solid	5035	
880-31085-5	C-53 1.5'	Total/NA	Solid	5035	
880-31085-6	C-54 1.5'	Total/NA	Solid	5035	
880-31085-7	C-55 1.5'	Total/NA	Solid	5035	
880-31085-8	C-56 0-1.5'	Total/NA	Solid	5035	
880-31085-9	C-57 0-1.5'	Total/NA	Solid	5035	
880-31085-10	C-58 2'	Total/NA	Solid	5035	
880-31085-11	C-59 2'	Total/NA	Solid	5035	
880-31085-12	C-60 2'	Total/NA	Solid	5035	
880-31085-13	C-61 2'	Total/NA	Solid	5035	
880-31085-14	C-62 2'	Total/NA	Solid	5035	
880-31085-15	C-63 0-2'	Total/NA	Solid	5035	
880-31085-16	C-44 0-4.1'	Total/NA	Solid	5035	
880-31085-17	C-45 0-4.1'	Total/NA	Solid	5035	
880-31085-18	C-46 0-4.1'	Total/NA	Solid	5035	
880-31085-19	C-47 0-4.1'	Total/NA	Solid	5035	
880-31085-20	C-48 0-4.1'	Total/NA	Solid	5035	
MB 880-58816/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58816/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

GC VOA (Continued)

Prep Batch: 58816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-58816/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31085-1 MS	C-49 1.5'	Total/NA	Solid	5035	
880-31085-1 MSD	C-49 1.5'	Total/NA	Solid	5035	

Analysis Batch: 58977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-1	C-49 1.5'	Total/NA	Solid	Total BTEX	
880-31085-2	C-50 1.5'	Total/NA	Solid	Total BTEX	
880-31085-3	C-51 1.5'	Total/NA	Solid	Total BTEX	
880-31085-4	C-52 1.5'	Total/NA	Solid	Total BTEX	
880-31085-5	C-53 1.5'	Total/NA	Solid	Total BTEX	
880-31085-6	C-54 1.5'	Total/NA	Solid	Total BTEX	
880-31085-7	C-55 1.5'	Total/NA	Solid	Total BTEX	
880-31085-8	C-56 0-1.5'	Total/NA	Solid	Total BTEX	
880-31085-9	C-57 0-1.5'	Total/NA	Solid	Total BTEX	
880-31085-10	C-58 2'	Total/NA	Solid	Total BTEX	
880-31085-11	C-59 2'	Total/NA	Solid	Total BTEX	
880-31085-12	C-60 2'	Total/NA	Solid	Total BTEX	
880-31085-13	C-61 2'	Total/NA	Solid	Total BTEX	
880-31085-14	C-62 2'	Total/NA	Solid	Total BTEX	
880-31085-15	C-63 0-2'	Total/NA	Solid	Total BTEX	
880-31085-16	C-44 0-4.1'	Total/NA	Solid	Total BTEX	
880-31085-17	C-45 0-4.1'	Total/NA	Solid	Total BTEX	
880-31085-18	C-46 0-4.1'	Total/NA	Solid	Total BTEX	
880-31085-19	C-47 0-4.1'	Total/NA	Solid	Total BTEX	
880-31085-20	C-48 0-4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-1	C-49 1.5'	Total/NA	Solid	8015NM Prep	
880-31085-2	C-50 1.5'	Total/NA	Solid	8015NM Prep	
880-31085-3	C-51 1.5'	Total/NA	Solid	8015NM Prep	
880-31085-4	C-52 1.5'	Total/NA	Solid	8015NM Prep	
880-31085-5	C-53 1.5'	Total/NA	Solid	8015NM Prep	
880-31085-6	C-54 1.5'	Total/NA	Solid	8015NM Prep	
880-31085-7	C-55 1.5'	Total/NA	Solid	8015NM Prep	
880-31085-8	C-56 0-1.5'	Total/NA	Solid	8015NM Prep	
880-31085-9	C-57 0-1.5'	Total/NA	Solid	8015NM Prep	
880-31085-10	C-58 2'	Total/NA	Solid	8015NM Prep	
880-31085-11	C-59 2'	Total/NA	Solid	8015NM Prep	
880-31085-12	C-60 2'	Total/NA	Solid	8015NM Prep	
880-31085-13	C-61 2'	Total/NA	Solid	8015NM Prep	
880-31085-14	C-62 2'	Total/NA	Solid	8015NM Prep	
880-31085-15	C-63 0-2'	Total/NA	Solid	8015NM Prep	
880-31085-16	C-44 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31085-17	C-45 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31085-18	C-46 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31085-19	C-47 0-4.1'	Total/NA	Solid	8015NM Prep	
880-31085-20	C-48 0-4.1'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Prep Batch: 59085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59085/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59085/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31085-1 MS	C-49 1.5'	Total/NA	Solid	8015NM Prep	
880-31085-1 MSD	C-49 1.5'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-1	C-49 1.5'	Total/NA	Solid	8015B NM	59085
880-31085-2	C-50 1.5'	Total/NA	Solid	8015B NM	59085
880-31085-3	C-51 1.5'	Total/NA	Solid	8015B NM	59085
880-31085-4	C-52 1.5'	Total/NA	Solid	8015B NM	59085
880-31085-5	C-53 1.5'	Total/NA	Solid	8015B NM	59085
880-31085-6	C-54 1.5'	Total/NA	Solid	8015B NM	59085
880-31085-7	C-55 1.5'	Total/NA	Solid	8015B NM	59085
880-31085-8	C-56 0-1.5'	Total/NA	Solid	8015B NM	59085
880-31085-9	C-57 0-1.5'	Total/NA	Solid	8015B NM	59085
880-31085-10	C-58 2'	Total/NA	Solid	8015B NM	59085
880-31085-11	C-59 2'	Total/NA	Solid	8015B NM	59085
880-31085-12	C-60 2'	Total/NA	Solid	8015B NM	59085
880-31085-13	C-61 2'	Total/NA	Solid	8015B NM	59085
880-31085-14	C-62 2'	Total/NA	Solid	8015B NM	59085
880-31085-15	C-63 0-2'	Total/NA	Solid	8015B NM	59085
880-31085-16	C-44 0-4.1'	Total/NA	Solid	8015B NM	59085
880-31085-17	C-45 0-4.1'	Total/NA	Solid	8015B NM	59085
880-31085-18	C-46 0-4.1'	Total/NA	Solid	8015B NM	59085
880-31085-19	C-47 0-4.1'	Total/NA	Solid	8015B NM	59085
880-31085-20	C-48 0-4.1'	Total/NA	Solid	8015B NM	59085
MB 880-59085/1-A	Method Blank	Total/NA	Solid	8015B NM	59085
LCS 880-59085/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59085
LCSD 880-59085/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59085
880-31085-1 MS	C-49 1.5'	Total/NA	Solid	8015B NM	59085
880-31085-1 MSD	C-49 1.5'	Total/NA	Solid	8015B NM	59085

Analysis Batch: 59381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-1	C-49 1.5'	Total/NA	Solid	8015 NM	
880-31085-2	C-50 1.5'	Total/NA	Solid	8015 NM	
880-31085-3	C-51 1.5'	Total/NA	Solid	8015 NM	
880-31085-4	C-52 1.5'	Total/NA	Solid	8015 NM	
880-31085-5	C-53 1.5'	Total/NA	Solid	8015 NM	
880-31085-6	C-54 1.5'	Total/NA	Solid	8015 NM	
880-31085-7	C-55 1.5'	Total/NA	Solid	8015 NM	
880-31085-8	C-56 0-1.5'	Total/NA	Solid	8015 NM	
880-31085-9	C-57 0-1.5'	Total/NA	Solid	8015 NM	
880-31085-10	C-58 2'	Total/NA	Solid	8015 NM	
880-31085-11	C-59 2'	Total/NA	Solid	8015 NM	
880-31085-12	C-60 2'	Total/NA	Solid	8015 NM	
880-31085-13	C-61 2'	Total/NA	Solid	8015 NM	
880-31085-14	C-62 2'	Total/NA	Solid	8015 NM	
880-31085-15	C-63 0-2'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Analysis Batch: 59381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-16	C-44 0-4.1'	Total/NA	Solid	8015 NM	
880-31085-17	C-45 0-4.1'	Total/NA	Solid	8015 NM	
880-31085-18	C-46 0-4.1'	Total/NA	Solid	8015 NM	
880-31085-19	C-47 0-4.1'	Total/NA	Solid	8015 NM	
880-31085-20	C-48 0-4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 58437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-1	C-49 1.5'	Soluble	Solid	DI Leach	
880-31085-2	C-50 1.5'	Soluble	Solid	DI Leach	
880-31085-3	C-51 1.5'	Soluble	Solid	DI Leach	
880-31085-4	C-52 1.5'	Soluble	Solid	DI Leach	
880-31085-5	C-53 1.5'	Soluble	Solid	DI Leach	
880-31085-6	C-54 1.5'	Soluble	Solid	DI Leach	
880-31085-7	C-55 1.5'	Soluble	Solid	DI Leach	
880-31085-8	C-56 0-1.5'	Soluble	Solid	DI Leach	
880-31085-9	C-57 0-1.5'	Soluble	Solid	DI Leach	
880-31085-10	C-58 2'	Soluble	Solid	DI Leach	
880-31085-11	C-59 2'	Soluble	Solid	DI Leach	
880-31085-12	C-60 2'	Soluble	Solid	DI Leach	
880-31085-13	C-61 2'	Soluble	Solid	DI Leach	
880-31085-14	C-62 2'	Soluble	Solid	DI Leach	
880-31085-15	C-63 0-2'	Soluble	Solid	DI Leach	
880-31085-16	C-44 0-4.1'	Soluble	Solid	DI Leach	
880-31085-17	C-45 0-4.1'	Soluble	Solid	DI Leach	
880-31085-18	C-46 0-4.1'	Soluble	Solid	DI Leach	
880-31085-19	C-47 0-4.1'	Soluble	Solid	DI Leach	
880-31085-20	C-48 0-4.1'	Soluble	Solid	DI Leach	
MB 880-58437/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58437/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58437/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31085-1 MS	C-49 1.5'	Soluble	Solid	DI Leach	
880-31085-1 MSD	C-49 1.5'	Soluble	Solid	DI Leach	
880-31085-11 MS	C-59 2'	Soluble	Solid	DI Leach	
880-31085-11 MSD	C-59 2'	Soluble	Solid	DI Leach	

Analysis Batch: 58577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-1	C-49 1.5'	Soluble	Solid	300.0	58437
880-31085-2	C-50 1.5'	Soluble	Solid	300.0	58437
880-31085-3	C-51 1.5'	Soluble	Solid	300.0	58437
880-31085-4	C-52 1.5'	Soluble	Solid	300.0	58437
880-31085-5	C-53 1.5'	Soluble	Solid	300.0	58437
880-31085-6	C-54 1.5'	Soluble	Solid	300.0	58437
880-31085-7	C-55 1.5'	Soluble	Solid	300.0	58437
880-31085-8	C-56 0-1.5'	Soluble	Solid	300.0	58437
880-31085-9	C-57 0-1.5'	Soluble	Solid	300.0	58437
880-31085-10	C-58 2'	Soluble	Solid	300.0	58437
880-31085-11	C-59 2'	Soluble	Solid	300.0	58437

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

HPLC/IC (Continued)

Analysis Batch: 58577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31085-12	C-60 2'	Soluble	Solid	300.0	58437
880-31085-13	C-61 2'	Soluble	Solid	300.0	58437
880-31085-14	C-62 2'	Soluble	Solid	300.0	58437
880-31085-15	C-63 0-2'	Soluble	Solid	300.0	58437
880-31085-16	C-44 0-4.1'	Soluble	Solid	300.0	58437
880-31085-17	C-45 0-4.1'	Soluble	Solid	300.0	58437
880-31085-18	C-46 0-4.1'	Soluble	Solid	300.0	58437
880-31085-19	C-47 0-4.1'	Soluble	Solid	300.0	58437
880-31085-20	C-48 0-4.1'	Soluble	Solid	300.0	58437
MB 880-58437/1-A	Method Blank	Soluble	Solid	300.0	58437
LCS 880-58437/2-A	Lab Control Sample	Soluble	Solid	300.0	58437
LCSD 880-58437/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58437
880-31085-1 MS	C-49 1.5'	Soluble	Solid	300.0	58437
880-31085-1 MSD	C-49 1.5'	Soluble	Solid	300.0	58437
880-31085-11 MS	C-59 2'	Soluble	Solid	300.0	58437
880-31085-11 MSD	C-59 2'	Soluble	Solid	300.0	58437

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-49 1.5'
Date Collected: 07/21/23 06:40
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-1
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			5.02 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 00:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 13:10	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 16:10	CH	EET MID

Client Sample ID: C-50 1.5'
Date Collected: 07/21/23 06:45
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-2
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			4.98 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 00:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 14:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 16:31	CH	EET MID

Client Sample ID: C-51 1.5'
Date Collected: 07/21/23 06:50
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-3
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			4.95 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 01:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 14:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 16:38	CH	EET MID

Client Sample ID: C-52 1.5'
Date Collected: 07/21/23 06:55
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-4
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			5.01 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 01:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-52 1.5'

Lab Sample ID: 880-31085-4

Date Collected: 07/21/23 06:55

Matrix: Solid

Date Received: 07/24/23 08:44

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			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 15:01	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 16:44	CH	EET MID

Client Sample ID: C-53 1.5'

Lab Sample ID: 880-31085-5

Date Collected: 07/21/23 07:00

Matrix: Solid

Date Received: 07/24/23 08:44

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	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 01:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 15:23	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 16:51	CH	EET MID

Client Sample ID: C-54 1.5'

Lab Sample ID: 880-31085-6

Date Collected: 07/21/23 07:05

Matrix: Solid

Date Received: 07/24/23 08:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 02:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 17:12	CH	EET MID

Client Sample ID: C-55 1.5'

Lab Sample ID: 880-31085-7

Date Collected: 07/21/23 07:10

Matrix: Solid

Date Received: 07/24/23 08:44

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	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 02:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 16:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-55 1.5'
Date Collected: 07/21/23 07:10
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-7
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	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 17:19	CH	EET MID

Client Sample ID: C-56 0-1.5'
Date Collected: 07/21/23 07:15
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-8
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	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 02:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 17:26	CH	EET MID

Client Sample ID: C-57 0-1.5'
Date Collected: 07/21/23 07:20
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-9
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			5.04 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 03:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 16:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 17:32	CH	EET MID

Client Sample ID: C-58 2'
Date Collected: 07/21/23 07:50
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-10
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	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 03:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 17:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 17:39	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-59 2'
Date Collected: 07/21/23 07:55
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-11
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			4.95 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 05:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 18:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 17:46	CH	EET MID

Client Sample ID: C-60 2'
Date Collected: 07/21/23 08:00
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-12
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			4.98 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 05:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/04/23 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 18:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 18:07	CH	EET MID

Client Sample ID: C-61 2'
Date Collected: 07/21/23 08:05
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-13
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	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 06:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/07/23 14:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 18:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 18:14	CH	EET MID

Client Sample ID: C-62 2'
Date Collected: 07/21/23 08:10
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-14
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	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 06:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-62 2'
Date Collected: 07/21/23 08:10
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-14
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			59381	08/07/23 14:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 19:07	SM	EET MID
Soluble	Leach	DI Leach			5.98 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 18:34	CH	EET MID

Client Sample ID: C-63 0-2'
Date Collected: 07/21/23 08:15
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 06:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/07/23 14:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 19:29	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 18:41	CH	EET MID

Client Sample ID: C-44 0-4.1'
Date Collected: 07/20/23 07:00
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-16
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			5.05 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 07:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/07/23 14:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 19:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 18:48	CH	EET MID

Client Sample ID: C-45 0-4.1'
Date Collected: 07/20/23 07:05
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-17
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			5.03 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 07:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/07/23 14:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 20:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Client Sample ID: C-45 0-4.1'
Date Collected: 07/20/23 07:05
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-17
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			5 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 18:55	CH	EET MID

Client Sample ID: C-46 0-4.1'
Date Collected: 07/20/23 07:10
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-18
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			5.00 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 07:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/07/23 14:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 20:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 19:02	CH	EET MID

Client Sample ID: C-47 0-4.1'
Date Collected: 07/20/23 07:15
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-19
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			5.04 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 08:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/07/23 14:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 20:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 19:08	CH	EET MID

Client Sample ID: C-48 0-4.1'
Date Collected: 07/20/23 07:20
Date Received: 07/24/23 08:44

Lab Sample ID: 880-31085-20
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			4.96 g	5 mL	58816	07/31/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58803	08/01/23 08:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58977	08/01/23 09:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			59381	08/07/23 14:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59085	08/02/23 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59291	08/04/23 21:19	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58437	07/25/23 09:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58577	07/27/23 19:15	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

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

- 1
- 2
- 3
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Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

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	T104704400-23-26	06-30-24

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

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

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: Salado Draw 24-23

Job ID: 880-31085-1
SDG: 21-0100-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31085-1	C-49 1.5'	Solid	07/21/23 06:40	07/24/23 08:44
880-31085-2	C-50 1.5'	Solid	07/21/23 06:45	07/24/23 08:44
880-31085-3	C-51 1.5'	Solid	07/21/23 06:50	07/24/23 08:44
880-31085-4	C-52 1.5'	Solid	07/21/23 06:55	07/24/23 08:44
880-31085-5	C-53 1.5'	Solid	07/21/23 07:00	07/24/23 08:44
880-31085-6	C-54 1.5'	Solid	07/21/23 07:05	07/24/23 08:44
880-31085-7	C-55 1.5'	Solid	07/21/23 07:10	07/24/23 08:44
880-31085-8	C-56 0-1.5'	Solid	07/21/23 07:15	07/24/23 08:44
880-31085-9	C-57 0-1.5'	Solid	07/21/23 07:20	07/24/23 08:44
880-31085-10	C-58 2'	Solid	07/21/23 07:50	07/24/23 08:44
880-31085-11	C-59 2'	Solid	07/21/23 07:55	07/24/23 08:44
880-31085-12	C-60 2'	Solid	07/21/23 08:00	07/24/23 08:44
880-31085-13	C-61 2'	Solid	07/21/23 08:05	07/24/23 08:44
880-31085-14	C-62 2'	Solid	07/21/23 08:10	07/24/23 08:44
880-31085-15	C-63 0-2'	Solid	07/21/23 08:15	07/24/23 08:44
880-31085-16	C-44 0-4.1'	Solid	07/20/23 07:00	07/24/23 08:44
880-31085-17	C-45 0-4.1'	Solid	07/20/23 07:05	07/24/23 08:44
880-31085-18	C-46 0-4.1'	Solid	07/20/23 07:10	07/24/23 08:44
880-31085-19	C-47 0-4.1'	Solid	07/20/23 07:15	07/24/23 08:44
880-31085-20	C-48 0-4.1'	Solid	07/20/23 07:20	07/24/23 08:44

No. 2757
31085
CHAIN-OF-CUSTODY

DATE 7/11/2023 PAGE 1 OF 2
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME SALADO DRAW 24-23
LAI PROJECT # 21-0100-07 COLLECTOR STAN BATTIST

507 N. Marienfeld, Ste. 202
Midland, TX 79701
432-687-0901

Arson & Associates, Inc.
Environmental Consultants
Data Reported to ROBERT NELSON / MARC CARSON

TRRP report? ☐ Yes ☒ No	S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES	FIELD NOTES
								HCl	HNO ₃	H ₂ SO ₄	NaOH		
				7/12/23	6:40	S	1						
					6:45								
					6:50								
					6:55								
					7:00								
					7:05								
					7:10								
					7:15								
					7:20								
					7:50								
					7:55								
					8:00								
					8:05								
					8:10								
					8:15								
TOTAL													



880-31085 Chain of Custody

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
<i>[Signature]</i>	7/11/23 08:41	<i>[Signature]</i>	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
LABORATORY <u>Xenoco</u>			

TURN AROUND TIME

NORMAL ☒1 DAY ☐2 DAY ☐OTHER ☐LABORATORY USE ONLY: 291-3.2

RECEIVING TEMP

THERM# 298CUSTODY SEALS - ☐ BROKEN ☒ CONTACT ☐ NOT USED☐ CARRIER BILL #☒ HAND DELIVERED

31085 No. 2756
CHAIN-OF-CUSTODY

 Arson & Associates, Inc. Environmental Consultants				507 N. Marrenfeld, Ste. 202 Midland, TX 79701 432-687-0901				DATE <u>7/20/23</u> PAGE <u>2</u> OF <u>2</u> PO# _____ LAB WORK ORDER# _____ PROJECT LOCATION OR NAME <u>SALADO DRAW 2423</u> LAI PROJECT # <u>21-0100-07</u> COLLECTOR <u>STAN BATES</u>											
Data Reported to <u>ROBERT NELSON / MARC LARSON</u>				PRESERVATION HCl _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ UNPRESERVED _____				ANALYSES BTEX AMBE _____ TPH 418.1 _____ GASOLINE MOD 8015.4 _____ DIESEL MOD 8015.4 _____ OIL MOD 8015.4 _____ VOC 8260 _____ SVOC 8270 _____ 8081 PESTICIDES _____ 8082 PESTICIDES _____ TCLP - METALS (RCRA) _____ TCLP - METALS (RCRA) _____ TCLP - PEST _____ LEAD - TOTAL _____ RCI - TOTAL _____ TDS _____ PH _____ EXPLOSIVES _____ CHLORIDES ANIONS _____ ALKALINITY _____											
TRRP report? ☐ Yes ☒ No		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER		# of Containers		Matrix		Time		Date		Lab #		Field Sample ID		TIME ZONE Time zone/State	
C-44 0-4.1'						1		S		7:00		7/20/23				C-44 0-4.1'		MNT	
C-45 0-4.1'						1		S		7:05						C-45 0-4.1'			
C-46 0-4.1'						1		S		7:10						C-46 0-4.1'			
C-47 0-4.1'						1		S		7:15						C-47 0-4.1'			
C-48 0-4.1'						1		S		7:20						C-48 0-4.1'			
TOTAL																			
RELINQUISHED BY (Signature) <u>[Signature]</u>				DATE/TIME <u>7/21/23 08:11</u>				RECEIVED BY (Signature) <u>[Signature]</u>				DATE/TIME <u>7/21/23 08:11</u>				LABORATORY <u>Xenon</u>			
RELINQUISHED BY (Signature)				DATE/TIME				RECEIVED BY (Signature)				DATE/TIME				RECEIVED BY (Signature)			
RELINQUISHED BY (Signature)				DATE/TIME				RECEIVED BY (Signature)				DATE/TIME				RECEIVED BY (Signature)			
LABORATORY				DATE/TIME				RECEIVED BY (Signature)				DATE/TIME				RECEIVED BY (Signature)			

Loc: 880
31085

LABORATORY USE ONLY:

RECEIVING TEMP _____ THERM# _____

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

☐ CARRIER BILL # _____

☐ HAND DELIVERED

TURN AROUND TIME

NORMAL ☐

1 DAY ☐

2 DAY ☐

OTHER ☐

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-31085-1

SDG Number: 21-0100-07

Login Number: 31085

List Number: 1

Creator: Rodriguez, Leticia

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 8/15/2023 7:09:09 AM

JOB DESCRIPTION

Salado Draw 24 23
SDG NUMBER 21-0100-07

JOB NUMBER

880-31432-1

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

Holly Taylor

Generated
8/15/2023 7:09:09 AM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Laboratory Job ID: 880-31432-1
SDG: 21-0100-07

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
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
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD 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: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Job ID: 880-31432-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-31432-1****Receipt**

The samples were received on 7/31/2023 9:30 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 1.9°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-64 1' (880-31432-1), C-65 1' (880-31432-2), C-66 1' (880-31432-3), C-67 1' (880-31432-4), C-68 1' (880-31432-5), C-69 1' (880-31432-6), C-70 1' (880-31432-7), C-71 1' (880-31432-8), C-72 1' (880-31432-9), C-73 1' (880-31432-10), C-74 1' (880-31432-11), C-75 1' (880-31432-12), C-76 1' (880-31432-13), C-77 1' (880-31432-14), C-78 1' (880-31432-15), C-79 1' (880-31432-16), C-80 1' (880-31432-17), C-81 1' (880-31432-18), C-82 1' (880-31432-19), C-83 1' (880-31432-20), C-84 1' (880-31432-21), C-85 1' (880-31432-22), C-86 1' (880-31432-23), C-87 0-1' (880-31432-24), C-88 0-1' (880-31432-25) and C-89 0-1' (880-31432-26).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59296 recovered below the lower control limit for Benzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-59296/33).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59296 recovered above the upper control limit for Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-59296/64).

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-81 1' (880-31432-18), C-82 1' (880-31432-19) and C-83 1' (880-31432-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-59349 and analytical batch 880-59295 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-59577/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-83 1' (880-31432-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-59805 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-59805/31).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-59809/31). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-59848 and analytical batch 880-59901 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-59901/20), (CCV 880-59901/5), (LCS 880-59848/2-A) and (LCSD 880-59848/3-A). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Job ID: 880-31432-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-31432-A-4-E 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.

HPLC/IC

Method 300_ORGFM_28D: The laboratory control sample (LCS) associated with preparation batch 880-58865, 880-58865 and 880-58865 and analytical batch 880-59043 was outside acceptance criteria.. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-64 1'

Lab Sample ID: 880-31432-1

Date Collected: 07/25/23 07:00

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 14:09	1
Toluene	<0.00202	U F1	0.00202	mg/Kg		08/04/23 14:11	08/05/23 14:09	1
Ethylbenzene	<0.00202	U F1	0.00202	mg/Kg		08/04/23 14:11	08/05/23 14:09	1
m,p-Xylenes	<0.00404	U F1	0.00404	mg/Kg		08/04/23 14:11	08/05/23 14:09	1
o-Xylene	<0.00202	U F1	0.00202	mg/Kg		08/04/23 14:11	08/05/23 14:09	1
Xylenes, Total	<0.00404	U F1	0.00404	mg/Kg		08/04/23 14:11	08/05/23 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/04/23 14:11	08/05/23 14:09	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/04/23 14:11	08/05/23 14:09	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	689		50.4	mg/Kg			08/10/23 15:53	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	<50.4	U	50.4	mg/Kg		08/07/23 18:10	08/10/23 11:10	1
Diesel Range Organics (Over C10-C28)	689		50.4	mg/Kg		08/07/23 18:10	08/10/23 11:10	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/07/23 18:10	08/10/23 11:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	08/07/23 18:10	08/10/23 11:10	1
o-Terphenyl (Surr)	92		70 - 130	08/07/23 18:10	08/10/23 11:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	969		25.0	mg/Kg			08/02/23 19:42	5

Client Sample ID: C-65 1'

Lab Sample ID: 880-31432-2

Date Collected: 07/25/23 07:05

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 14:30	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 14:30	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 14:30	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 14:30	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 14:30	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/04/23 14:11	08/05/23 14:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/04/23 14:11	08/05/23 14:30	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-65 1'

Lab Sample ID: 880-31432-2

Date Collected: 07/25/23 07:05

Matrix: Solid

Date Received: 07/31/23 09:30

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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/10/23 15:53	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	<50.5	U	50.5	mg/Kg		08/07/23 18:10	08/10/23 11:33	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/07/23 18:10	08/10/23 11:33	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/07/23 18:10	08/10/23 11:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130			08/07/23 18:10	08/10/23 11:33	1
o-Terphenyl (Surr)	99		70 - 130			08/07/23 18:10	08/10/23 11:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	489		5.00	mg/Kg			08/02/23 19:57	1

Client Sample ID: C-66 1'

Lab Sample ID: 880-31432-3

Date Collected: 07/25/23 07:10

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 14:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 14:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 14:50	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/04/23 14:11	08/05/23 14:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 14:50	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/04/23 14:11	08/05/23 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			08/04/23 14:11	08/05/23 14:50	1
1,4-Difluorobenzene (Surr)	92		70 - 130			08/04/23 14:11	08/05/23 14:50	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			08/07/23 17:07	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			08/10/23 15:53	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		08/07/23 18:10	08/10/23 11:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/07/23 18:10	08/10/23 11:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-66 1'

Lab Sample ID: 880-31432-3

Date Collected: 07/25/23 07:10

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/07/23 18:10	08/10/23 11:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			08/07/23 18:10	08/10/23 11:55	1
o-Terphenyl (Surr)	86		70 - 130			08/07/23 18:10	08/10/23 11:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.4		4.98	mg/Kg			08/02/23 20:02	1

Client Sample ID: C-67 1'

Lab Sample ID: 880-31432-4

Date Collected: 07/25/23 07:15

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 16:01	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:11	08/05/23 16:01	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:11	08/05/23 16:01	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		08/04/23 14:11	08/05/23 16:01	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:11	08/05/23 16:01	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/04/23 14:11	08/05/23 16:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			08/04/23 14:11	08/05/23 16:01	1
1,4-Difluorobenzene (Surr)	95		70 - 130			08/04/23 14:11	08/05/23 16:01	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.0		49.8	mg/Kg			08/15/23 07:57	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	<49.8	U H	49.8	mg/Kg		08/10/23 11:15	08/11/23 10:31	1
Diesel Range Organics (Over C10-C28)	89.0	H	49.8	mg/Kg		08/10/23 11:15	08/11/23 10:31	1
Oil Range Organics (Over C28-C36)	<49.8	U H	49.8	mg/Kg		08/10/23 11:15	08/11/23 10:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			08/10/23 11:15	08/11/23 10:31	1
o-Terphenyl (Surr)	117		70 - 130			08/10/23 11:15	08/11/23 10:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		24.8	mg/Kg			08/02/23 20:06	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-68 1'

Lab Sample ID: 880-31432-5

Date Collected: 07/25/23 07:20

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 16:22	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/04/23 14:11	08/05/23 16:22	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/04/23 14:11	08/05/23 16:22	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/04/23 14:11	08/05/23 16:22	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/04/23 14:11	08/05/23 16:22	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/04/23 14:11	08/05/23 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/04/23 14:11	08/05/23 16:22	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/04/23 14:11	08/05/23 16:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	117		50.4	mg/Kg			08/15/23 07:57	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	<50.4	U	50.4	mg/Kg		08/07/23 11:15	08/11/23 11:38	1
Diesel Range Organics (Over C10-C28)	117		50.4	mg/Kg		08/07/23 11:15	08/11/23 11:38	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/07/23 11:15	08/11/23 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130	08/07/23 11:15	08/11/23 11:38	1
o-Terphenyl (Surr)	119		70 - 130	08/07/23 11:15	08/11/23 11:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	725		25.0	mg/Kg			08/02/23 20:11	5

Client Sample ID: C-69 1'

Lab Sample ID: 880-31432-6

Date Collected: 07/25/23 07:25

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 16:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 16:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 16:42	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 16:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 16:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/04/23 14:11	08/05/23 16:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/04/23 14:11	08/05/23 16:42	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-69 1'

Lab Sample ID: 880-31432-6

Date Collected: 07/25/23 07:25

Matrix: Solid

Date Received: 07/31/23 09:30

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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/15/23 07:57	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	<50.5	U	50.5	mg/Kg		08/07/23 11:15	08/11/23 12:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/07/23 11:15	08/11/23 12:01	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/07/23 11:15	08/11/23 12:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			08/07/23 11:15	08/11/23 12:01	1
o-Terphenyl (Surr)	124		70 - 130			08/07/23 11:15	08/11/23 12:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		4.97	mg/Kg			08/02/23 20:26	1

Client Sample ID: C-70 1'

Lab Sample ID: 880-31432-7

Date Collected: 07/25/23 07:30

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 17:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 17:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 17:03	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/04/23 14:11	08/05/23 17:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 17:03	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/04/23 14:11	08/05/23 17:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			08/04/23 14:11	08/05/23 17:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130			08/04/23 14:11	08/05/23 17:03	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	122		50.1	mg/Kg			08/15/23 07:57	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	<50.1	U	50.1	mg/Kg		08/07/23 11:15	08/11/23 12:23	1
Diesel Range Organics (Over C10-C28)	122		50.1	mg/Kg		08/07/23 11:15	08/11/23 12:23	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-70 1'

Lab Sample ID: 880-31432-7

Date Collected: 07/25/23 07:30

Matrix: Solid

Date Received: 07/31/23 09:30

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)	<50.1	U	50.1	mg/Kg		08/07/23 11:15	08/11/23 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			08/07/23 11:15	08/11/23 12:23	1
o-Terphenyl (Surr)	125		70 - 130			08/07/23 11:15	08/11/23 12:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	534		5.00	mg/Kg			08/02/23 20:31	1

Client Sample ID: C-71 1'

Lab Sample ID: 880-31432-8

Date Collected: 07/25/23 07:35

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 17:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 17:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 17:23	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/04/23 14:11	08/05/23 17:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 17:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/04/23 14:11	08/05/23 17:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			08/04/23 14:11	08/05/23 17:23	1
1,4-Difluorobenzene (Surr)	101		70 - 130			08/04/23 14:11	08/05/23 17:23	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.7		49.7	mg/Kg			08/15/23 07:57	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	<49.7	U	49.7	mg/Kg		08/07/23 11:15	08/11/23 12:46	1
Diesel Range Organics (Over C10-C28)	89.7		49.7	mg/Kg		08/07/23 11:15	08/11/23 12:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		08/07/23 11:15	08/11/23 12:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			08/07/23 11:15	08/11/23 12:46	1
o-Terphenyl (Surr)	113		70 - 130			08/07/23 11:15	08/11/23 12:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	576		24.8	mg/Kg			08/02/23 20:36	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-72 1'

Lab Sample ID: 880-31432-9

Date Collected: 07/25/23 07:40

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 17:44	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:11	08/05/23 17:44	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:11	08/05/23 17:44	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		08/04/23 14:11	08/05/23 17:44	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:11	08/05/23 17:44	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/04/23 14:11	08/05/23 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/04/23 14:11	08/05/23 17:44	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/04/23 14:11	08/05/23 17:44	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.5		50.0	mg/Kg			08/15/23 07:57	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		08/07/23 11:15	08/11/23 13:08	1
Diesel Range Organics (Over C10-C28)	54.5		50.0	mg/Kg		08/07/23 11:15	08/11/23 13:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/07/23 11:15	08/11/23 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	08/07/23 11:15	08/11/23 13:08	1
o-Terphenyl (Surr)	120		70 - 130	08/07/23 11:15	08/11/23 13:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	343		5.04	mg/Kg			08/02/23 20:41	1

Client Sample ID: C-73 1'

Lab Sample ID: 880-31432-10

Date Collected: 07/25/23 07:45

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 18:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 18:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 18:04	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 18:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 18:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/04/23 14:11	08/05/23 18:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/04/23 14:11	08/05/23 18:04	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-73 1'

Lab Sample ID: 880-31432-10

Date Collected: 07/25/23 07:45

Matrix: Solid

Date Received: 07/31/23 09:30

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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.9		50.3	mg/Kg			08/15/23 07:57	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	<50.3	U	50.3	mg/Kg		08/07/23 11:15	08/11/23 13:30	1
Diesel Range Organics (Over C10-C28)	64.9		50.3	mg/Kg		08/07/23 11:15	08/11/23 13:30	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		08/07/23 11:15	08/11/23 13:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			08/07/23 11:15	08/11/23 13:30	1
o-Terphenyl (Surr)	110		70 - 130			08/07/23 11:15	08/11/23 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		5.00	mg/Kg			08/02/23 20:46	1

Client Sample ID: C-74 1'

Lab Sample ID: 880-31432-11

Date Collected: 07/25/23 07:50

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 19:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 19:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 19:55	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/04/23 14:11	08/05/23 19:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 19:55	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/04/23 14:11	08/05/23 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130			08/04/23 14:11	08/05/23 19:55	1
1,4-Difluorobenzene (Surr)	98		70 - 130			08/04/23 14:11	08/05/23 19:55	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.5		50.4	mg/Kg			08/15/23 07:57	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	<50.4	U	50.4	mg/Kg		08/07/23 11:15	08/11/23 13:53	1
Diesel Range Organics (Over C10-C28)	62.5		50.4	mg/Kg		08/07/23 11:15	08/11/23 13:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-74 1'

Lab Sample ID: 880-31432-11

Date Collected: 07/25/23 07:50

Matrix: Solid

Date Received: 07/31/23 09:30

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)	<50.4	U	50.4	mg/Kg		08/07/23 11:15	08/11/23 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			08/07/23 11:15	08/11/23 13:53	1
o-Terphenyl (Surr)	119		70 - 130			08/07/23 11:15	08/11/23 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		4.95	mg/Kg			08/02/23 20:51	1

Client Sample ID: C-75 1'

Lab Sample ID: 880-31432-12

Date Collected: 07/25/23 07:55

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 20:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 20:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 20:16	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/04/23 14:11	08/05/23 20:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 20:16	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/04/23 14:11	08/05/23 20:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			08/04/23 14:11	08/05/23 20:16	1
1,4-Difluorobenzene (Surr)	104		70 - 130			08/04/23 14:11	08/05/23 20:16	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.0		49.7	mg/Kg			08/11/23 13:50	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		08/07/23 18:10	08/10/23 15:46	1
Diesel Range Organics (Over C10-C28)	51.0		49.7	mg/Kg		08/07/23 18:10	08/10/23 15:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		08/07/23 18:10	08/10/23 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			08/07/23 18:10	08/10/23 15:46	1
o-Terphenyl (Surr)	111		70 - 130			08/07/23 18:10	08/10/23 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1610		25.0	mg/Kg			08/02/23 21:06	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-76 1'

Lab Sample ID: 880-31432-13

Date Collected: 07/25/23 08:00

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 20:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:11	08/05/23 20:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:11	08/05/23 20:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/04/23 14:11	08/05/23 20:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:11	08/05/23 20:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/04/23 14:11	08/05/23 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/04/23 14:11	08/05/23 20:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/04/23 14:11	08/05/23 20:36	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			08/07/23 17:07	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			08/11/23 13:50	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		08/07/23 18:10	08/10/23 16:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/07/23 18:10	08/10/23 16:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/07/23 18:10	08/10/23 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	08/07/23 18:10	08/10/23 16:09	1
o-Terphenyl (Surr)	103		70 - 130	08/07/23 18:10	08/10/23 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		5.01	mg/Kg			08/02/23 21:11	1

Client Sample ID: C-77 1'

Lab Sample ID: 880-31432-14

Date Collected: 07/25/23 08:05

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 20:57	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 20:57	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 20:57	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 20:57	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 20:57	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 20:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/04/23 14:11	08/05/23 20:57	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/04/23 14:11	08/05/23 20:57	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-77 1'

Lab Sample ID: 880-31432-14

Date Collected: 07/25/23 08:05

Matrix: Solid

Date Received: 07/31/23 09:30

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			08/07/23 17:07	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			08/11/23 13:50	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		08/07/23 18:10	08/10/23 16:31	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		08/07/23 18:10	08/10/23 16:31	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		08/07/23 18:10	08/10/23 16:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			08/07/23 18:10	08/10/23 16:31	1
o-Terphenyl (Surr)	95		70 - 130			08/07/23 18:10	08/10/23 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		4.97	mg/Kg			08/02/23 21:26	1

Client Sample ID: C-78 1'

Lab Sample ID: 880-31432-15

Date Collected: 07/25/23 08:10

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 21:17	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/04/23 14:11	08/05/23 21:17	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/04/23 14:11	08/05/23 21:17	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/04/23 14:11	08/05/23 21:17	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/04/23 14:11	08/05/23 21:17	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/04/23 14:11	08/05/23 21:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			08/04/23 14:11	08/05/23 21:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130			08/04/23 14:11	08/05/23 21:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/11/23 13:50	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	<50.4	U	50.4	mg/Kg		08/07/23 18:10	08/10/23 16:54	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/07/23 18:10	08/10/23 16:54	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-78 1'

Lab Sample ID: 880-31432-15

Date Collected: 07/25/23 08:10

Matrix: Solid

Date Received: 07/31/23 09:30

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)	<50.4	U	50.4	mg/Kg		08/07/23 18:10	08/10/23 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			08/07/23 18:10	08/10/23 16:54	1
o-Terphenyl (Surr)	102		70 - 130			08/07/23 18:10	08/10/23 16:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		4.95	mg/Kg			08/02/23 21:31	1

Client Sample ID: C-79 1'

Lab Sample ID: 880-31432-16

Date Collected: 07/25/23 08:15

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 21:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:11	08/05/23 21:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:11	08/05/23 21:38	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/04/23 14:11	08/05/23 21:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:11	08/05/23 21:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/04/23 14:11	08/05/23 21:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			08/04/23 14:11	08/05/23 21:38	1
1,4-Difluorobenzene (Surr)	105		70 - 130			08/04/23 14:11	08/05/23 21:38	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/11/23 13:50	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	<50.4	U	50.4	mg/Kg		08/07/23 18:10	08/10/23 17:16	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/07/23 18:10	08/10/23 17:16	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/07/23 18:10	08/10/23 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			08/07/23 18:10	08/10/23 17:16	1
o-Terphenyl (Surr)	82		70 - 130			08/07/23 18:10	08/10/23 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		4.98	mg/Kg			08/02/23 21:36	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-80 1'

Lab Sample ID: 880-31432-17

Date Collected: 07/25/23 08:20

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 21:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:11	08/05/23 21:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:11	08/05/23 21:58	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/04/23 14:11	08/05/23 21:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:11	08/05/23 21:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/04/23 14:11	08/05/23 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/04/23 14:11	08/05/23 21:58	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/04/23 14:11	08/05/23 21:58	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/11/23 13:50	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	<50.5	U	50.5	mg/Kg		08/07/23 18:10	08/10/23 17:39	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/07/23 18:10	08/10/23 17:39	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/07/23 18:10	08/10/23 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	08/07/23 18:10	08/10/23 17:39	1
o-Terphenyl (Surr)	93		70 - 130	08/07/23 18:10	08/10/23 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		5.00	mg/Kg			08/02/23 21:41	1

Client Sample ID: C-81 1'

Lab Sample ID: 880-31432-18

Date Collected: 07/25/23 08:25

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 22:18	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:11	08/05/23 22:18	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:11	08/05/23 22:18	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/04/23 14:11	08/05/23 22:18	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:11	08/05/23 22:18	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/04/23 14:11	08/05/23 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/04/23 14:11	08/05/23 22:18	1
1,4-Difluorobenzene (Surr)	140	S1+	70 - 130	08/04/23 14:11	08/05/23 22:18	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-81 1'

Lab Sample ID: 880-31432-18

Date Collected: 07/25/23 08:25

Matrix: Solid

Date Received: 07/31/23 09:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			08/07/23 17:07	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			08/11/23 13:50	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		08/07/23 18:10	08/10/23 18:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/07/23 18:10	08/10/23 18:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/07/23 18:10	08/10/23 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			08/07/23 18:10	08/10/23 18:02	1
o-Terphenyl (Surr)	93		70 - 130			08/07/23 18:10	08/10/23 18:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.96	mg/Kg			08/02/23 21:46	1

Client Sample ID: C-82 1'

Lab Sample ID: 880-31432-19

Date Collected: 07/25/23 08:30

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 22:39	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 22:39	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 22:39	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 22:39	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:11	08/05/23 22:39	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/04/23 14:11	08/05/23 22:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	210	S1+	70 - 130			08/04/23 14:11	08/05/23 22:39	1
1,4-Difluorobenzene (Surr)	236	S1+	70 - 130			08/04/23 14:11	08/05/23 22:39	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			08/07/23 17:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/11/23 13:50	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	<49.6	U	49.6	mg/Kg		08/07/23 18:10	08/10/23 18:25	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/07/23 18:10	08/10/23 18:25	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-82 1'

Lab Sample ID: 880-31432-19

Date Collected: 07/25/23 08:30

Matrix: Solid

Date Received: 07/31/23 09:30

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)	<49.6	U	49.6	mg/Kg		08/07/23 18:10	08/10/23 18:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			08/07/23 18:10	08/10/23 18:25	1
o-Terphenyl (Surr)	99		70 - 130			08/07/23 18:10	08/10/23 18:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.05	mg/Kg			08/02/23 21:51	1

Client Sample ID: C-83 1'

Lab Sample ID: 880-31432-20

Date Collected: 07/25/23 08:40

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:11	08/05/23 22:59	1
Toluene	0.00772		0.00202	mg/Kg		08/04/23 14:11	08/05/23 22:59	1
Ethylbenzene	0.00215		0.00202	mg/Kg		08/04/23 14:11	08/05/23 22:59	1
m,p-Xylenes	0.0102		0.00403	mg/Kg		08/04/23 14:11	08/05/23 22:59	1
o-Xylene	0.00460		0.00202	mg/Kg		08/04/23 14:11	08/05/23 22:59	1
Xylenes, Total	0.0148		0.00403	mg/Kg		08/04/23 14:11	08/05/23 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	261	S1+	70 - 130			08/04/23 14:11	08/05/23 22:59	1
1,4-Difluorobenzene (Surr)	97		70 - 130			08/04/23 14:11	08/05/23 22:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0247		0.00403	mg/Kg			08/07/23 17:07	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			08/11/23 11:48	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		08/07/23 18:14	08/10/23 21:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/07/23 18:14	08/10/23 21:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/07/23 18:14	08/10/23 21:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130			08/07/23 18:14	08/10/23 21:12	1
o-Terphenyl (Surr)	69	S1-	70 - 130			08/07/23 18:14	08/10/23 21:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		5.02	mg/Kg			08/02/23 21:56	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-84 1'

Lab Sample ID: 880-31432-21

Date Collected: 07/25/23 08:45

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:26	08/05/23 11:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:26	08/05/23 11:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:26	08/05/23 11:47	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/04/23 14:26	08/05/23 11:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:26	08/05/23 11:47	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/04/23 14:26	08/05/23 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	08/04/23 14:26	08/05/23 11:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/04/23 14:26	08/05/23 11:47	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			08/07/23 16:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/11/23 11:48	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	<50.4	U	50.4	mg/Kg		08/07/23 18:14	08/10/23 22:20	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/07/23 18:14	08/10/23 22:20	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/07/23 18:14	08/10/23 22:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	08/07/23 18:14	08/10/23 22:20	1
o-Terphenyl (Surr)	90		70 - 130	08/07/23 18:14	08/10/23 22:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186	*- *1	5.05	mg/Kg			08/02/23 12:12	1

Client Sample ID: C-85 1'

Lab Sample ID: 880-31432-22

Date Collected: 07/25/23 08:50

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:26	08/05/23 12:08	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/04/23 14:26	08/05/23 12:08	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/04/23 14:26	08/05/23 12:08	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/04/23 14:26	08/05/23 12:08	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/04/23 14:26	08/05/23 12:08	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/04/23 14:26	08/05/23 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/04/23 14:26	08/05/23 12:08	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/04/23 14:26	08/05/23 12:08	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-85 1'

Lab Sample ID: 880-31432-22

Date Collected: 07/25/23 08:50

Matrix: Solid

Date Received: 07/31/23 09:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/07/23 16:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			08/11/23 11:48	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	<50.2	U	50.2	mg/Kg		08/07/23 18:14	08/10/23 22:43	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		08/07/23 18:14	08/10/23 22:43	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/07/23 18:14	08/10/23 22:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			08/07/23 18:14	08/10/23 22:43	1
o-Terphenyl (Surr)	110		70 - 130			08/07/23 18:14	08/10/23 22:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	448	*- *1	5.01	mg/Kg			08/02/23 12:17	1

Client Sample ID: C-86 1'

Lab Sample ID: 880-31432-23

Date Collected: 07/25/23 09:00

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:26	08/05/23 12:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:26	08/05/23 12:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:26	08/05/23 12:28	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/04/23 14:26	08/05/23 12:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:26	08/05/23 12:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/04/23 14:26	08/05/23 12:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			08/04/23 14:26	08/05/23 12:28	1
1,4-Difluorobenzene (Surr)	111		70 - 130			08/04/23 14:26	08/05/23 12:28	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			08/07/23 16:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			08/11/23 11:48	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	<50.2	U	50.2	mg/Kg		08/07/23 18:14	08/10/23 23:05	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		08/07/23 18:14	08/10/23 23:05	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-86 1'

Lab Sample ID: 880-31432-23

Date Collected: 07/25/23 09:00

Matrix: Solid

Date Received: 07/31/23 09:30

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)	<50.2	U	50.2	mg/Kg		08/07/23 18:14	08/10/23 23:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			08/07/23 18:14	08/10/23 23:05	1
o-Terphenyl (Surr)	98		70 - 130			08/07/23 18:14	08/10/23 23:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170	*- *1	5.03	mg/Kg			08/02/23 12:22	1

Client Sample ID: C-87 0-1'

Lab Sample ID: 880-31432-24

Date Collected: 07/25/23 09:25

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:26	08/05/23 12:49	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:26	08/05/23 12:49	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:26	08/05/23 12:49	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/04/23 14:26	08/05/23 12:49	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/04/23 14:26	08/05/23 12:49	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/04/23 14:26	08/05/23 12:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			08/04/23 14:26	08/05/23 12:49	1
1,4-Difluorobenzene (Surr)	110		70 - 130			08/04/23 14:26	08/05/23 12:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			08/07/23 16:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/11/23 11:48	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	<49.6	U	49.6	mg/Kg		08/07/23 18:14	08/10/23 23:27	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/07/23 18:14	08/10/23 23:27	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/07/23 18:14	08/10/23 23:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			08/07/23 18:14	08/10/23 23:27	1
o-Terphenyl (Surr)	98		70 - 130			08/07/23 18:14	08/10/23 23:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212	*- *1	5.02	mg/Kg			08/02/23 12:27	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-88 0-1'

Lab Sample ID: 880-31432-25

Date Collected: 07/25/23 09:35

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:26	08/05/23 13:10	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:26	08/05/23 13:10	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:26	08/05/23 13:10	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/04/23 14:26	08/05/23 13:10	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/04/23 14:26	08/05/23 13:10	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/04/23 14:26	08/05/23 13:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			08/04/23 14:26	08/05/23 13:10	1
1,4-Difluorobenzene (Surr)	114		70 - 130			08/04/23 14:26	08/05/23 13:10	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			08/07/23 16:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/11/23 11:48	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	<49.6	U	49.6	mg/Kg		08/07/23 18:14	08/10/23 23:49	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/07/23 18:14	08/10/23 23:49	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/07/23 18:14	08/10/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			08/07/23 18:14	08/10/23 23:49	1
o-Terphenyl (Surr)	102		70 - 130			08/07/23 18:14	08/10/23 23:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147	*. *1	5.02	mg/Kg			08/02/23 12:32	1

Client Sample ID: C-89 0-1'

Lab Sample ID: 880-31432-26

Date Collected: 07/25/23 09:45

Matrix: Solid

Date Received: 07/31/23 09:30

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		08/04/23 14:26	08/05/23 13:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:26	08/05/23 13:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:26	08/05/23 13:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/04/23 14:26	08/05/23 13:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/04/23 14:26	08/05/23 13:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/04/23 14:26	08/05/23 13:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			08/04/23 14:26	08/05/23 13:31	1
1,4-Difluorobenzene (Surr)	114		70 - 130			08/04/23 14:26	08/05/23 13:31	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-89 0-1'
Date Collected: 07/25/23 09:45
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-26
Matrix: Solid

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			08/07/23 16:13	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			08/11/23 11:48	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	<50.0	U	50.0	mg/Kg		08/07/23 18:14	08/11/23 00:11	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/07/23 18:14	08/11/23 00:11	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/07/23 18:14	08/11/23 00:11	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	98		70 - 130			08/07/23 18:14	08/11/23 00:11	1	
o-Terphenyl (Surr)	95		70 - 130			08/07/23 18:14	08/11/23 00:11	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	444	*- *1	4.97	mg/Kg			08/02/23 12:37	1	

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

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)
880-31432-1	C-64 1'	85	95
880-31432-1 MS	C-64 1'	114	106
880-31432-1 MSD	C-64 1'	98	92
880-31432-2	C-65 1'	91	94
880-31432-3	C-66 1'	85	92
880-31432-4	C-67 1'	90	95
880-31432-5	C-68 1'	88	98
880-31432-6	C-69 1'	91	95
880-31432-7	C-70 1'	96	100
880-31432-8	C-71 1'	104	101
880-31432-9	C-72 1'	105	100
880-31432-10	C-73 1'	104	103
880-31432-11	C-74 1'	80	98
880-31432-12	C-75 1'	89	104
880-31432-13	C-76 1'	86	101
880-31432-14	C-77 1'	97	106
880-31432-15	C-78 1'	91	99
880-31432-16	C-79 1'	91	105
880-31432-17	C-80 1'	99	101
880-31432-18	C-81 1'	102	140 S1+
880-31432-19	C-82 1'	210 S1+	236 S1+
880-31432-20	C-83 1'	261 S1+	97
880-31432-21	C-84 1'	92	109
880-31432-22	C-85 1'	100	113
880-31432-23	C-86 1'	95	111
880-31432-24	C-87 0-1'	93	110
880-31432-25	C-88 0-1'	99	114
880-31432-26	C-89 0-1'	99	114
LCS 880-59349/1-A	Lab Control Sample	99	99
LCS 880-59350/1-A	Lab Control Sample	110	101
LCSD 880-59349/2-A	Lab Control Sample Dup	100	106
LCSD 880-59350/2-A	Lab Control Sample Dup	94	100
MB 880-59346/5-A	Method Blank	84	88
MB 880-59349/5-A	Method Blank	98	116
MB 880-59350/5-A	Method Blank	85	90
MB 880-59352/5-A	Method Blank	105	125
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)
880-31432-1	C-64 1'	88	92
880-31432-2	C-65 1'	96	99
880-31432-3	C-66 1'	85	86

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Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-31432-1

Project/Site: Salado Draw 24 23

SDG: 21-0100-07

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)
880-31432-4	C-67 1'	101	117
880-31432-4 MS	C-67 1'	126	132 S1+
880-31432-4 MSD	C-67 1'	117	121
880-31432-5	C-68 1'	112	119
880-31432-6	C-69 1'	115	124
880-31432-7	C-70 1'	116	125
880-31432-8	C-71 1'	107	113
880-31432-9	C-72 1'	115	120
880-31432-10	C-73 1'	95	110
880-31432-11	C-74 1'	111	119
880-31432-12	C-75 1'	109	111
880-31432-13	C-76 1'	105	103
880-31432-14	C-77 1'	97	95
880-31432-15	C-78 1'	102	102
880-31432-16	C-79 1'	81	82
880-31432-17	C-80 1'	97	93
880-31432-18	C-81 1'	91	93
880-31432-19	C-82 1'	103	99
880-31432-20	C-83 1'	71	69 S1-
880-31432-20 MS	C-83 1'	92	81
880-31432-20 MSD	C-83 1'	106	93
880-31432-21	C-84 1'	89	90
880-31432-22	C-85 1'	107	110
880-31432-23	C-86 1'	98	98
880-31432-24	C-87 0-1'	98	98
880-31432-25	C-88 0-1'	100	102
880-31432-26	C-89 0-1'	98	95
LCS 880-59577/2-A	Lab Control Sample	106	112
LCS 880-59578/2-A	Lab Control Sample	110	101
LCS 880-59848/2-A	Lab Control Sample	121	155 S1+
LCSD 880-59577/3-A	Lab Control Sample Dup	106	113
LCSD 880-59578/3-A	Lab Control Sample Dup	91	83
LCSD 880-59848/3-A	Lab Control Sample Dup	123	156 S1+
MB 880-59577/1-A	Method Blank	162 S1+	177 S1+
MB 880-59578/1-A	Method Blank	80	86
MB 880-59848/1-A	Method Blank	107	132 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59346/5-A
Matrix: Solid
Analysis Batch: 59296

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59346

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			08/04/23 13:45	08/04/23 23:23	1
1,4-Difluorobenzene (Surr)	88		70 - 130			08/04/23 13:45	08/04/23 23:23	1

Lab Sample ID: MB 880-59349/5-A
Matrix: Solid
Analysis Batch: 59295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59349

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 13:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 13:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 13:40	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/04/23 14:11	08/05/23 13:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:11	08/05/23 13:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/04/23 14:11	08/05/23 13:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			08/04/23 14:11	08/05/23 13:40	1
1,4-Difluorobenzene (Surr)	116		70 - 130			08/04/23 14:11	08/05/23 13:40	1

Lab Sample ID: LCS 880-59349/1-A
Matrix: Solid
Analysis Batch: 59295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1080		mg/Kg		108	70 - 130
Toluene	0.100	0.1073		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.09009		mg/Kg		90	70 - 130
m,p-Xylenes	0.200	0.1939		mg/Kg		97	70 - 130
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	99		70 - 130				
1,4-Difluorobenzene (Surr)	99		70 - 130				

Lab Sample ID: LCSD 880-59349/2-A
Matrix: Solid
Analysis Batch: 59295

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59349

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1167		mg/Kg		117	70 - 130	8	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-59349/2-A

Matrix: Solid

Analysis Batch: 59295

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59349

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.1077		mg/Kg		108	70 - 130		0	35
Ethylbenzene	0.100	0.09475		mg/Kg		95	70 - 130		5	35
m,p-Xylenes	0.200	0.2096		mg/Kg		105	70 - 130		8	35
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130		1	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-31432-1 MS

Matrix: Solid

Analysis Batch: 59295

Client Sample ID: C-64 1'

Prep Type: Total/NA

Prep Batch: 59349

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00202	U	0.0996	0.09853		mg/Kg		99	70 - 130	
Toluene	<0.00202	U F1	0.0996	0.08256		mg/Kg		83	70 - 130	
Ethylbenzene	<0.00202	U F1	0.0996	0.07004		mg/Kg		70	70 - 130	
m,p-Xylenes	<0.00404	U F1	0.199	0.1540		mg/Kg		77	70 - 130	
o-Xylene	<0.00202	U F1	0.0996	0.07511		mg/Kg		75	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-31432-1 MSD

Matrix: Solid

Analysis Batch: 59295

Client Sample ID: C-64 1'

Prep Type: Total/NA

Prep Batch: 59349

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00202	U	0.0994	0.07250		mg/Kg		73	70 - 130		30	35
Toluene	<0.00202	U F1	0.0994	0.06414	F1	mg/Kg		65	70 - 130		25	35
Ethylbenzene	<0.00202	U F1	0.0994	0.04983	F1	mg/Kg		50	70 - 130		34	35
m,p-Xylenes	<0.00404	U F1	0.199	0.1106	F1	mg/Kg		56	70 - 130		33	35
o-Xylene	<0.00202	U F1	0.0994	0.05469	F1	mg/Kg		55	70 - 130		31	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-59350/5-A

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59350

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:26	08/05/23 10:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:26	08/05/23 10:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:26	08/05/23 10:02	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/04/23 14:26	08/05/23 10:02	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

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

Lab Sample ID: MB 880-59350/5-A

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59350

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:26	08/05/23 10:02	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/04/23 14:26	08/05/23 10:02	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	85		70 - 130			08/04/23 14:26	08/05/23 10:02	1
1,4-Difluorobenzene (Surr)	90		70 - 130			08/04/23 14:26	08/05/23 10:02	1

Lab Sample ID: LCS 880-59350/1-A

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59350

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits	
		Result	Qualifier					
Benzene	0.100	0.1018		mg/Kg		102	70 - 130	
Toluene	0.100	0.1209		mg/Kg		121	70 - 130	
Ethylbenzene	0.100	0.1056		mg/Kg		106	70 - 130	
m,p-Xylenes	0.200	0.2045		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1049		mg/Kg		105	70 - 130	
Surrogate	LCS	LCS	Limits					
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	110		70 - 130					
1,4-Difluorobenzene (Surr)	101		70 - 130					

Lab Sample ID: LCSD 880-59350/2-A

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59350

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.08796		mg/Kg		88	70 - 130	15	35
Toluene	0.100	0.09858		mg/Kg		99	70 - 130	20	35
Ethylbenzene	0.100	0.08246		mg/Kg		82	70 - 130	25	35
m,p-Xylenes	0.200	0.1572		mg/Kg		79	70 - 130	26	35
o-Xylene	0.100	0.08079		mg/Kg		81	70 - 130	26	35
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	94		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: MB 880-59352/5-A

Matrix: Solid

Analysis Batch: 59295

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59352

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:47	08/05/23 02:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:47	08/05/23 02:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:47	08/05/23 02:03	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/04/23 14:47	08/05/23 02:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 14:47	08/05/23 02:03	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/04/23 14:47	08/05/23 02:03	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	105		70 - 130	08/04/23 14:47	08/05/23 02:03	1
1,4-Difluorobenzene (Surr)	125		70 - 130	08/04/23 14:47	08/05/23 02:03	1

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

Lab Sample ID: MB 880-59577/1-A
Matrix: Solid
Analysis Batch: 59809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59577

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/07/23 18:10	08/10/23 07:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/07/23 18:10	08/10/23 07:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/07/23 18:10	08/10/23 07:26	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	162	S1+	70 - 130	08/07/23 18:10	08/10/23 07:26	1
o-Terphenyl (Surr)	177	S1+	70 - 130	08/07/23 18:10	08/10/23 07:26	1

Lab Sample ID: LCS 880-59577/2-A
Matrix: Solid
Analysis Batch: 59809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59577

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	968.8		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	938.0		mg/Kg		94	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-59577/3-A
Matrix: Solid
Analysis Batch: 59809

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59577

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	904.9		mg/Kg		90	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	931.5		mg/Kg		93	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	113		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

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

Lab Sample ID: MB 880-59578/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 59805						Prep Batch: 59578			
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		08/07/23 18:14	08/10/23 20:02	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/07/23 18:14	08/10/23 20:02	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/07/23 18:14	08/10/23 20:02	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	80		70 - 130			08/07/23 18:14	08/10/23 20:02	1	
o-Terphenyl (Surr)	86		70 - 130			08/07/23 18:14	08/10/23 20:02	1	

Lab Sample ID: LCS 880-59578/2-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 59805						Prep Batch: 59578			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	812.9		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	110		70 - 130						
o-Terphenyl (Surr)	101		70 - 130						

Lab Sample ID: LCSD 880-59578/3-A						Client Sample ID: Lab Control Sample Dup			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 59805						Prep Batch: 59578			
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	837.5		mg/Kg		84	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	917.6		mg/Kg		92	70 - 130	12	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	91		70 - 130						
o-Terphenyl (Surr)	83		70 - 130						

Lab Sample ID: 880-31432-20 MS						Client Sample ID: C-83 1'			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 59805						Prep Batch: 59578			
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	1010	732.1		mg/Kg		71	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	832.1		mg/Kg		80	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

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

Lab Sample ID: 880-31432-20 MS

Matrix: Solid

Analysis Batch: 59805

Client Sample ID: C-83 1'

Prep Type: Total/NA

Prep Batch: 59578

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	81		70 - 130

Lab Sample ID: 880-31432-20 MSD

Matrix: Solid

Analysis Batch: 59805

Client Sample ID: C-83 1'

Prep Type: Total/NA

Prep Batch: 59578

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	1000	802.5		mg/Kg		78	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	977.0		mg/Kg		95	70 - 130	16	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	93		70 - 130

Lab Sample ID: MB 880-59848/1-A

Matrix: Solid

Analysis Batch: 59901

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59848

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		08/10/23 11:15	08/11/23 07:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/10/23 11:15	08/11/23 07:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/10/23 11:15	08/11/23 07:45	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	107		70 - 130	08/10/23 11:15	08/11/23 07:45	1		
o-Terphenyl (Surr)	132	S1+	70 - 130	08/10/23 11:15	08/11/23 07:45	1		

Lab Sample ID: LCS 880-59848/2-A

Matrix: Solid

Analysis Batch: 59901

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1072		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1077		mg/Kg		108	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	121		70 - 130
o-Terphenyl (Surr)	155	S1+	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-59848/3-A

Matrix: Solid

Analysis Batch: 59901

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59848

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1016		mg/Kg		102	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1071		mg/Kg		107	70 - 130	1	20
		LCSD %Recovery	LCSD Qualifier						
Surrogate				Limits					
1-Chlorooctane (Surr)		123		70 - 130					
o-Terphenyl (Surr)		156	S1+	70 - 130					

Lab Sample ID: 880-31432-4 MS

Matrix: Solid

Analysis Batch: 59901

Client Sample ID: C-67 1'

Prep Type: Total/NA

Prep Batch: 59848

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	<49.8	U H	991	1061		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	89.0	H	991	1146		mg/Kg		107	70 - 130		
		MS %Recovery	MS Qualifier								
Surrogate				Limits							
1-Chlorooctane (Surr)		126		70 - 130							
o-Terphenyl (Surr)		132	S1+	70 - 130							

Lab Sample ID: 880-31432-4 MSD

Matrix: Solid

Analysis Batch: 59901

Client Sample ID: C-67 1'

Prep Type: Total/NA

Prep Batch: 59848

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 H	1010	1021		mg/Kg		97	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	89.0	H	1010	1085		mg/Kg		99	70 - 130	6	20
		MSD %Recovery	MSD Qualifier								
Surrogate				Limits							
1-Chlorooctane (Surr)		117		70 - 130							
o-Terphenyl (Surr)		121		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58865/1-A

Matrix: Solid

Analysis Batch: 59043

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/02/23 10:08	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-58865/2-A
Matrix: Solid
Analysis Batch: 59043

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	168.6	*-	mg/Kg		67	90 - 110

Lab Sample ID: LCSD 880-58865/3-A
Matrix: Solid
Analysis Batch: 59043

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	238.2	*1	mg/Kg		95	90 - 110	34	20

Lab Sample ID: MB 880-58866/1-A
Matrix: Solid
Analysis Batch: 59044

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/02/23 19:27	1

Lab Sample ID: LCS 880-58866/2-A
Matrix: Solid
Analysis Batch: 59044

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.5		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-58866/3-A
Matrix: Solid
Analysis Batch: 59044

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	240.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-31432-1 MS
Matrix: Solid
Analysis Batch: 59044

Client Sample ID: C-64 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	969		1250	2236		mg/Kg		102	90 - 110

Lab Sample ID: 880-31432-1 MSD
Matrix: Solid
Analysis Batch: 59044

Client Sample ID: C-64 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	969		1250	2238		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-31432-11 MS
Matrix: Solid
Analysis Batch: 59044

Client Sample ID: C-74 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	133		248	356.4		mg/Kg		90	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-31432-11 MSD							Client Sample ID: C-74 1'					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 59044												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	133		248	356.3		mg/Kg		90	90 - 110	0	20	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

GC VOA

Analysis Batch: 59295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-1	C-64 1'	Total/NA	Solid	8021B	59349
880-31432-2	C-65 1'	Total/NA	Solid	8021B	59349
880-31432-3	C-66 1'	Total/NA	Solid	8021B	59349
880-31432-4	C-67 1'	Total/NA	Solid	8021B	59349
880-31432-5	C-68 1'	Total/NA	Solid	8021B	59349
880-31432-6	C-69 1'	Total/NA	Solid	8021B	59349
880-31432-7	C-70 1'	Total/NA	Solid	8021B	59349
880-31432-8	C-71 1'	Total/NA	Solid	8021B	59349
880-31432-9	C-72 1'	Total/NA	Solid	8021B	59349
880-31432-10	C-73 1'	Total/NA	Solid	8021B	59349
880-31432-11	C-74 1'	Total/NA	Solid	8021B	59349
880-31432-12	C-75 1'	Total/NA	Solid	8021B	59349
880-31432-13	C-76 1'	Total/NA	Solid	8021B	59349
880-31432-14	C-77 1'	Total/NA	Solid	8021B	59349
880-31432-15	C-78 1'	Total/NA	Solid	8021B	59349
880-31432-16	C-79 1'	Total/NA	Solid	8021B	59349
880-31432-17	C-80 1'	Total/NA	Solid	8021B	59349
880-31432-18	C-81 1'	Total/NA	Solid	8021B	59349
880-31432-19	C-82 1'	Total/NA	Solid	8021B	59349
880-31432-20	C-83 1'	Total/NA	Solid	8021B	59349
MB 880-59349/5-A	Method Blank	Total/NA	Solid	8021B	59349
MB 880-59352/5-A	Method Blank	Total/NA	Solid	8021B	59352
LCS 880-59349/1-A	Lab Control Sample	Total/NA	Solid	8021B	59349
LCSD 880-59349/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59349
880-31432-1 MS	C-64 1'	Total/NA	Solid	8021B	59349
880-31432-1 MSD	C-64 1'	Total/NA	Solid	8021B	59349

Analysis Batch: 59296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-21	C-84 1'	Total/NA	Solid	8021B	59350
880-31432-22	C-85 1'	Total/NA	Solid	8021B	59350
880-31432-23	C-86 1'	Total/NA	Solid	8021B	59350
880-31432-24	C-87 0-1'	Total/NA	Solid	8021B	59350
880-31432-25	C-88 0-1'	Total/NA	Solid	8021B	59350
880-31432-26	C-89 0-1'	Total/NA	Solid	8021B	59350
MB 880-59346/5-A	Method Blank	Total/NA	Solid	8021B	59346
MB 880-59350/5-A	Method Blank	Total/NA	Solid	8021B	59350
LCS 880-59350/1-A	Lab Control Sample	Total/NA	Solid	8021B	59350
LCSD 880-59350/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59350

Prep Batch: 59346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59346/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 59349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-1	C-64 1'	Total/NA	Solid	5035	
880-31432-2	C-65 1'	Total/NA	Solid	5035	
880-31432-3	C-66 1'	Total/NA	Solid	5035	
880-31432-4	C-67 1'	Total/NA	Solid	5035	
880-31432-5	C-68 1'	Total/NA	Solid	5035	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

GC VOA (Continued)

Prep Batch: 59349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-6	C-69 1'	Total/NA	Solid	5035	
880-31432-7	C-70 1'	Total/NA	Solid	5035	
880-31432-8	C-71 1'	Total/NA	Solid	5035	
880-31432-9	C-72 1'	Total/NA	Solid	5035	
880-31432-10	C-73 1'	Total/NA	Solid	5035	
880-31432-11	C-74 1'	Total/NA	Solid	5035	
880-31432-12	C-75 1'	Total/NA	Solid	5035	
880-31432-13	C-76 1'	Total/NA	Solid	5035	
880-31432-14	C-77 1'	Total/NA	Solid	5035	
880-31432-15	C-78 1'	Total/NA	Solid	5035	
880-31432-16	C-79 1'	Total/NA	Solid	5035	
880-31432-17	C-80 1'	Total/NA	Solid	5035	
880-31432-18	C-81 1'	Total/NA	Solid	5035	
880-31432-19	C-82 1'	Total/NA	Solid	5035	
880-31432-20	C-83 1'	Total/NA	Solid	5035	
MB 880-59349/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59349/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59349/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31432-1 MS	C-64 1'	Total/NA	Solid	5035	
880-31432-1 MSD	C-64 1'	Total/NA	Solid	5035	

Prep Batch: 59350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-21	C-84 1'	Total/NA	Solid	5035	
880-31432-22	C-85 1'	Total/NA	Solid	5035	
880-31432-23	C-86 1'	Total/NA	Solid	5035	
880-31432-24	C-87 0-1'	Total/NA	Solid	5035	
880-31432-25	C-88 0-1'	Total/NA	Solid	5035	
880-31432-26	C-89 0-1'	Total/NA	Solid	5035	
MB 880-59350/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59350/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59350/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 59352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59352/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 59555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-1	C-64 1'	Total/NA	Solid	Total BTEX	
880-31432-2	C-65 1'	Total/NA	Solid	Total BTEX	
880-31432-3	C-66 1'	Total/NA	Solid	Total BTEX	
880-31432-4	C-67 1'	Total/NA	Solid	Total BTEX	
880-31432-5	C-68 1'	Total/NA	Solid	Total BTEX	
880-31432-6	C-69 1'	Total/NA	Solid	Total BTEX	
880-31432-7	C-70 1'	Total/NA	Solid	Total BTEX	
880-31432-8	C-71 1'	Total/NA	Solid	Total BTEX	
880-31432-9	C-72 1'	Total/NA	Solid	Total BTEX	
880-31432-10	C-73 1'	Total/NA	Solid	Total BTEX	
880-31432-11	C-74 1'	Total/NA	Solid	Total BTEX	
880-31432-12	C-75 1'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

GC VOA (Continued)

Analysis Batch: 59555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-13	C-76 1'	Total/NA	Solid	Total BTEX	
880-31432-14	C-77 1'	Total/NA	Solid	Total BTEX	
880-31432-15	C-78 1'	Total/NA	Solid	Total BTEX	
880-31432-16	C-79 1'	Total/NA	Solid	Total BTEX	
880-31432-17	C-80 1'	Total/NA	Solid	Total BTEX	
880-31432-18	C-81 1'	Total/NA	Solid	Total BTEX	
880-31432-19	C-82 1'	Total/NA	Solid	Total BTEX	
880-31432-20	C-83 1'	Total/NA	Solid	Total BTEX	
880-31432-21	C-84 1'	Total/NA	Solid	Total BTEX	
880-31432-22	C-85 1'	Total/NA	Solid	Total BTEX	
880-31432-23	C-86 1'	Total/NA	Solid	Total BTEX	
880-31432-24	C-87 0-1'	Total/NA	Solid	Total BTEX	
880-31432-25	C-88 0-1'	Total/NA	Solid	Total BTEX	
880-31432-26	C-89 0-1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-1	C-64 1'	Total/NA	Solid	8015NM Prep	
880-31432-2	C-65 1'	Total/NA	Solid	8015NM Prep	
880-31432-3	C-66 1'	Total/NA	Solid	8015NM Prep	
880-31432-12	C-75 1'	Total/NA	Solid	8015NM Prep	
880-31432-13	C-76 1'	Total/NA	Solid	8015NM Prep	
880-31432-14	C-77 1'	Total/NA	Solid	8015NM Prep	
880-31432-15	C-78 1'	Total/NA	Solid	8015NM Prep	
880-31432-16	C-79 1'	Total/NA	Solid	8015NM Prep	
880-31432-17	C-80 1'	Total/NA	Solid	8015NM Prep	
880-31432-18	C-81 1'	Total/NA	Solid	8015NM Prep	
880-31432-19	C-82 1'	Total/NA	Solid	8015NM Prep	
MB 880-59577/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59577/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59577/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 59578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-20	C-83 1'	Total/NA	Solid	8015NM Prep	
880-31432-21	C-84 1'	Total/NA	Solid	8015NM Prep	
880-31432-22	C-85 1'	Total/NA	Solid	8015NM Prep	
880-31432-23	C-86 1'	Total/NA	Solid	8015NM Prep	
880-31432-24	C-87 0-1'	Total/NA	Solid	8015NM Prep	
880-31432-25	C-88 0-1'	Total/NA	Solid	8015NM Prep	
880-31432-26	C-89 0-1'	Total/NA	Solid	8015NM Prep	
MB 880-59578/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59578/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59578/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31432-20 MS	C-83 1'	Total/NA	Solid	8015NM Prep	
880-31432-20 MSD	C-83 1'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

GC Semi VOA

Analysis Batch: 59805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-20	C-83 1'	Total/NA	Solid	8015B NM	59578
880-31432-21	C-84 1'	Total/NA	Solid	8015B NM	59578
880-31432-22	C-85 1'	Total/NA	Solid	8015B NM	59578
880-31432-23	C-86 1'	Total/NA	Solid	8015B NM	59578
880-31432-24	C-87 0-1'	Total/NA	Solid	8015B NM	59578
880-31432-25	C-88 0-1'	Total/NA	Solid	8015B NM	59578
880-31432-26	C-89 0-1'	Total/NA	Solid	8015B NM	59578
MB 880-59578/1-A	Method Blank	Total/NA	Solid	8015B NM	59578
LCS 880-59578/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59578
LCSD 880-59578/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59578
880-31432-20 MS	C-83 1'	Total/NA	Solid	8015B NM	59578
880-31432-20 MSD	C-83 1'	Total/NA	Solid	8015B NM	59578

Analysis Batch: 59809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-1	C-64 1'	Total/NA	Solid	8015B NM	59577
880-31432-2	C-65 1'	Total/NA	Solid	8015B NM	59577
880-31432-3	C-66 1'	Total/NA	Solid	8015B NM	59577
880-31432-12	C-75 1'	Total/NA	Solid	8015B NM	59577
880-31432-13	C-76 1'	Total/NA	Solid	8015B NM	59577
880-31432-14	C-77 1'	Total/NA	Solid	8015B NM	59577
880-31432-15	C-78 1'	Total/NA	Solid	8015B NM	59577
880-31432-16	C-79 1'	Total/NA	Solid	8015B NM	59577
880-31432-17	C-80 1'	Total/NA	Solid	8015B NM	59577
880-31432-18	C-81 1'	Total/NA	Solid	8015B NM	59577
880-31432-19	C-82 1'	Total/NA	Solid	8015B NM	59577
MB 880-59577/1-A	Method Blank	Total/NA	Solid	8015B NM	59577
LCS 880-59577/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59577
LCSD 880-59577/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59577

Prep Batch: 59848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-4	C-67 1'	Total/NA	Solid	8015NM Prep	
880-31432-5	C-68 1'	Total/NA	Solid	8015NM Prep	
880-31432-6	C-69 1'	Total/NA	Solid	8015NM Prep	
880-31432-7	C-70 1'	Total/NA	Solid	8015NM Prep	
880-31432-8	C-71 1'	Total/NA	Solid	8015NM Prep	
880-31432-9	C-72 1'	Total/NA	Solid	8015NM Prep	
880-31432-10	C-73 1'	Total/NA	Solid	8015NM Prep	
880-31432-11	C-74 1'	Total/NA	Solid	8015NM Prep	
MB 880-59848/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59848/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31432-4 MS	C-67 1'	Total/NA	Solid	8015NM Prep	
880-31432-4 MSD	C-67 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-1	C-64 1'	Total/NA	Solid	8015 NM	
880-31432-2	C-65 1'	Total/NA	Solid	8015 NM	
880-31432-3	C-66 1'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Analysis Batch: 59876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-4	C-67 1'	Total/NA	Solid	8015 NM	
880-31432-5	C-68 1'	Total/NA	Solid	8015 NM	
880-31432-6	C-69 1'	Total/NA	Solid	8015 NM	
880-31432-7	C-70 1'	Total/NA	Solid	8015 NM	
880-31432-8	C-71 1'	Total/NA	Solid	8015 NM	
880-31432-9	C-72 1'	Total/NA	Solid	8015 NM	
880-31432-10	C-73 1'	Total/NA	Solid	8015 NM	
880-31432-11	C-74 1'	Total/NA	Solid	8015 NM	
880-31432-12	C-75 1'	Total/NA	Solid	8015 NM	
880-31432-13	C-76 1'	Total/NA	Solid	8015 NM	
880-31432-14	C-77 1'	Total/NA	Solid	8015 NM	
880-31432-15	C-78 1'	Total/NA	Solid	8015 NM	
880-31432-16	C-79 1'	Total/NA	Solid	8015 NM	
880-31432-17	C-80 1'	Total/NA	Solid	8015 NM	
880-31432-18	C-81 1'	Total/NA	Solid	8015 NM	
880-31432-19	C-82 1'	Total/NA	Solid	8015 NM	
880-31432-20	C-83 1'	Total/NA	Solid	8015 NM	
880-31432-21	C-84 1'	Total/NA	Solid	8015 NM	
880-31432-22	C-85 1'	Total/NA	Solid	8015 NM	
880-31432-23	C-86 1'	Total/NA	Solid	8015 NM	
880-31432-24	C-87 0-1'	Total/NA	Solid	8015 NM	
880-31432-25	C-88 0-1'	Total/NA	Solid	8015 NM	
880-31432-26	C-89 0-1'	Total/NA	Solid	8015 NM	

Analysis Batch: 59901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-4	C-67 1'	Total/NA	Solid	8015B NM	59848
880-31432-5	C-68 1'	Total/NA	Solid	8015B NM	59848
880-31432-6	C-69 1'	Total/NA	Solid	8015B NM	59848
880-31432-7	C-70 1'	Total/NA	Solid	8015B NM	59848
880-31432-8	C-71 1'	Total/NA	Solid	8015B NM	59848
880-31432-9	C-72 1'	Total/NA	Solid	8015B NM	59848
880-31432-10	C-73 1'	Total/NA	Solid	8015B NM	59848
880-31432-11	C-74 1'	Total/NA	Solid	8015B NM	59848
MB 880-59848/1-A	Method Blank	Total/NA	Solid	8015B NM	59848
LCS 880-59848/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59848
LCSD 880-59848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59848
880-31432-4 MS	C-67 1'	Total/NA	Solid	8015B NM	59848
880-31432-4 MSD	C-67 1'	Total/NA	Solid	8015B NM	59848

HPLC/IC

Leach Batch: 58865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-21	C-84 1'	Soluble	Solid	DI Leach	
880-31432-22	C-85 1'	Soluble	Solid	DI Leach	
880-31432-23	C-86 1'	Soluble	Solid	DI Leach	
880-31432-24	C-87 0-1'	Soluble	Solid	DI Leach	
880-31432-25	C-88 0-1'	Soluble	Solid	DI Leach	
880-31432-26	C-89 0-1'	Soluble	Solid	DI Leach	
MB 880-58865/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

HPLC/IC (Continued)

Leach Batch: 58865 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-58865/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58865/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 58866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-1	C-64 1'	Soluble	Solid	DI Leach	
880-31432-2	C-65 1'	Soluble	Solid	DI Leach	
880-31432-3	C-66 1'	Soluble	Solid	DI Leach	
880-31432-4	C-67 1'	Soluble	Solid	DI Leach	
880-31432-5	C-68 1'	Soluble	Solid	DI Leach	
880-31432-6	C-69 1'	Soluble	Solid	DI Leach	
880-31432-7	C-70 1'	Soluble	Solid	DI Leach	
880-31432-8	C-71 1'	Soluble	Solid	DI Leach	
880-31432-9	C-72 1'	Soluble	Solid	DI Leach	
880-31432-10	C-73 1'	Soluble	Solid	DI Leach	
880-31432-11	C-74 1'	Soluble	Solid	DI Leach	
880-31432-12	C-75 1'	Soluble	Solid	DI Leach	
880-31432-13	C-76 1'	Soluble	Solid	DI Leach	
880-31432-14	C-77 1'	Soluble	Solid	DI Leach	
880-31432-15	C-78 1'	Soluble	Solid	DI Leach	
880-31432-16	C-79 1'	Soluble	Solid	DI Leach	
880-31432-17	C-80 1'	Soluble	Solid	DI Leach	
880-31432-18	C-81 1'	Soluble	Solid	DI Leach	
880-31432-19	C-82 1'	Soluble	Solid	DI Leach	
880-31432-20	C-83 1'	Soluble	Solid	DI Leach	
MB 880-58866/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58866/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58866/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31432-1 MS	C-64 1'	Soluble	Solid	DI Leach	
880-31432-1 MSD	C-64 1'	Soluble	Solid	DI Leach	
880-31432-11 MS	C-74 1'	Soluble	Solid	DI Leach	
880-31432-11 MSD	C-74 1'	Soluble	Solid	DI Leach	

Analysis Batch: 59043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-21	C-84 1'	Soluble	Solid	300.0	58865
880-31432-22	C-85 1'	Soluble	Solid	300.0	58865
880-31432-23	C-86 1'	Soluble	Solid	300.0	58865
880-31432-24	C-87 0-1'	Soluble	Solid	300.0	58865
880-31432-25	C-88 0-1'	Soluble	Solid	300.0	58865
880-31432-26	C-89 0-1'	Soluble	Solid	300.0	58865
MB 880-58865/1-A	Method Blank	Soluble	Solid	300.0	58865
LCS 880-58865/2-A	Lab Control Sample	Soluble	Solid	300.0	58865
LCSD 880-58865/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58865

Analysis Batch: 59044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-1	C-64 1'	Soluble	Solid	300.0	58866
880-31432-2	C-65 1'	Soluble	Solid	300.0	58866
880-31432-3	C-66 1'	Soluble	Solid	300.0	58866
880-31432-4	C-67 1'	Soluble	Solid	300.0	58866

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

HPLC/IC (Continued)

Analysis Batch: 59044 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31432-5	C-68 1'	Soluble	Solid	300.0	58866
880-31432-6	C-69 1'	Soluble	Solid	300.0	58866
880-31432-7	C-70 1'	Soluble	Solid	300.0	58866
880-31432-8	C-71 1'	Soluble	Solid	300.0	58866
880-31432-9	C-72 1'	Soluble	Solid	300.0	58866
880-31432-10	C-73 1'	Soluble	Solid	300.0	58866
880-31432-11	C-74 1'	Soluble	Solid	300.0	58866
880-31432-12	C-75 1'	Soluble	Solid	300.0	58866
880-31432-13	C-76 1'	Soluble	Solid	300.0	58866
880-31432-14	C-77 1'	Soluble	Solid	300.0	58866
880-31432-15	C-78 1'	Soluble	Solid	300.0	58866
880-31432-16	C-79 1'	Soluble	Solid	300.0	58866
880-31432-17	C-80 1'	Soluble	Solid	300.0	58866
880-31432-18	C-81 1'	Soluble	Solid	300.0	58866
880-31432-19	C-82 1'	Soluble	Solid	300.0	58866
880-31432-20	C-83 1'	Soluble	Solid	300.0	58866
MB 880-58866/1-A	Method Blank	Soluble	Solid	300.0	58866
LCS 880-58866/2-A	Lab Control Sample	Soluble	Solid	300.0	58866
LCSD 880-58866/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58866
880-31432-1 MS	C-64 1'	Soluble	Solid	300.0	58866
880-31432-1 MSD	C-64 1'	Soluble	Solid	300.0	58866
880-31432-11 MS	C-74 1'	Soluble	Solid	300.0	58866
880-31432-11 MSD	C-74 1'	Soluble	Solid	300.0	58866

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-64 1'
Date Collected: 07/25/23 07:00
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-1
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			4.95 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 14:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/10/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 11:10	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	59044	08/02/23 19:42	CH	EET MID

Client Sample ID: C-65 1'
Date Collected: 07/25/23 07:05
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-2
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			4.98 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 14:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/10/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 11:33	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 19:57	CH	EET MID

Client Sample ID: C-66 1'
Date Collected: 07/25/23 07:10
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-3
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			5.01 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 14:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/10/23 15:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 11:55	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 20:02	CH	EET MID

Client Sample ID: C-67 1'
Date Collected: 07/25/23 07:15
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-4
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			5.04 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 16:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-67 1'
Date Collected: 07/25/23 07:15
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-4
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			59876	08/15/23 07:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59848	08/10/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 10:31	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	59044	08/02/23 20:06	CH	EET MID

Client Sample ID: C-68 1'
Date Collected: 07/25/23 07:20
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-5
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			4.96 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 16:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/15/23 07:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59848	08/07/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 11:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	59044	08/02/23 20:11	CH	EET MID

Client Sample ID: C-69 1'
Date Collected: 07/25/23 07:25
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-6
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			4.98 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 16:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/15/23 07:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	59848	08/07/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 12:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 20:26	CH	EET MID

Client Sample ID: C-70 1'
Date Collected: 07/25/23 07:30
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-7
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	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 17:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/15/23 07:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59848	08/07/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 12:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-70 1'
Date Collected: 07/25/23 07:30
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-7
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 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 20:31	CH	EET MID

Client Sample ID: C-71 1'
Date Collected: 07/25/23 07:35
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-8
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	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 17:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/15/23 07:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59848	08/07/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 12:46	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	59044	08/02/23 20:36	CH	EET MID

Client Sample ID: C-72 1'
Date Collected: 07/25/23 07:40
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-9
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			5.04 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 17:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/15/23 07:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59848	08/07/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 13:08	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 20:41	CH	EET MID

Client Sample ID: C-73 1'
Date Collected: 07/25/23 07:45
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-10
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	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 18:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/15/23 07:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59848	08/07/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 13:30	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 20:46	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-74 1'
Date Collected: 07/25/23 07:50
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-11
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	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 19:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/15/23 07:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59848	08/07/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 20:51	CH	EET MID

Client Sample ID: C-75 1'
Date Collected: 07/25/23 07:55
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-12
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	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 20:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 13:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 15:46	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	59044	08/02/23 21:06	CH	EET MID

Client Sample ID: C-76 1'
Date Collected: 07/25/23 08:00
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-13
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	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 20:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 13:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 16:09	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 21:11	CH	EET MID

Client Sample ID: C-77 1'
Date Collected: 07/25/23 08:05
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-14
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			4.98 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 20:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-77 1'
Date Collected: 07/25/23 08:05
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-14
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			59876	08/11/23 13:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 16:31	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 21:26	CH	EET MID

Client Sample ID: C-78 1'
Date Collected: 07/25/23 08:10
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 21:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 13:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 16:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 21:31	CH	EET MID

Client Sample ID: C-79 1'
Date Collected: 07/25/23 08:15
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-16
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			5.02 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 21:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 13:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 17:16	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 21:36	CH	EET MID

Client Sample ID: C-80 1'
Date Collected: 07/25/23 08:20
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-17
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			5.03 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 21:58	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 13:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 17:39	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-80 1'
Date Collected: 07/25/23 08:20
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-17
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			5 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 21:41	CH	EET MID

Client Sample ID: C-81 1'
Date Collected: 07/25/23 08:25
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-18
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			5.05 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 22:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 13:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 18:02	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 21:46	CH	EET MID

Client Sample ID: C-82 1'
Date Collected: 07/25/23 08:30
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-19
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			4.98 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 22:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 13:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59577	08/07/23 18:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59809	08/10/23 18:25	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 21:51	CH	EET MID

Client Sample ID: C-83 1'
Date Collected: 07/25/23 08:40
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-20
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			4.96 g	5 mL	59349	08/04/23 14:11	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59295	08/05/23 22:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 11:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59578	08/07/23 18:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59805	08/10/23 21:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	58866	07/31/23 12:32	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59044	08/02/23 21:56	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-84 1'
Date Collected: 07/25/23 08:45
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-21
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	59350	08/04/23 14:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/05/23 11:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 11:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59578	08/07/23 18:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59805	08/10/23 22:20	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	58865	07/31/23 12:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59043	08/02/23 12:12	CH	EET MID

Client Sample ID: C-85 1'
Date Collected: 07/25/23 08:50
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-22
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			4.96 g	5 mL	59350	08/04/23 14:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/05/23 12:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 11:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59578	08/07/23 18:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59805	08/10/23 22:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58865	07/31/23 12:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59043	08/02/23 12:17	CH	EET MID

Client Sample ID: C-86 1'
Date Collected: 07/25/23 09:00
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-23
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	59350	08/04/23 14:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/05/23 12:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 11:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	59578	08/07/23 18:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59805	08/10/23 23:05	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	58865	07/31/23 12:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59043	08/02/23 12:22	CH	EET MID

Client Sample ID: C-87 0-1'
Date Collected: 07/25/23 09:25
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-24
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	59350	08/04/23 14:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/05/23 12:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 16:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Client Sample ID: C-87 0-1'
Date Collected: 07/25/23 09:25
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-24
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			59876	08/11/23 11:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59578	08/07/23 18:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59805	08/10/23 23:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	58865	07/31/23 12:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59043	08/02/23 12:27	CH	EET MID

Client Sample ID: C-88 0-1'
Date Collected: 07/25/23 09:35
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-25
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			4.98 g	5 mL	59350	08/04/23 14:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/05/23 13:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 11:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59578	08/07/23 18:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59805	08/10/23 23:49	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	58865	07/31/23 12:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59043	08/02/23 12:32	CH	EET MID

Client Sample ID: C-89 0-1'
Date Collected: 07/25/23 09:45
Date Received: 07/31/23 09:30

Lab Sample ID: 880-31432-26
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	59350	08/04/23 14:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/05/23 13:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59555	08/07/23 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			59876	08/11/23 11:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59578	08/07/23 18:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59805	08/11/23 00:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58865	07/31/23 12:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59043	08/02/23 12:37	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: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

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	T104704400-23-26	06-30-24

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

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

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: Salado Draw 24 23

Job ID: 880-31432-1
SDG: 21-0100-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31432-1	C-64 1'	Solid	07/25/23 07:00	07/31/23 09:30
880-31432-2	C-65 1'	Solid	07/25/23 07:05	07/31/23 09:30
880-31432-3	C-66 1'	Solid	07/25/23 07:10	07/31/23 09:30
880-31432-4	C-67 1'	Solid	07/25/23 07:15	07/31/23 09:30
880-31432-5	C-68 1'	Solid	07/25/23 07:20	07/31/23 09:30
880-31432-6	C-69 1'	Solid	07/25/23 07:25	07/31/23 09:30
880-31432-7	C-70 1'	Solid	07/25/23 07:30	07/31/23 09:30
880-31432-8	C-71 1'	Solid	07/25/23 07:35	07/31/23 09:30
880-31432-9	C-72 1'	Solid	07/25/23 07:40	07/31/23 09:30
880-31432-10	C-73 1'	Solid	07/25/23 07:45	07/31/23 09:30
880-31432-11	C-74 1'	Solid	07/25/23 07:50	07/31/23 09:30
880-31432-12	C-75 1'	Solid	07/25/23 07:55	07/31/23 09:30
880-31432-13	C-76 1'	Solid	07/25/23 08:00	07/31/23 09:30
880-31432-14	C-77 1'	Solid	07/25/23 08:05	07/31/23 09:30
880-31432-15	C-78 1'	Solid	07/25/23 08:10	07/31/23 09:30
880-31432-16	C-79 1'	Solid	07/25/23 08:15	07/31/23 09:30
880-31432-17	C-80 1'	Solid	07/25/23 08:20	07/31/23 09:30
880-31432-18	C-81 1'	Solid	07/25/23 08:25	07/31/23 09:30
880-31432-19	C-82 1'	Solid	07/25/23 08:30	07/31/23 09:30
880-31432-20	C-83 1'	Solid	07/25/23 08:40	07/31/23 09:30
880-31432-21	C-84 1'	Solid	07/25/23 08:45	07/31/23 09:30
880-31432-22	C-85 1'	Solid	07/25/23 08:50	07/31/23 09:30
880-31432-23	C-86 1'	Solid	07/25/23 09:00	07/31/23 09:30
880-31432-24	C-87 0-1'	Solid	07/25/23 09:25	07/31/23 09:30
880-31432-25	C-88 0-1'	Solid	07/25/23 09:35	07/31/23 09:30
880-31432-26	C-89 0-1'	Solid	07/25/23 09:45	07/31/23 09:30

31432 No. 2758
CHAIN-OF-CUSTODY

Varson & Associates, Inc. Environmental Consultants

507 N. Marientfeld, Ste. 202
Midland, TX 79701
432-687-0901

Date Reported to

ROBERT NEESON / MAC COMPANY

DATE 7/28/23 PAGE 2 OF 2
PO# LAB WORK ORDER#
PROJECT LOCATION OR NAME SALADO DRAW 24 23
LAI PROJECT # 21-0100-07 COLLECTOR STAN BATES

TRRP report?
☐ Yes ☒ No

S=SOIL
W=WATER
A=AIR
P=PAINT
SL=SLUDGE
OT=OTHER

TIME ZONE
Time zone/State

MWT

Field
Sample I D

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX ☐ MTBE ☐

TPH 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 ☐

TCLP - METALS (RCRA) ☐ TCLP VOC ☐

TCLP - PEST ☐ HERB ☐ Semi-VOC ☐

TOTAL METALS (RCRA) ☐ OTHER LIST ☐

LEAD - TOTAL ☐ DW 200 8 ☐ TCLP ☐

RCI ☐ TOX ☐ FLASHPOINT ☐

TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐

pH ☐ HEXAVALENT CHROMIUM ☐

EXPLOSIVES ☐ PECTHOLATE ☐

CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

Loc: 880
31432

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

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: 880-31432-1

SDG Number: 21-0100-07

Login Number: 31432

List Number: 1

Creator: Rodriguez, Leticia

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Mark J Larson
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 12/15/2023 11:38:11 AM

JOB DESCRIPTION

SD WE 24 FED 23
21-0100-07

JOB NUMBER

880-36740-1

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

Holly Taylor

Generated
12/15/2023 11:38:11 AM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Laboratory Job ID: 880-36740-1
SDG: 21-0100-07

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Qualifiers

GC 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.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Job ID: 880-36740-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-36740-1**

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 12/11/2023 8:56 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 -2.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-90 1' (880-36740-1), C-91 1' (880-36740-2), C-92 2' (880-36740-3), C-93 2' (880-36740-4), C-94 2' (880-36740-5), C-95 2' (880-36740-6), C-96 2' (880-36740-7), C-97 2' (880-36740-8), C-98 2' (880-36740-9), C-99 2' (880-36740-10), C-100 2' (880-36740-11), C-101 2' (880-36740-12), C-102 2' (880-36740-13), C-103 2' (880-36740-14), C-104 2' (880-36740-15), C-105 2' (880-36740-16), C-106 2' (880-36740-17), C-107 2' (880-36740-18), C-108 0-2' (880-36740-19) and C-109 0-2' (880-36740-20).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-68922/1-A) and (LCSD 880-68922/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-36740-A-1-G MS) and (880-36740-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-90 1' (880-36740-1), C-91 1' (880-36740-2), C-92 2' (880-36740-3), C-93 2' (880-36740-4), C-94 2' (880-36740-5), C-95 2' (880-36740-6), C-96 2' (880-36740-7), C-97 2' (880-36740-8), C-99 2' (880-36740-10), C-100 2' (880-36740-11), C-101 2' (880-36740-12), C-102 2' (880-36740-13), C-103 2' (880-36740-14), C-104 2' (880-36740-15), C-105 2' (880-36740-16) and C-106 2' (880-36740-17). 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-68849 and analytical batch 880-68881 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-68881/20), (CCV 880-68881/31), (CCV 880-68881/47), (CCV 880-68881/5), (CCV 880-68881/58) and (LCS 880-68849/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-68849 and analytical batch 880-68881 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.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Job ID: 880-36740-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-90 1'

Lab Sample ID: 880-36740-1

Date Collected: 12/07/23 09:20

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 14:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 14:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 14:19	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 14:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 14:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	12/12/23 11:18	12/12/23 14:19	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	12/12/23 11:18	12/12/23 14:19	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			12/12/23 14:19	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			12/12/23 10:42	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	<50.0	U F1	50.0	mg/Kg		12/11/23 14:09	12/12/23 10:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0	mg/Kg		12/11/23 14:09	12/12/23 10:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	12/11/23 14:09	12/12/23 10:42	1
o-Terphenyl (Surr)	86		70 - 130	12/11/23 14:09	12/12/23 10:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.99	mg/Kg			12/13/23 07:05	1

Client Sample ID: C-91 1'

Lab Sample ID: 880-36740-2

Date Collected: 12/07/23 09:25

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 14:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 14:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 14:45	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/12/23 11:18	12/12/23 14:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 14:45	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/12/23 11:18	12/12/23 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	12/12/23 11:18	12/12/23 14:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/12/23 11:18	12/12/23 14:45	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-91 1'

Lab Sample ID: 880-36740-2

Date Collected: 12/07/23 09:25

Matrix: Solid

Date Received: 12/11/23 08:56

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			12/12/23 14:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			12/12/23 11:48	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	<50.4	U	50.4	mg/Kg		12/11/23 14:09	12/12/23 11:48	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		12/11/23 14:09	12/12/23 11:48	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		12/11/23 14:09	12/12/23 11:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130			12/11/23 14:09	12/12/23 11:48	1
o-Terphenyl (Surr)	71		70 - 130			12/11/23 14:09	12/12/23 11:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	951		25.1	mg/Kg			12/13/23 07:25	5

Client Sample ID: C-92 2'

Lab Sample ID: 880-36740-3

Date Collected: 12/07/23 09:35

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 15:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 15:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 15:12	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/12/23 11:18	12/12/23 15:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 15:12	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/12/23 11:18	12/12/23 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130			12/12/23 11:18	12/12/23 15:12	1
1,4-Difluorobenzene (Surr)	114		70 - 130			12/12/23 11:18	12/12/23 15:12	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			12/12/23 15:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			12/12/23 12:11	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	<50.5	U	50.5	mg/Kg		12/11/23 14:09	12/12/23 12:11	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		12/11/23 14:09	12/12/23 12:11	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-92 2'

Date Collected: 12/07/23 09:35

Date Received: 12/11/23 08:56

Lab Sample ID: 880-36740-3

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)	<50.5	U	50.5	mg/Kg		12/11/23 14:09	12/12/23 12:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/11/23 14:09	12/12/23 12:11	1
o-Terphenyl (Surr)	88		70 - 130			12/11/23 14:09	12/12/23 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	661		25.0	mg/Kg			12/13/23 07:31	5

Client Sample ID: C-93 2'

Date Collected: 12/07/23 09:40

Date Received: 12/11/23 08:56

Lab Sample ID: 880-36740-4

Matrix: Solid

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		12/12/23 11:18	12/12/23 15:38	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 15:38	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 15:38	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 15:38	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 15:38	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130			12/12/23 11:18	12/12/23 15:38	1
1,4-Difluorobenzene (Surr)	72		70 - 130			12/12/23 11:18	12/12/23 15:38	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			12/12/23 15:38	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			12/12/23 12:34	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		12/11/23 14:09	12/12/23 12:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		12/11/23 14:09	12/12/23 12:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		12/11/23 14:09	12/12/23 12:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			12/11/23 14:09	12/12/23 12:34	1
o-Terphenyl (Surr)	87		70 - 130			12/11/23 14:09	12/12/23 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	324		5.05	mg/Kg			12/13/23 07:38	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-94 2'

Lab Sample ID: 880-36740-5

Date Collected: 12/07/23 09:45

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 16:04	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 16:04	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 16:04	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 16:04	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 16:04	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	12/12/23 11:18	12/12/23 16:04	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/12/23 11:18	12/12/23 16:04	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			12/12/23 16:04	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			12/12/23 12:57	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	<49.7	U	49.7	mg/Kg		12/11/23 14:09	12/12/23 12:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		12/11/23 14:09	12/12/23 12:57	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		12/11/23 14:09	12/12/23 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	12/11/23 14:09	12/12/23 12:57	1
o-Terphenyl (Surr)	81		70 - 130	12/11/23 14:09	12/12/23 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	703		5.03	mg/Kg			12/13/23 07:44	1

Client Sample ID: C-95 2'

Lab Sample ID: 880-36740-6

Date Collected: 12/07/23 09:50

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 16:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		12/12/23 11:18	12/12/23 16:30	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		12/12/23 11:18	12/12/23 16:30	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		12/12/23 11:18	12/12/23 16:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		12/12/23 11:18	12/12/23 16:30	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		12/12/23 11:18	12/12/23 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	12/12/23 11:18	12/12/23 16:30	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/12/23 11:18	12/12/23 16:30	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-95 2'

Lab Sample ID: 880-36740-6

Date Collected: 12/07/23 09:50

Matrix: Solid

Date Received: 12/11/23 08:56

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			12/12/23 16:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	85.4		49.9	mg/Kg			12/12/23 13:19	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		12/11/23 14:09	12/12/23 13:19	1
Diesel Range Organics (Over C10-C28)	85.4		49.9	mg/Kg		12/11/23 14:09	12/12/23 13:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/11/23 14:09	12/12/23 13:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			12/11/23 14:09	12/12/23 13:19	1
o-Terphenyl (Surr)	106		70 - 130			12/11/23 14:09	12/12/23 13:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	737		4.95	mg/Kg			12/13/23 08:04	1

Client Sample ID: C-96 2'

Lab Sample ID: 880-36740-7

Date Collected: 12/07/23 09:55

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 16:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 16:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 16:56	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 16:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 16:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 16:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			12/12/23 11:18	12/12/23 16:56	1
1,4-Difluorobenzene (Surr)	78		70 - 130			12/12/23 11:18	12/12/23 16:56	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			12/12/23 16:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.3		49.9	mg/Kg			12/12/23 13:42	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	<49.9	U	49.9	mg/Kg		12/11/23 14:09	12/12/23 13:42	1
Diesel Range Organics (Over C10-C28)	51.3		49.9	mg/Kg		12/11/23 14:09	12/12/23 13:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-96 2'

Date Collected: 12/07/23 09:55

Date Received: 12/11/23 08:56

Lab Sample ID: 880-36740-7

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)	<49.9	U	49.9	mg/Kg		12/11/23 14:09	12/12/23 13:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			12/11/23 14:09	12/12/23 13:42	1
o-Terphenyl (Surr)	93		70 - 130			12/11/23 14:09	12/12/23 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		25.1	mg/Kg			12/13/23 08:11	5

Client Sample ID: C-97 2'

Date Collected: 12/07/23 10:00

Date Received: 12/11/23 08:56

Lab Sample ID: 880-36740-8

Matrix: Solid

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		12/12/23 11:18	12/12/23 17:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 17:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 17:22	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/12/23 11:18	12/12/23 17:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 17:22	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/12/23 11:18	12/12/23 17:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			12/12/23 11:18	12/12/23 17:22	1
1,4-Difluorobenzene (Surr)	74		70 - 130			12/12/23 11:18	12/12/23 17:22	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			12/12/23 17:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			12/12/23 14:05	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	<49.6	U	49.6	mg/Kg		12/11/23 14:09	12/12/23 14:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		12/11/23 14:09	12/12/23 14:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		12/11/23 14:09	12/12/23 14:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			12/11/23 14:09	12/12/23 14:05	1
o-Terphenyl (Surr)	85		70 - 130			12/11/23 14:09	12/12/23 14:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		25.2	mg/Kg			12/13/23 08:17	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-98 2'

Lab Sample ID: 880-36740-9

Date Collected: 12/07/23 10:10

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 17:48	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 17:48	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 17:48	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 17:48	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 17:48	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/12/23 11:18	12/12/23 17:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/12/23 11:18	12/12/23 17:48	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			12/12/23 17:48	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			12/12/23 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	<50.3	U	50.3	mg/Kg		12/11/23 14:09	12/12/23 14:27	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		12/11/23 14:09	12/12/23 14:27	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		12/11/23 14:09	12/12/23 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130	12/11/23 14:09	12/12/23 14:27	1
o-Terphenyl (Surr)	89		70 - 130	12/11/23 14:09	12/12/23 14:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	279		5.00	mg/Kg			12/13/23 08:24	1

Client Sample ID: C-99 2'

Lab Sample ID: 880-36740-10

Date Collected: 12/07/23 10:15

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 18:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 18:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 18:15	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/12/23 11:18	12/12/23 18:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 18:15	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/12/23 11:18	12/12/23 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130	12/12/23 11:18	12/12/23 18:15	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/12/23 11:18	12/12/23 18:15	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-99 2'

Lab Sample ID: 880-36740-10

Date Collected: 12/07/23 10:15

Matrix: Solid

Date Received: 12/11/23 08:56

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			12/12/23 18:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			12/12/23 14:48	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	<50.2	U	50.2	mg/Kg		12/11/23 14:09	12/12/23 14:48	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		12/11/23 14:09	12/12/23 14:48	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		12/11/23 14:09	12/12/23 14:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			12/11/23 14:09	12/12/23 14:48	1
o-Terphenyl (Surr)	97		70 - 130			12/11/23 14:09	12/12/23 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	275		4.98	mg/Kg			12/13/23 08:30	1

Client Sample ID: C-100 2'

Lab Sample ID: 880-36740-11

Date Collected: 12/07/23 10:20

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 19:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 19:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 19:59	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 19:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 19:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 19:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130			12/12/23 11:18	12/12/23 19:59	1
1,4-Difluorobenzene (Surr)	98		70 - 130			12/12/23 11:18	12/12/23 19:59	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			12/12/23 19:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			12/12/23 15:32	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	<50.1	U	50.1	mg/Kg		12/11/23 14:09	12/12/23 15:32	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		12/11/23 14:09	12/12/23 15:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-100 2'

Lab Sample ID: 880-36740-11

Date Collected: 12/07/23 10:20

Matrix: Solid

Date Received: 12/11/23 08:56

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)	<50.1	U	50.1	mg/Kg		12/11/23 14:09	12/12/23 15:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			12/11/23 14:09	12/12/23 15:32	1
o-Terphenyl (Surr)	98		70 - 130			12/11/23 14:09	12/12/23 15:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	545		5.03	mg/Kg			12/13/23 08:37	1

Client Sample ID: C-101 2'

Lab Sample ID: 880-36740-12

Date Collected: 12/07/23 10:25

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 20:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 20:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 20:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 20:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 20:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 20:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130			12/12/23 11:18	12/12/23 20:25	1
1,4-Difluorobenzene (Surr)	118		70 - 130			12/12/23 11:18	12/12/23 20:25	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			12/12/23 20:25	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			12/12/23 15:53	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	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 15:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			12/11/23 14:09	12/12/23 15:53	1
o-Terphenyl (Surr)	90		70 - 130			12/11/23 14:09	12/12/23 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	661		5.03	mg/Kg			12/13/23 08:56	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-102 2'

Lab Sample ID: 880-36740-13

Date Collected: 12/07/23 10:30

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 20:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 20:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 20:52	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/12/23 11:18	12/12/23 20:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 20:52	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/12/23 11:18	12/12/23 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	198	S1+	70 - 130	12/12/23 11:18	12/12/23 20:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/12/23 11:18	12/12/23 20:52	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			12/12/23 20:52	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			12/12/23 16:16	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	<50.3	U	50.3	mg/Kg		12/11/23 14:09	12/12/23 16:16	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		12/11/23 14:09	12/12/23 16:16	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		12/11/23 14:09	12/12/23 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	12/11/23 14:09	12/12/23 16:16	1
o-Terphenyl (Surr)	94		70 - 130	12/11/23 14:09	12/12/23 16:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	333		4.96	mg/Kg			12/13/23 09:22	1

Client Sample ID: C-103 2'

Lab Sample ID: 880-36740-14

Date Collected: 12/07/23 10:40

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 21:18	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 21:18	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 21:18	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 21:18	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 21:18	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	12/12/23 11:18	12/12/23 21:18	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/12/23 11:18	12/12/23 21:18	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-103 2'

Lab Sample ID: 880-36740-14

Date Collected: 12/07/23 10:40

Matrix: Solid

Date Received: 12/11/23 08:56

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			12/12/23 21:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			12/12/23 16:38	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	<50.1	U	50.1	mg/Kg		12/11/23 14:09	12/12/23 16:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		12/11/23 14:09	12/12/23 16:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		12/11/23 14:09	12/12/23 16:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			12/11/23 14:09	12/12/23 16:38	1
o-Terphenyl (Surr)	84		70 - 130			12/11/23 14:09	12/12/23 16:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.5		5.04	mg/Kg			12/13/23 09:41	1

Client Sample ID: C-104 2'

Lab Sample ID: 880-36740-15

Date Collected: 12/07/23 10:45

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 21:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 21:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 21:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 21:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 21:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 21:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			12/12/23 11:18	12/12/23 21:44	1
1,4-Difluorobenzene (Surr)	105		70 - 130			12/12/23 11:18	12/12/23 21:44	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			12/12/23 21:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			12/12/23 16:59	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	<50.5	U	50.5	mg/Kg		12/11/23 14:09	12/12/23 16:59	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		12/11/23 14:09	12/12/23 16:59	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-104 2'

Lab Sample ID: 880-36740-15

Date Collected: 12/07/23 10:45

Matrix: Solid

Date Received: 12/11/23 08:56

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)	<50.5	U	50.5	mg/Kg		12/11/23 14:09	12/12/23 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			12/11/23 14:09	12/12/23 16:59	1
o-Terphenyl (Surr)	101		70 - 130			12/11/23 14:09	12/12/23 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		4.98	mg/Kg			12/13/23 09:48	1

Client Sample ID: C-105 2'

Lab Sample ID: 880-36740-16

Date Collected: 12/07/23 10:50

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 22:10	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 22:10	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 22:10	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 22:10	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 22:10	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 22:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	173	S1+	70 - 130			12/12/23 11:18	12/12/23 22:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130			12/12/23 11:18	12/12/23 22:10	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			12/12/23 22:10	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			12/12/23 17:21	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		12/11/23 14:09	12/12/23 17:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 17:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 17:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			12/11/23 14:09	12/12/23 17:21	1
o-Terphenyl (Surr)	90		70 - 130			12/11/23 14:09	12/12/23 17:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		4.96	mg/Kg			12/13/23 09:54	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-106 2'

Lab Sample ID: 880-36740-17

Date Collected: 12/07/23 10:55

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 22:36	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 22:36	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 22:36	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 22:36	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/12/23 11:18	12/12/23 22:36	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/12/23 11:18	12/12/23 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	183	S1+	70 - 130	12/12/23 11:18	12/12/23 22:36	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/12/23 11:18	12/12/23 22:36	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			12/12/23 22:36	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			12/12/23 17:44	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	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 17:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 17:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	12/11/23 14:09	12/12/23 17:44	1
o-Terphenyl (Surr)	94		70 - 130	12/11/23 14:09	12/12/23 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		4.97	mg/Kg			12/13/23 10:01	1

Client Sample ID: C-107 2'

Lab Sample ID: 880-36740-18

Date Collected: 12/07/23 11:00

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 23:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 23:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 23:02	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 23:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/12/23 11:18	12/12/23 23:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/12/23 11:18	12/12/23 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/12/23 11:18	12/12/23 23:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/12/23 11:18	12/12/23 23:02	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-107 2'

Lab Sample ID: 880-36740-18

Date Collected: 12/07/23 11:00

Matrix: Solid

Date Received: 12/11/23 08:56

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			12/12/23 23:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			12/12/23 18:05	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	<49.6	U	49.6	mg/Kg		12/11/23 14:09	12/12/23 18:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		12/11/23 14:09	12/12/23 18:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		12/11/23 14:09	12/12/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			12/11/23 14:09	12/12/23 18:05	1
o-Terphenyl (Surr)	92		70 - 130			12/11/23 14:09	12/12/23 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.4		5.05	mg/Kg			12/13/23 10:07	1

Client Sample ID: C-108 0-2'

Lab Sample ID: 880-36740-19

Date Collected: 12/07/23 11:20

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 23:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 23:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 23:29	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/12/23 11:18	12/12/23 23:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 23:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/12/23 11:18	12/12/23 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			12/12/23 11:18	12/12/23 23:29	1
1,4-Difluorobenzene (Surr)	92		70 - 130			12/12/23 11:18	12/12/23 23:29	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			12/12/23 23:29	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			12/12/23 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	<49.9	U	49.9	mg/Kg		12/11/23 14:09	12/12/23 18:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/11/23 14:09	12/12/23 18:27	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-108 0-2'

Lab Sample ID: 880-36740-19

Date Collected: 12/07/23 11:20

Matrix: Solid

Date Received: 12/11/23 08:56

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/11/23 14:09	12/12/23 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			12/11/23 14:09	12/12/23 18:27	1
o-Terphenyl (Surr)	88		70 - 130			12/11/23 14:09	12/12/23 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	342		5.02	mg/Kg			12/13/23 10:14	1

Client Sample ID: C-109 0-2'

Lab Sample ID: 880-36740-20

Date Collected: 12/07/23 11:30

Matrix: Solid

Date Received: 12/11/23 08:56

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		12/12/23 11:18	12/12/23 23:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/12/23 11:18	12/12/23 23:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		12/12/23 11:18	12/12/23 23:55	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/12/23 11:18	12/12/23 23:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		12/12/23 11:18	12/12/23 23:55	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/12/23 11:18	12/12/23 23:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			12/12/23 11:18	12/12/23 23:55	1
1,4-Difluorobenzene (Surr)	104		70 - 130			12/12/23 11:18	12/12/23 23:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			12/12/23 23:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			12/12/23 18:48	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	<50.2	U	50.2	mg/Kg		12/11/23 14:09	12/12/23 18:48	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		12/11/23 14:09	12/12/23 18:48	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		12/11/23 14:09	12/12/23 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			12/11/23 14:09	12/12/23 18:48	1
o-Terphenyl (Surr)	94		70 - 130			12/11/23 14:09	12/12/23 18:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.9		5.04	mg/Kg			12/13/23 10:20	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

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)
880-36740-1	C-90 1'	70	67 S1-
880-36740-1 MS	C-90 1'	143 S1+	89
880-36740-1 MSD	C-90 1'	135 S1+	75
880-36740-2	C-91 1'	140 S1+	97
880-36740-3	C-92 2'	158 S1+	114
880-36740-4	C-93 2'	132 S1+	72
880-36740-5	C-94 2'	145 S1+	86
880-36740-6	C-95 2'	141 S1+	88
880-36740-7	C-96 2'	134 S1+	78
880-36740-8	C-97 2'	139 S1+	74
880-36740-9	C-98 2'	105	100
880-36740-10	C-99 2'	171 S1+	85
880-36740-11	C-100 2'	156 S1+	98
880-36740-12	C-101 2'	171 S1+	118
880-36740-13	C-102 2'	198 S1+	105
880-36740-14	C-103 2'	139 S1+	91
880-36740-15	C-104 2'	139 S1+	105
880-36740-16	C-105 2'	173 S1+	96
880-36740-17	C-106 2'	183 S1+	88
880-36740-18	C-107 2'	92	105
880-36740-19	C-108 0-2'	90	92
880-36740-20	C-109 0-2'	107	104
LCS 880-68922/1-A	Lab Control Sample	151 S1+	106
LCSD 880-68922/2-A	Lab Control Sample Dup	143 S1+	77
MB 880-68922/5-A	Method Blank	73	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	OTPH1
		(70-130)	(70-130)
880-36740-1	C-90 1'	91	86
880-36740-1 MS	C-90 1'	89	81
880-36740-1 MSD	C-90 1'	91	84
880-36740-2	C-91 1'	72	71
880-36740-3	C-92 2'	89	88
880-36740-4	C-93 2'	92	87
880-36740-5	C-94 2'	84	81
880-36740-6	C-95 2'	107	106
880-36740-7	C-96 2'	81	93
880-36740-8	C-97 2'	87	85
880-36740-9	C-98 2'	81	89
880-36740-10	C-99 2'	89	97
880-36740-11	C-100 2'	100	98
880-36740-12	C-101 2'	90	90

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

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)
880-36740-13	C-102 2'	97	94
880-36740-14	C-103 2'	85	84
880-36740-15	C-104 2'	98	101
880-36740-16	C-105 2'	94	90
880-36740-17	C-106 2'	95	94
880-36740-18	C-107 2'	93	92
880-36740-19	C-108 0-2'	92	88
880-36740-20	C-109 0-2'	101	94
LCS 880-68849/2-A	Lab Control Sample	137 S1+	169 S1+
LCSD 880-68849/3-A	Lab Control Sample Dup	99	103
MB 880-68849/1-A - RA2	Method Blank	132 S1+	149 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-68922/5-A

Matrix: Solid

Analysis Batch: 68890

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 68922

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 13:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 13:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 13:53	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/12/23 11:18	12/12/23 13:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/12/23 11:18	12/12/23 13:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/12/23 11:18	12/12/23 13:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	12/12/23 11:18	12/12/23 13:53	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/12/23 11:18	12/12/23 13:53	1

Lab Sample ID: LCS 880-68922/1-A

Matrix: Solid

Analysis Batch: 68890

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 68922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1090		mg/Kg		109	70 - 130
Toluene	0.100	0.1187		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130
m,p-Xylenes	0.200	0.2229		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1112		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-68922/2-A

Matrix: Solid

Analysis Batch: 68890

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 68922

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09679		mg/Kg		97	70 - 130	12	35
Toluene	0.100	0.1058		mg/Kg		106	70 - 130	12	35
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130	8	35
m,p-Xylenes	0.200	0.2126		mg/Kg		106	70 - 130	5	35
o-Xylene	0.100	0.1096		mg/Kg		110	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: 880-36740-1 MS

Matrix: Solid

Analysis Batch: 68890

Client Sample ID: C-90 1'

Prep Type: Total/NA

Prep Batch: 68922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09295		mg/Kg		93	70 - 130
Toluene	<0.00199	U	0.0996	0.09748		mg/Kg		98	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

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

Lab Sample ID: 880-36740-1 MS

Matrix: Solid

Analysis Batch: 68890

Client Sample ID: C-90 1'

Prep Type: Total/NA

Prep Batch: 68922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.09723		mg/Kg		98	70 - 130
m,p-Xylenes	<0.00398	U	0.199	0.1944		mg/Kg		98	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09840		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-36740-1 MSD

Matrix: Solid

Analysis Batch: 68890

Client Sample ID: C-90 1'

Prep Type: Total/NA

Prep Batch: 68922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.0990	0.1002		mg/Kg		101	70 - 130	8	35
Toluene	<0.00199	U	0.0990	0.09665		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.0990	0.08895		mg/Kg		90	70 - 130	9	35
m,p-Xylenes	<0.00398	U	0.198	0.1851		mg/Kg		93	70 - 130	5	35
o-Xylene	<0.00199	U	0.0990	0.09167		mg/Kg		93	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

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

Lab Sample ID: LCS 880-68849/2-A

Matrix: Solid

Analysis Batch: 68881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 68849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	921.5		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	137	S1+	70 - 130
o-Terphenyl (Surr)	169	S1+	70 - 130

Lab Sample ID: LCSD 880-68849/3-A

Matrix: Solid

Analysis Batch: 68881

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 68849

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	857.3		mg/Kg		86	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	842.8		mg/Kg		84	70 - 130	19	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-68849/3-A

Matrix: Solid

Analysis Batch: 68881

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 68849

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Lab Sample ID: 880-36740-1 MS

Matrix: Solid

Analysis Batch: 68881

Client Sample ID: C-90 1'

Prep Type: Total/NA

Prep Batch: 68849

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 F1	1000	662.3	F1	mg/Kg		66	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	661.8	F1	mg/Kg		61	70 - 130
Surrogate	%Recovery	Qualifier	Limits	MS	MS				
1-Chlorooctane (Surr)	89		70 - 130						
o-Terphenyl (Surr)	81		70 - 130						

Lab Sample ID: 880-36740-1 MSD

Matrix: Solid

Analysis Batch: 68881

Client Sample ID: C-90 1'

Prep Type: Total/NA

Prep Batch: 68849

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 F1	1000	676.7	F1	mg/Kg		68	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	726.7	F1	mg/Kg		68	70 - 130	9	20
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD						
1-Chlorooctane (Surr)	91		70 - 130								
o-Terphenyl (Surr)	84		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC) - RA2

Lab Sample ID: MB 880-68849/1-A

Matrix: Solid

Analysis Batch: 68881

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 68849

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10 - RA2	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 08:12	1
Diesel Range Organics (Over C10-C28) - RA2	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 08:12	1
Oil Range Organics (Over C28-C36) - RA2	<50.0	U	50.0	mg/Kg		12/11/23 14:09	12/12/23 08:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr) - RA2	132	S1+	70 - 130			12/11/23 14:09	12/12/23 08:12	1
o-Terphenyl (Surr) - RA2	149	S1+	70 - 130			12/11/23 14:09	12/12/23 08:12	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-68840/1-A

Matrix: Solid

Analysis Batch: 68921

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			12/13/23 06:46	1

Lab Sample ID: LCS 880-68840/2-A

Matrix: Solid

Analysis Batch: 68921

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-68840/3-A

Matrix: Solid

Analysis Batch: 68921

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	257.8		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-36740-1 MS

Matrix: Solid

Analysis Batch: 68921

Client Sample ID: C-90 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	111		250	363.3		mg/Kg		101	90 - 110

Lab Sample ID: 880-36740-1 MSD

Matrix: Solid

Analysis Batch: 68921

Client Sample ID: C-90 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	111		250	360.1		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-36740-11 MS

Matrix: Solid

Analysis Batch: 68921

Client Sample ID: C-100 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	545		252	795.1		mg/Kg		99	90 - 110

Lab Sample ID: 880-36740-11 MSD

Matrix: Solid

Analysis Batch: 68921

Client Sample ID: C-100 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	545		252	805.2		mg/Kg		103	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

GC VOA

Analysis Batch: 68890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-1	C-90 1'	Total/NA	Solid	8021B	68922
880-36740-2	C-91 1'	Total/NA	Solid	8021B	68922
880-36740-3	C-92 2'	Total/NA	Solid	8021B	68922
880-36740-4	C-93 2'	Total/NA	Solid	8021B	68922
880-36740-5	C-94 2'	Total/NA	Solid	8021B	68922
880-36740-6	C-95 2'	Total/NA	Solid	8021B	68922
880-36740-7	C-96 2'	Total/NA	Solid	8021B	68922
880-36740-8	C-97 2'	Total/NA	Solid	8021B	68922
880-36740-9	C-98 2'	Total/NA	Solid	8021B	68922
880-36740-10	C-99 2'	Total/NA	Solid	8021B	68922
880-36740-11	C-100 2'	Total/NA	Solid	8021B	68922
880-36740-12	C-101 2'	Total/NA	Solid	8021B	68922
880-36740-13	C-102 2'	Total/NA	Solid	8021B	68922
880-36740-14	C-103 2'	Total/NA	Solid	8021B	68922
880-36740-15	C-104 2'	Total/NA	Solid	8021B	68922
880-36740-16	C-105 2'	Total/NA	Solid	8021B	68922
880-36740-17	C-106 2'	Total/NA	Solid	8021B	68922
880-36740-18	C-107 2'	Total/NA	Solid	8021B	68922
880-36740-19	C-108 0-2'	Total/NA	Solid	8021B	68922
880-36740-20	C-109 0-2'	Total/NA	Solid	8021B	68922
MB 880-68922/5-A	Method Blank	Total/NA	Solid	8021B	68922
LCS 880-68922/1-A	Lab Control Sample	Total/NA	Solid	8021B	68922
LCSD 880-68922/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	68922
880-36740-1 MS	C-90 1'	Total/NA	Solid	8021B	68922
880-36740-1 MSD	C-90 1'	Total/NA	Solid	8021B	68922

Prep Batch: 68922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-1	C-90 1'	Total/NA	Solid	5035	
880-36740-2	C-91 1'	Total/NA	Solid	5035	
880-36740-3	C-92 2'	Total/NA	Solid	5035	
880-36740-4	C-93 2'	Total/NA	Solid	5035	
880-36740-5	C-94 2'	Total/NA	Solid	5035	
880-36740-6	C-95 2'	Total/NA	Solid	5035	
880-36740-7	C-96 2'	Total/NA	Solid	5035	
880-36740-8	C-97 2'	Total/NA	Solid	5035	
880-36740-9	C-98 2'	Total/NA	Solid	5035	
880-36740-10	C-99 2'	Total/NA	Solid	5035	
880-36740-11	C-100 2'	Total/NA	Solid	5035	
880-36740-12	C-101 2'	Total/NA	Solid	5035	
880-36740-13	C-102 2'	Total/NA	Solid	5035	
880-36740-14	C-103 2'	Total/NA	Solid	5035	
880-36740-15	C-104 2'	Total/NA	Solid	5035	
880-36740-16	C-105 2'	Total/NA	Solid	5035	
880-36740-17	C-106 2'	Total/NA	Solid	5035	
880-36740-18	C-107 2'	Total/NA	Solid	5035	
880-36740-19	C-108 0-2'	Total/NA	Solid	5035	
880-36740-20	C-109 0-2'	Total/NA	Solid	5035	
MB 880-68922/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-68922/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-68922/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

GC VOA (Continued)

Prep Batch: 68922 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-1 MS	C-90 1'	Total/NA	Solid	5035	
880-36740-1 MSD	C-90 1'	Total/NA	Solid	5035	

Analysis Batch: 69116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-1	C-90 1'	Total/NA	Solid	Total BTEX	
880-36740-2	C-91 1'	Total/NA	Solid	Total BTEX	
880-36740-3	C-92 2'	Total/NA	Solid	Total BTEX	
880-36740-4	C-93 2'	Total/NA	Solid	Total BTEX	
880-36740-5	C-94 2'	Total/NA	Solid	Total BTEX	
880-36740-6	C-95 2'	Total/NA	Solid	Total BTEX	
880-36740-7	C-96 2'	Total/NA	Solid	Total BTEX	
880-36740-8	C-97 2'	Total/NA	Solid	Total BTEX	
880-36740-9	C-98 2'	Total/NA	Solid	Total BTEX	
880-36740-10	C-99 2'	Total/NA	Solid	Total BTEX	
880-36740-11	C-100 2'	Total/NA	Solid	Total BTEX	
880-36740-12	C-101 2'	Total/NA	Solid	Total BTEX	
880-36740-13	C-102 2'	Total/NA	Solid	Total BTEX	
880-36740-14	C-103 2'	Total/NA	Solid	Total BTEX	
880-36740-15	C-104 2'	Total/NA	Solid	Total BTEX	
880-36740-16	C-105 2'	Total/NA	Solid	Total BTEX	
880-36740-17	C-106 2'	Total/NA	Solid	Total BTEX	
880-36740-18	C-107 2'	Total/NA	Solid	Total BTEX	
880-36740-19	C-108 0-2'	Total/NA	Solid	Total BTEX	
880-36740-20	C-109 0-2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 68849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-1	C-90 1'	Total/NA	Solid	8015NM Prep	
880-36740-2	C-91 1'	Total/NA	Solid	8015NM Prep	
880-36740-3	C-92 2'	Total/NA	Solid	8015NM Prep	
880-36740-4	C-93 2'	Total/NA	Solid	8015NM Prep	
880-36740-5	C-94 2'	Total/NA	Solid	8015NM Prep	
880-36740-6	C-95 2'	Total/NA	Solid	8015NM Prep	
880-36740-7	C-96 2'	Total/NA	Solid	8015NM Prep	
880-36740-8	C-97 2'	Total/NA	Solid	8015NM Prep	
880-36740-9	C-98 2'	Total/NA	Solid	8015NM Prep	
880-36740-10	C-99 2'	Total/NA	Solid	8015NM Prep	
880-36740-11	C-100 2'	Total/NA	Solid	8015NM Prep	
880-36740-12	C-101 2'	Total/NA	Solid	8015NM Prep	
880-36740-13	C-102 2'	Total/NA	Solid	8015NM Prep	
880-36740-14	C-103 2'	Total/NA	Solid	8015NM Prep	
880-36740-15	C-104 2'	Total/NA	Solid	8015NM Prep	
880-36740-16	C-105 2'	Total/NA	Solid	8015NM Prep	
880-36740-17	C-106 2'	Total/NA	Solid	8015NM Prep	
880-36740-18	C-107 2'	Total/NA	Solid	8015NM Prep	
880-36740-19	C-108 0-2'	Total/NA	Solid	8015NM Prep	
880-36740-20	C-109 0-2'	Total/NA	Solid	8015NM Prep	
MB 880-68849/1-A - RA2	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Prep Batch: 68849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-68849/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-68849/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-36740-1 MS	C-90 1'	Total/NA	Solid	8015NM Prep	
880-36740-1 MSD	C-90 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 68881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-1	C-90 1'	Total/NA	Solid	8015B NM	68849
880-36740-2	C-91 1'	Total/NA	Solid	8015B NM	68849
880-36740-3	C-92 2'	Total/NA	Solid	8015B NM	68849
880-36740-4	C-93 2'	Total/NA	Solid	8015B NM	68849
880-36740-5	C-94 2'	Total/NA	Solid	8015B NM	68849
880-36740-6	C-95 2'	Total/NA	Solid	8015B NM	68849
880-36740-7	C-96 2'	Total/NA	Solid	8015B NM	68849
880-36740-8	C-97 2'	Total/NA	Solid	8015B NM	68849
880-36740-9	C-98 2'	Total/NA	Solid	8015B NM	68849
880-36740-10	C-99 2'	Total/NA	Solid	8015B NM	68849
880-36740-11	C-100 2'	Total/NA	Solid	8015B NM	68849
880-36740-12	C-101 2'	Total/NA	Solid	8015B NM	68849
880-36740-13	C-102 2'	Total/NA	Solid	8015B NM	68849
880-36740-14	C-103 2'	Total/NA	Solid	8015B NM	68849
880-36740-15	C-104 2'	Total/NA	Solid	8015B NM	68849
880-36740-16	C-105 2'	Total/NA	Solid	8015B NM	68849
880-36740-17	C-106 2'	Total/NA	Solid	8015B NM	68849
880-36740-18	C-107 2'	Total/NA	Solid	8015B NM	68849
880-36740-19	C-108 0-2'	Total/NA	Solid	8015B NM	68849
880-36740-20	C-109 0-2'	Total/NA	Solid	8015B NM	68849
MB 880-68849/1-A - RA2	Method Blank	Total/NA	Solid	8015B NM	68849
LCS 880-68849/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	68849
LCSD 880-68849/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	68849
880-36740-1 MS	C-90 1'	Total/NA	Solid	8015B NM	68849
880-36740-1 MSD	C-90 1'	Total/NA	Solid	8015B NM	68849

Analysis Batch: 68972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-1	C-90 1'	Total/NA	Solid	8015 NM	
880-36740-2	C-91 1'	Total/NA	Solid	8015 NM	
880-36740-3	C-92 2'	Total/NA	Solid	8015 NM	
880-36740-4	C-93 2'	Total/NA	Solid	8015 NM	
880-36740-5	C-94 2'	Total/NA	Solid	8015 NM	
880-36740-6	C-95 2'	Total/NA	Solid	8015 NM	
880-36740-7	C-96 2'	Total/NA	Solid	8015 NM	
880-36740-8	C-97 2'	Total/NA	Solid	8015 NM	
880-36740-9	C-98 2'	Total/NA	Solid	8015 NM	
880-36740-10	C-99 2'	Total/NA	Solid	8015 NM	
880-36740-11	C-100 2'	Total/NA	Solid	8015 NM	
880-36740-12	C-101 2'	Total/NA	Solid	8015 NM	
880-36740-13	C-102 2'	Total/NA	Solid	8015 NM	
880-36740-14	C-103 2'	Total/NA	Solid	8015 NM	
880-36740-15	C-104 2'	Total/NA	Solid	8015 NM	
880-36740-16	C-105 2'	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Analysis Batch: 68972 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-17	C-106 2'	Total/NA	Solid	8015 NM	
880-36740-18	C-107 2'	Total/NA	Solid	8015 NM	
880-36740-19	C-108 0-2'	Total/NA	Solid	8015 NM	
880-36740-20	C-109 0-2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 68840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-1	C-90 1'	Soluble	Solid	DI Leach	
880-36740-2	C-91 1'	Soluble	Solid	DI Leach	
880-36740-3	C-92 2'	Soluble	Solid	DI Leach	
880-36740-4	C-93 2'	Soluble	Solid	DI Leach	
880-36740-5	C-94 2'	Soluble	Solid	DI Leach	
880-36740-6	C-95 2'	Soluble	Solid	DI Leach	
880-36740-7	C-96 2'	Soluble	Solid	DI Leach	
880-36740-8	C-97 2'	Soluble	Solid	DI Leach	
880-36740-9	C-98 2'	Soluble	Solid	DI Leach	
880-36740-10	C-99 2'	Soluble	Solid	DI Leach	
880-36740-11	C-100 2'	Soluble	Solid	DI Leach	
880-36740-12	C-101 2'	Soluble	Solid	DI Leach	
880-36740-13	C-102 2'	Soluble	Solid	DI Leach	
880-36740-14	C-103 2'	Soluble	Solid	DI Leach	
880-36740-15	C-104 2'	Soluble	Solid	DI Leach	
880-36740-16	C-105 2'	Soluble	Solid	DI Leach	
880-36740-17	C-106 2'	Soluble	Solid	DI Leach	
880-36740-18	C-107 2'	Soluble	Solid	DI Leach	
880-36740-19	C-108 0-2'	Soluble	Solid	DI Leach	
880-36740-20	C-109 0-2'	Soluble	Solid	DI Leach	
MB 880-68840/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-68840/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-68840/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-36740-1 MS	C-90 1'	Soluble	Solid	DI Leach	
880-36740-1 MSD	C-90 1'	Soluble	Solid	DI Leach	
880-36740-11 MS	C-100 2'	Soluble	Solid	DI Leach	
880-36740-11 MSD	C-100 2'	Soluble	Solid	DI Leach	

Analysis Batch: 68921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-1	C-90 1'	Soluble	Solid	300.0	68840
880-36740-2	C-91 1'	Soluble	Solid	300.0	68840
880-36740-3	C-92 2'	Soluble	Solid	300.0	68840
880-36740-4	C-93 2'	Soluble	Solid	300.0	68840
880-36740-5	C-94 2'	Soluble	Solid	300.0	68840
880-36740-6	C-95 2'	Soluble	Solid	300.0	68840
880-36740-7	C-96 2'	Soluble	Solid	300.0	68840
880-36740-8	C-97 2'	Soluble	Solid	300.0	68840
880-36740-9	C-98 2'	Soluble	Solid	300.0	68840
880-36740-10	C-99 2'	Soluble	Solid	300.0	68840
880-36740-11	C-100 2'	Soluble	Solid	300.0	68840
880-36740-12	C-101 2'	Soluble	Solid	300.0	68840

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

HPLC/IC (Continued)

Analysis Batch: 68921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36740-13	C-102 2'	Soluble	Solid	300.0	68840
880-36740-14	C-103 2'	Soluble	Solid	300.0	68840
880-36740-15	C-104 2'	Soluble	Solid	300.0	68840
880-36740-16	C-105 2'	Soluble	Solid	300.0	68840
880-36740-17	C-106 2'	Soluble	Solid	300.0	68840
880-36740-18	C-107 2'	Soluble	Solid	300.0	68840
880-36740-19	C-108 0-2'	Soluble	Solid	300.0	68840
880-36740-20	C-109 0-2'	Soluble	Solid	300.0	68840
MB 880-68840/1-A	Method Blank	Soluble	Solid	300.0	68840
LCS 880-68840/2-A	Lab Control Sample	Soluble	Solid	300.0	68840
LCSD 880-68840/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	68840
880-36740-1 MS	C-90 1'	Soluble	Solid	300.0	68840
880-36740-1 MSD	C-90 1'	Soluble	Solid	300.0	68840
880-36740-11 MS	C-100 2'	Soluble	Solid	300.0	68840
880-36740-11 MSD	C-100 2'	Soluble	Solid	300.0	68840

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-90 1'**Lab Sample ID: 880-36740-1****Date Collected: 12/07/23 09:20****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 14:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 14:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 10:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 10:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 07:05	CH	EET MID

Client Sample ID: C-91 1'**Lab Sample ID: 880-36740-2****Date Collected: 12/07/23 09:25****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 14:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 14:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 11:48	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	68921	12/13/23 07:25	CH	EET MID

Client Sample ID: C-92 2'**Lab Sample ID: 880-36740-3****Date Collected: 12/07/23 09:35****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 15:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 15:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 12:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 12:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	68921	12/13/23 07:31	CH	EET MID

Client Sample ID: C-93 2'**Lab Sample ID: 880-36740-4****Date Collected: 12/07/23 09:40****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 15:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 15:38	SM	EET MID

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-93 2'
Date Collected: 12/07/23 09:40
Date Received: 12/11/23 08:56

Lab Sample ID: 880-36740-4
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			68972	12/12/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 12:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 07:38	CH	EET MID

Client Sample ID: C-94 2'
Date Collected: 12/07/23 09:45
Date Received: 12/11/23 08:56

Lab Sample ID: 880-36740-5
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			5.02 g	5 mL	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 16:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 16:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 12:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 12:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 07:44	CH	EET MID

Client Sample ID: C-95 2'
Date Collected: 12/07/23 09:50
Date Received: 12/11/23 08:56

Lab Sample ID: 880-36740-6
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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 16:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 16:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 13:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 13:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 08:04	CH	EET MID

Client Sample ID: C-96 2'
Date Collected: 12/07/23 09:55
Date Received: 12/11/23 08:56

Lab Sample ID: 880-36740-7
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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 16:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 16:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 13:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 13:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-96 2'**Date Collected: 12/07/23 09:55****Date Received: 12/11/23 08:56****Lab Sample ID: 880-36740-7****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			4.99 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	68921	12/13/23 08:11	CH	EET MID

Client Sample ID: C-97 2'**Date Collected: 12/07/23 10:00****Date Received: 12/11/23 08:56****Lab Sample ID: 880-36740-8****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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 17:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 14:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 14:05	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	68921	12/13/23 08:17	CH	EET MID

Client Sample ID: C-98 2'**Date Collected: 12/07/23 10:10****Date Received: 12/11/23 08:56****Lab Sample ID: 880-36740-9****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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 17:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 17:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 14:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 14:27	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 08:24	CH	EET MID

Client Sample ID: C-99 2'**Date Collected: 12/07/23 10:15****Date Received: 12/11/23 08:56****Lab Sample ID: 880-36740-10****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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 18:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 18:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 14:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 14:48	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 08:30	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-100 2'**Lab Sample ID: 880-36740-11****Date Collected: 12/07/23 10:20****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 19:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 19:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 15:32	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 08:37	CH	EET MID

Client Sample ID: C-101 2'**Lab Sample ID: 880-36740-12****Date Collected: 12/07/23 10:25****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 20:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 20:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 15:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 15:53	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 08:56	CH	EET MID

Client Sample ID: C-102 2'**Lab Sample ID: 880-36740-13****Date Collected: 12/07/23 10:30****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 20:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 20:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 16:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 16:16	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 09:22	CH	EET MID

Client Sample ID: C-103 2'**Lab Sample ID: 880-36740-14****Date Collected: 12/07/23 10:40****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 21:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 21:18	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-103 2'

Lab Sample ID: 880-36740-14

Date Collected: 12/07/23 10:40

Matrix: Solid

Date Received: 12/11/23 08:56

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			68972	12/12/23 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 16:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 09:41	CH	EET MID

Client Sample ID: C-104 2'

Lab Sample ID: 880-36740-15

Date Collected: 12/07/23 10:45

Matrix: Solid

Date Received: 12/11/23 08:56

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 21:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 21:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 16:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 09:48	CH	EET MID

Client Sample ID: C-105 2'

Lab Sample ID: 880-36740-16

Date Collected: 12/07/23 10:50

Matrix: Solid

Date Received: 12/11/23 08:56

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 22:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 22:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 17:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 17:21	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 09:54	CH	EET MID

Client Sample ID: C-106 2'

Lab Sample ID: 880-36740-17

Date Collected: 12/07/23 10:55

Matrix: Solid

Date Received: 12/11/23 08:56

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 22:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 22:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 17:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 17:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Client Sample ID: C-106 2'**Lab Sample ID: 880-36740-17****Date Collected: 12/07/23 10:55****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 10:01	CH	EET MID

Client Sample ID: C-107 2'**Lab Sample ID: 880-36740-18****Date Collected: 12/07/23 11:00****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 23:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 23:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 18:05	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 10:07	CH	EET MID

Client Sample ID: C-108 0-2'**Lab Sample ID: 880-36740-19****Date Collected: 12/07/23 11:20****Matrix: Solid****Date Received: 12/11/23 08:56**

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	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 23:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 18:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 18:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 10:14	CH	EET MID

Client Sample ID: C-109 0-2'**Lab Sample ID: 880-36740-20****Date Collected: 12/07/23 11:30****Matrix: Solid****Date Received: 12/11/23 08:56**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	68922	12/12/23 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68890	12/12/23 23:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			69116	12/12/23 23:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			68972	12/12/23 18:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	68849	12/11/23 14:09	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68881	12/12/23 18:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	68840	12/11/23 13:37	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	68921	12/13/23 10:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

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: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

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	T104704400-23-26	06-30-24
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: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

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: SD WE 24 FED 23

Job ID: 880-36740-1
SDG: 21-0100-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-36740-1	C-90 1'	Solid	12/07/23 09:20	12/11/23 08:56
880-36740-2	C-91 1'	Solid	12/07/23 09:25	12/11/23 08:56
880-36740-3	C-92 2'	Solid	12/07/23 09:35	12/11/23 08:56
880-36740-4	C-93 2'	Solid	12/07/23 09:40	12/11/23 08:56
880-36740-5	C-94 2'	Solid	12/07/23 09:45	12/11/23 08:56
880-36740-6	C-95 2'	Solid	12/07/23 09:50	12/11/23 08:56
880-36740-7	C-96 2'	Solid	12/07/23 09:55	12/11/23 08:56
880-36740-8	C-97 2'	Solid	12/07/23 10:00	12/11/23 08:56
880-36740-9	C-98 2'	Solid	12/07/23 10:10	12/11/23 08:56
880-36740-10	C-99 2'	Solid	12/07/23 10:15	12/11/23 08:56
880-36740-11	C-100 2'	Solid	12/07/23 10:20	12/11/23 08:56
880-36740-12	C-101 2'	Solid	12/07/23 10:25	12/11/23 08:56
880-36740-13	C-102 2'	Solid	12/07/23 10:30	12/11/23 08:56
880-36740-14	C-103 2'	Solid	12/07/23 10:40	12/11/23 08:56
880-36740-15	C-104 2'	Solid	12/07/23 10:45	12/11/23 08:56
880-36740-16	C-105 2'	Solid	12/07/23 10:50	12/11/23 08:56
880-36740-17	C-106 2'	Solid	12/07/23 10:55	12/11/23 08:56
880-36740-18	C-107 2'	Solid	12/07/23 11:00	12/11/23 08:56
880-36740-19	C-108 0-2'	Solid	12/07/23 11:20	12/11/23 08:56
880-36740-20	C-109 0-2'	Solid	12/07/23 11:30	12/11/23 08:56

36740 No. 3212
CHAIN-OF-CUSTODY

Arson & associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 202
Midland, TX 79701
432-687-0901

507 N. Marienfeld, Ste. 202
Midland, TX 79701
432-687-0901

DATE 12/11/2023 PAGE 1 OF 2
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME SP WE 24 FEB 23
LAI PROJECT # 21-0120-07 COLLECTOR STAN BART-

Data Reported to

TRRP report?		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER		# of Containers	PRESERVATION				FIELD NOTES
Yes ☐	No ☒	Lab #	Date	Time	Matrix		HCl	HNO ₃	H ₂ SO ₄ ☐	NaOH ☐	
TIME ZONE Time zone/State MST/ NM											
Field Sample ID											
C-90	1'		12/7/23	9:20	S	1					
C-91	1'		12/7/23	9:25	S	1					
C-92	2'		12/7/23	9:28	S	1					
C-93	2'		12/7/23	9:40	S	1					
C-94	2'		12/7/23	9:45	S	1					
C-95	2'		12/7/23	9:50	S	1					
C-96	2'		12/7/23	9:55	S	1					
C-97	2'		12/7/23	10:00	S	1					
C-98	2'		12/7/23	10:10	S	1					
C-99	2'		12/7/23	10:15	S	1					
C-100	2'		12/7/23	10:20	S	1					
C-101	2'		12/7/23	10:25	S	1					
C-102	2'		12/7/23	10:30	S	1					
C-103	2'		12/7/23	10:40	S	1					
C-104	2'		12/7/23	10:45	S	1					
TOTAL											

RELINQUISHED BY (Signature)

RELINQUISHED BY (Signature)

RELINQUISHED BY (Signature)

LABORATORY

DATE/TIME 12/11/23 08:56

DATE/TIME

DATE/TIME

RECEIVED BY (Signature)

RECEIVED BY (Signature)

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

RECEIVED BY (Signature)

LABORATORY

Age	Number of people
1	1
2	1
3	2
4	1
5	2
6	2
7	2
8	2
9	2
10	2
11	1
12	2
13	3
14	1

26740 No. 3213
CHAIN-OF-CUSTODY

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-36740-1
SDG Number: 21-0100-07

Login Number: 36740
List Number: 1
Creator: Rodriguez, Leticia

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	



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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 2/14/2024 5:08:43 PM

JOB DESCRIPTION

SD WE 24 FED P23
3232

JOB NUMBER

880-38702-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

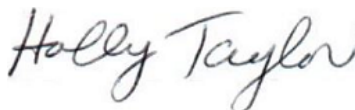
Eurofins Midland

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: SD WE 24 FED P23

Laboratory Job ID: 880-38702-1
SDG: 3232

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

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
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: Larson & Associates, Inc.
Project: SD WE 24 FED P23

Job ID: 880-38702-1

Job ID: 880-38702-1

Eurofins Midland

Job Narrative 880-38702-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 1/31/2024 9:40 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 -8.9°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-70 4.1' (880-38702-1), C-75 4.1' (880-38702-2), C-64 4.1' (880-38702-3), C-67 4.1' (880-38702-4), C-68 4.1' (880-38702-5), C-91 4.1' (880-38702-6), C-92 4.1' (880-38702-7), C-94 4.1' (880-38702-8), C-95 4.1' (880-38702-9), C-96 4.1' (880-38702-10), C-97 4.1' (880-38702-11) and C-101 4.1' (880-38702-12).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-67 4.1' (880-38702-4), C-92 4.1' (880-38702-7), C-95 4.1' (880-38702-9), C-96 4.1' (880-38702-10), C-101 4.1' (880-38702-12), (LCS 880-72507/1-A), (LCSD 880-72507/2-A) and (880-38637-A-21-E). 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.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 870-17963 and analytical batch 870-17706 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: Surrogate recovery for the following samples were outside control limits: C-75 4.1' (880-38702-2), C-67 4.1' (880-38702-4), (880-38702-A-1-I MS) and (880-38702-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: C-96 4.1' (880-38702-10) and C-97 4.1' (880-38702-11). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: C-101 4.1' (880-38702-12). 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.

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: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-70 4.1'

Lab Sample ID: 880-38702-1

Date Collected: 01/29/24 14:00

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/10/24 23:07	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:59	02/10/24 23:07	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:59	02/10/24 23:07	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		02/06/24 13:59	02/10/24 23:07	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:59	02/10/24 23:07	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		02/06/24 13:59	02/10/24 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	02/06/24 13:59	02/10/24 23:07	1
1,4-Difluorobenzene (Surr)	129		70 - 130	02/06/24 13:59	02/10/24 23:07	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			02/10/24 23:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			02/04/24 22:54	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	<49.6	U F1	49.6	mg/Kg		02/01/24 14:15	02/04/24 22:54	1
Diesel Range Organics (Over C10-C28)	<49.6	U F2 F1	49.6	mg/Kg		02/01/24 14:15	02/04/24 22:54	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		02/01/24 14:15	02/04/24 22:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	02/01/24 14:15	02/04/24 22:54	1
o-Terphenyl (Surr)	102		70 - 130	02/01/24 14:15	02/04/24 22:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		4.98	mg/Kg			02/04/24 21:04	1

Client Sample ID: C-75 4.1'

Lab Sample ID: 880-38702-2

Date Collected: 01/29/24 14:04

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/10/24 23:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/10/24 23:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/10/24 23:33	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/06/24 13:59	02/10/24 23:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/10/24 23:33	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/06/24 13:59	02/10/24 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	02/06/24 13:59	02/10/24 23:33	1
1,4-Difluorobenzene (Surr)	85		70 - 130	02/06/24 13:59	02/10/24 23:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-75 4.1'

Lab Sample ID: 880-38702-2

Date Collected: 01/29/24 14:04

Matrix: Solid

Date Received: 01/31/24 09:40

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			02/10/24 23:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			02/04/24 23:56	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	<50.5	U	50.5	mg/Kg		02/01/24 14:15	02/04/24 23:56	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		02/01/24 14:15	02/04/24 23:56	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		02/01/24 14:15	02/04/24 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			02/01/24 14:15	02/04/24 23:56	1
o-Terphenyl (Surr)	131	S1+	70 - 130			02/01/24 14:15	02/04/24 23:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		5.00	mg/Kg			02/04/24 21:09	1

Client Sample ID: C-64 4.1'

Lab Sample ID: 880-38702-3

Date Collected: 01/29/24 14:30

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/10/24 23:58	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:59	02/10/24 23:58	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:59	02/10/24 23:58	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		02/06/24 13:59	02/10/24 23:58	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:59	02/10/24 23:58	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/06/24 13:59	02/10/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			02/06/24 13:59	02/10/24 23:58	1
1,4-Difluorobenzene (Surr)	111		70 - 130			02/06/24 13:59	02/10/24 23:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/10/24 23:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			02/05/24 00:16	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	<50.2	U	50.2	mg/Kg		02/01/24 14:15	02/05/24 00:16	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		02/01/24 14:15	02/05/24 00:16	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-64 4.1'

Lab Sample ID: 880-38702-3

Date Collected: 01/29/24 14:30

Matrix: Solid

Date Received: 01/31/24 09:40

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)	<50.2	U	50.2	mg/Kg		02/01/24 14:15	02/05/24 00:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			02/01/24 14:15	02/05/24 00:16	1
o-Terphenyl (Surr)	113		70 - 130			02/01/24 14:15	02/05/24 00:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		4.97	mg/Kg			02/04/24 21:14	1

Client Sample ID: C-67 4.1'

Lab Sample ID: 880-38702-4

Date Collected: 01/29/24 14:32

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/11/24 00:24	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:59	02/11/24 00:24	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:59	02/11/24 00:24	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/06/24 13:59	02/11/24 00:24	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:59	02/11/24 00:24	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/06/24 13:59	02/11/24 00:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130			02/06/24 13:59	02/11/24 00:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130			02/06/24 13:59	02/11/24 00:24	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			02/11/24 00:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			02/05/24 00:37	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	<50.4	U	50.4	mg/Kg		02/01/24 14:15	02/05/24 00:37	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		02/01/24 14:15	02/05/24 00:37	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		02/01/24 14:15	02/05/24 00:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130			02/01/24 14:15	02/05/24 00:37	1
o-Terphenyl (Surr)	140	S1+	70 - 130			02/01/24 14:15	02/05/24 00:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	622		5.00	mg/Kg			02/04/24 21:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-68 4.1'

Lab Sample ID: 880-38702-5

Date Collected: 01/29/24 14:35

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/11/24 00:49	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:59	02/11/24 00:49	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:59	02/11/24 00:49	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		02/06/24 13:59	02/11/24 00:49	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:59	02/11/24 00:49	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		02/06/24 13:59	02/11/24 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/06/24 13:59	02/11/24 00:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/06/24 13:59	02/11/24 00:49	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			02/11/24 00:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			02/05/24 00:58	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	<50.4	U	50.4	mg/Kg		02/01/24 14:15	02/05/24 00:58	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		02/01/24 14:15	02/05/24 00:58	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		02/01/24 14:15	02/05/24 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	02/01/24 14:15	02/05/24 00:58	1
o-Terphenyl (Surr)	122		70 - 130	02/01/24 14:15	02/05/24 00:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		5.02	mg/Kg			02/04/24 21:58	1

Client Sample ID: C-91 4.1'

Lab Sample ID: 880-38702-6

Date Collected: 01/29/24 14:40

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/11/24 01:15	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:59	02/11/24 01:15	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:59	02/11/24 01:15	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/06/24 13:59	02/11/24 01:15	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:59	02/11/24 01:15	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/06/24 13:59	02/11/24 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/06/24 13:59	02/11/24 01:15	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/06/24 13:59	02/11/24 01:15	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-91 4.1'

Lab Sample ID: 880-38702-6

Date Collected: 01/29/24 14:40

Matrix: Solid

Date Received: 01/31/24 09:40

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			02/11/24 01:15	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			02/05/24 01:18	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	<49.7	U	49.7	mg/Kg		02/01/24 14:15	02/05/24 01:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		02/01/24 14:15	02/05/24 01:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		02/01/24 14:15	02/05/24 01:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			02/01/24 14:15	02/05/24 01:18	1
o-Terphenyl (Surr)	125		70 - 130			02/01/24 14:15	02/05/24 01:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	886		5.05	mg/Kg			02/04/24 22:13	1

Client Sample ID: C-92 4.1'

Lab Sample ID: 880-38702-7

Date Collected: 01/29/24 14:42

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/11/24 02:57	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:59	02/11/24 02:57	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:59	02/11/24 02:57	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/06/24 13:59	02/11/24 02:57	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/06/24 13:59	02/11/24 02:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/06/24 13:59	02/11/24 02:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130			02/06/24 13:59	02/11/24 02:57	1
1,4-Difluorobenzene (Surr)	113		70 - 130			02/06/24 13:59	02/11/24 02:57	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			02/11/24 02:57	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			02/05/24 01:39	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	<49.9	U	49.9	mg/Kg		02/01/24 14:15	02/05/24 01:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/24 14:15	02/05/24 01:39	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-92 4.1'

Lab Sample ID: 880-38702-7

Date Collected: 01/29/24 14:42

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/01/24 14:15	02/05/24 01:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130			02/01/24 14:15	02/05/24 01:39	1
o-Terphenyl (Surr)	81		70 - 130			02/01/24 14:15	02/05/24 01:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.04	mg/Kg			02/04/24 22:18	1

Client Sample ID: C-94 4.1'

Lab Sample ID: 880-38702-8

Date Collected: 01/29/24 14:45

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/11/24 03:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/11/24 03:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/11/24 03:23	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/06/24 13:59	02/11/24 03:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/11/24 03:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/06/24 13:59	02/11/24 03:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			02/06/24 13:59	02/11/24 03:23	1
1,4-Difluorobenzene (Surr)	84		70 - 130			02/06/24 13:59	02/11/24 03:23	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			02/11/24 03:23	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			02/05/24 01:59	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	<49.7	U	49.7	mg/Kg		02/01/24 14:15	02/05/24 01:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		02/01/24 14:15	02/05/24 01:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		02/01/24 14:15	02/05/24 01:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			02/01/24 14:15	02/05/24 01:59	1
o-Terphenyl (Surr)	86		70 - 130			02/01/24 14:15	02/05/24 01:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		4.99	mg/Kg			02/04/24 22:23	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-95 4.1'

Lab Sample ID: 880-38702-9

Date Collected: 01/29/24 14:46

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/11/24 03:49	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:59	02/11/24 03:49	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:59	02/11/24 03:49	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		02/06/24 13:59	02/11/24 03:49	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/06/24 13:59	02/11/24 03:49	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/06/24 13:59	02/11/24 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	181	S1+	70 - 130	02/06/24 13:59	02/11/24 03:49	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/06/24 13:59	02/11/24 03:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/11/24 03:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			02/05/24 02:20	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	<49.6	U	49.6	mg/Kg		02/01/24 14:15	02/05/24 02:20	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		02/01/24 14:15	02/05/24 02:20	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		02/01/24 14:15	02/05/24 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	02/01/24 14:15	02/05/24 02:20	1
o-Terphenyl (Surr)	96		70 - 130	02/01/24 14:15	02/05/24 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		4.97	mg/Kg			02/04/24 22:28	1

Client Sample ID: C-96 4.1'

Lab Sample ID: 880-38702-10

Date Collected: 01/29/24 14:48

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/11/24 04:14	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:59	02/11/24 04:14	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:59	02/11/24 04:14	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/06/24 13:59	02/11/24 04:14	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/06/24 13:59	02/11/24 04:14	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/06/24 13:59	02/11/24 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	02/06/24 13:59	02/11/24 04:14	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/06/24 13:59	02/11/24 04:14	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-96 4.1'

Lab Sample ID: 880-38702-10

Date Collected: 01/29/24 14:48

Matrix: Solid

Date Received: 01/31/24 09:40

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			02/11/24 04:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			02/13/24 14:08	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	<50.2	U	50.2	mg/Kg		02/01/24 14:15	02/13/24 14:08	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		02/01/24 14:15	02/13/24 14:08	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		02/01/24 14:15	02/13/24 14:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	172	S1+	70 - 130			02/01/24 14:15	02/13/24 14:08	1
o-Terphenyl (Surr)	193	S1+	70 - 130			02/01/24 14:15	02/13/24 14:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	421		4.97	mg/Kg			02/04/24 22:43	1

Client Sample ID: C-97 4.1'

Lab Sample ID: 880-38702-11

Date Collected: 01/29/24 14:50

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/11/24 04:40	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:59	02/11/24 04:40	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:59	02/11/24 04:40	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		02/06/24 13:59	02/11/24 04:40	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/06/24 13:59	02/11/24 04:40	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		02/06/24 13:59	02/11/24 04:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			02/06/24 13:59	02/11/24 04:40	1
1,4-Difluorobenzene (Surr)	95		70 - 130			02/06/24 13:59	02/11/24 04:40	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			02/11/24 04:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			02/13/24 14:29	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	<50.1	U	50.1	mg/Kg		02/01/24 14:15	02/13/24 14:29	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		02/01/24 14:15	02/13/24 14:29	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-97 4.1'

Lab Sample ID: 880-38702-11

Date Collected: 01/29/24 14:50

Matrix: Solid

Date Received: 01/31/24 09:40

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)	<50.1	U	50.1	mg/Kg		02/01/24 14:15	02/13/24 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	187	S1+	70 - 130			02/01/24 14:15	02/13/24 14:29	1
o-Terphenyl (Surr)	212	S1+	70 - 130			02/01/24 14:15	02/13/24 14:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	285		4.98	mg/Kg			02/04/24 22:48	1

Client Sample ID: C-101 4.1'

Lab Sample ID: 880-38702-12

Date Collected: 01/29/24 14:54

Matrix: Solid

Date Received: 01/31/24 09:40

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		02/06/24 13:59	02/11/24 05:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/11/24 05:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/11/24 05:06	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/06/24 13:59	02/11/24 05:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/11/24 05:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/06/24 13:59	02/11/24 05:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			02/06/24 13:59	02/11/24 05:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130			02/06/24 13:59	02/11/24 05:06	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			02/11/24 05:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	83.2		50.4	mg/Kg			02/13/24 17:16	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	<50.4	U	50.4	mg/Kg		02/01/24 14:15	02/13/24 17:16	1
Diesel Range Organics (Over C10-C28)	83.2		50.4	mg/Kg		02/01/24 14:15	02/13/24 17:16	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		02/01/24 14:15	02/13/24 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	186	S1+	70 - 130			02/01/24 14:15	02/13/24 17:16	1
o-Terphenyl (Surr)	210	S1+	70 - 130			02/01/24 14:15	02/13/24 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		5.00	mg/Kg			02/04/24 22:53	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

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)
880-38702-1	C-70 4.1'	79	129
880-38702-2	C-75 4.1'	79	85
880-38702-3	C-64 4.1'	97	111
880-38702-4	C-67 4.1'	154 S1+	94
880-38702-5	C-68 4.1'	112	96
880-38702-6	C-91 4.1'	114	95
880-38702-7	C-92 4.1'	141 S1+	113
880-38702-8	C-94 4.1'	121	84
880-38702-9	C-95 4.1'	181 S1+	93
880-38702-10	C-96 4.1'	149 S1+	105
880-38702-11	C-97 4.1'	127	95
880-38702-12	C-101 4.1'	139 S1+	100
LCS 880-72507/1-A	Lab Control Sample	136 S1+	71
LCSD 880-72507/2-A	Lab Control Sample Dup	113	70
MB 880-72503/5-A	Method Blank	87	101
MB 880-72507/5-A	Method Blank	76	79
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)
880-38702-1	C-70 4.1'	90	102
880-38702-1 MS	C-70 4.1'	75	0 S1-
880-38702-1 MSD	C-70 4.1'	96	0 S1-
880-38702-2	C-75 4.1'	114	131 S1+
880-38702-3	C-64 4.1'	100	113
880-38702-4	C-67 4.1'	123	140 S1+
880-38702-5	C-68 4.1'	106	122
880-38702-6	C-91 4.1'	109	125
880-38702-7	C-92 4.1'	73	81
880-38702-8	C-94 4.1'	77	86
880-38702-9	C-95 4.1'	87	96
880-38702-10	C-96 4.1'	172 S1+	193 S1+
880-38702-11	C-97 4.1'	187 S1+	212 S1+
880-38702-12	C-101 4.1'	186 S1+	210 S1+
LCS 870-17963/1-A	Lab Control Sample	120	116
LCSD 870-17963/2-A	Lab Control Sample Dup	122	117
MB 870-17963/3-A	Method Blank	112	117
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72503/5-A

Matrix: Solid

Analysis Batch: 72703

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72503

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:36	02/10/24 07:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:36	02/10/24 07:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:36	02/10/24 07:13	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/06/24 13:36	02/10/24 07:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:36	02/10/24 07:13	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/06/24 13:36	02/10/24 07:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	02/06/24 13:36	02/10/24 07:13	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/06/24 13:36	02/10/24 07:13	1

Lab Sample ID: MB 880-72507/5-A

Matrix: Solid

Analysis Batch: 72703

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72507

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/10/24 20:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/10/24 20:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/10/24 20:56	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/06/24 13:59	02/10/24 20:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 13:59	02/10/24 20:56	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/06/24 13:59	02/10/24 20:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	02/06/24 13:59	02/10/24 20:56	1
1,4-Difluorobenzene (Surr)	79		70 - 130	02/06/24 13:59	02/10/24 20:56	1

Lab Sample ID: LCS 880-72507/1-A

Matrix: Solid

Analysis Batch: 72703

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 72507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09011		mg/Kg		90	70 - 130
Toluene	0.100	0.09772		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1074		mg/Kg		107	70 - 130
m,p-Xylenes	0.200	0.2285		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1146		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130
1,4-Difluorobenzene (Surr)	71		70 - 130

Lab Sample ID: LCSD 880-72507/2-A

Matrix: Solid

Analysis Batch: 72703

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 72507

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08819		mg/Kg		88	70 - 130	2	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

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

Lab Sample ID: LCSD 880-72507/2-A

Matrix: Solid

Analysis Batch: 72703

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 72507

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09322		mg/Kg		93	70 - 130	5	35
Ethylbenzene	0.100	0.1027		mg/Kg		103	70 - 130	4	35
m,p-Xylenes	0.200	0.2234		mg/Kg		112	70 - 130	2	35
o-Xylene	0.100	0.1081		mg/Kg		108	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	70		70 - 130

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

Lab Sample ID: MB 870-17963/3-A

Matrix: Solid

Analysis Batch: 17706

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17963

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		02/01/24 14:15	02/04/24 22:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/24 14:15	02/04/24 22:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/24 14:15	02/04/24 22:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130	02/01/24 14:15	02/04/24 22:33	1
o-Terphenyl (Surr)	117		70 - 130	02/01/24 14:15	02/04/24 22:33	1

Lab Sample ID: LCS 870-17963/1-A

Matrix: Solid

Analysis Batch: 17706

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1020	874.5		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1010	1046		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	120		70 - 130
o-Terphenyl (Surr)	116		70 - 130

Lab Sample ID: LCSD 870-17963/2-A

Matrix: Solid

Analysis Batch: 17706

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17963

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1020	1011		mg/Kg		99	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1010	1027		mg/Kg		102	70 - 130	2	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

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

Lab Sample ID: LCSD 870-17963/2-A

Matrix: Solid

Analysis Batch: 17706

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17963

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	122		70 - 130
o-Terphenyl (Surr)	117		70 - 130

Lab Sample ID: 880-38702-1 MS

Matrix: Solid

Analysis Batch: 17706

Client Sample ID: C-70 4.1'

Prep Type: Total/NA

Prep Batch: 17963

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U F1	1030	608.9	F1	mg/Kg		59	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U F2 F1	1020	698.9	F1	mg/Kg		69	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	75		70 - 130						
o-Terphenyl (Surr)	0	S1-	70 - 130						

Lab Sample ID: 880-38702-1 MSD

Matrix: Solid

Analysis Batch: 17706

Client Sample ID: C-70 4.1'

Prep Type: Total/NA

Prep Batch: 17963

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	<49.6	U F1	1030	689.9	F1	mg/Kg		67	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.6	U F2 F1	1020	921.1	F2	mg/Kg		91	70 - 130	27	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72127/1-A

Matrix: Solid

Analysis Batch: 72258

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/04/24 18:51	1

Lab Sample ID: LCS 880-72127/2-A

Matrix: Solid

Analysis Batch: 72258

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.5		mg/Kg		98	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-72127/3-A
Matrix: Solid
Analysis Batch: 72258

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	246.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-72128/1-A
Matrix: Solid
Analysis Batch: 72259

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/04/24 21:44	1

Lab Sample ID: LCS 880-72128/2-A
Matrix: Solid
Analysis Batch: 72259

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-72128/3-A
Matrix: Solid
Analysis Batch: 72259

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	242.9		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-38702-5 MS
Matrix: Solid
Analysis Batch: 72259

Client Sample ID: C-68 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	212		251	444.6		mg/Kg		93	90 - 110

Lab Sample ID: 880-38702-5 MSD
Matrix: Solid
Analysis Batch: 72259

Client Sample ID: C-68 4.1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	212		251	443.5		mg/Kg		92	90 - 110	0	20

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

GC VOA

Prep Batch: 72503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-72503/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 72507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-1	C-70 4.1'	Total/NA	Solid	5035	
880-38702-2	C-75 4.1'	Total/NA	Solid	5035	
880-38702-3	C-64 4.1'	Total/NA	Solid	5035	
880-38702-4	C-67 4.1'	Total/NA	Solid	5035	
880-38702-5	C-68 4.1'	Total/NA	Solid	5035	
880-38702-6	C-91 4.1'	Total/NA	Solid	5035	
880-38702-7	C-92 4.1'	Total/NA	Solid	5035	
880-38702-8	C-94 4.1'	Total/NA	Solid	5035	
880-38702-9	C-95 4.1'	Total/NA	Solid	5035	
880-38702-10	C-96 4.1'	Total/NA	Solid	5035	
880-38702-11	C-97 4.1'	Total/NA	Solid	5035	
880-38702-12	C-101 4.1'	Total/NA	Solid	5035	
MB 880-72507/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72507/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72507/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 72703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-1	C-70 4.1'	Total/NA	Solid	8021B	72507
880-38702-2	C-75 4.1'	Total/NA	Solid	8021B	72507
880-38702-3	C-64 4.1'	Total/NA	Solid	8021B	72507
880-38702-4	C-67 4.1'	Total/NA	Solid	8021B	72507
880-38702-5	C-68 4.1'	Total/NA	Solid	8021B	72507
880-38702-6	C-91 4.1'	Total/NA	Solid	8021B	72507
880-38702-7	C-92 4.1'	Total/NA	Solid	8021B	72507
880-38702-8	C-94 4.1'	Total/NA	Solid	8021B	72507
880-38702-9	C-95 4.1'	Total/NA	Solid	8021B	72507
880-38702-10	C-96 4.1'	Total/NA	Solid	8021B	72507
880-38702-11	C-97 4.1'	Total/NA	Solid	8021B	72507
880-38702-12	C-101 4.1'	Total/NA	Solid	8021B	72507
MB 880-72503/5-A	Method Blank	Total/NA	Solid	8021B	72503
MB 880-72507/5-A	Method Blank	Total/NA	Solid	8021B	72507
LCS 880-72507/1-A	Lab Control Sample	Total/NA	Solid	8021B	72507
LCSD 880-72507/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72507

Analysis Batch: 72979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-1	C-70 4.1'	Total/NA	Solid	Total BTEX	
880-38702-2	C-75 4.1'	Total/NA	Solid	Total BTEX	
880-38702-3	C-64 4.1'	Total/NA	Solid	Total BTEX	
880-38702-4	C-67 4.1'	Total/NA	Solid	Total BTEX	
880-38702-5	C-68 4.1'	Total/NA	Solid	Total BTEX	
880-38702-6	C-91 4.1'	Total/NA	Solid	Total BTEX	
880-38702-7	C-92 4.1'	Total/NA	Solid	Total BTEX	
880-38702-8	C-94 4.1'	Total/NA	Solid	Total BTEX	
880-38702-9	C-95 4.1'	Total/NA	Solid	Total BTEX	
880-38702-10	C-96 4.1'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

GC VOA (Continued)

Analysis Batch: 72979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-11	C-97 4.1'	Total/NA	Solid	Total BTEX	
880-38702-12	C-101 4.1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 17706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-1	C-70 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-2	C-75 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-3	C-64 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-4	C-67 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-5	C-68 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-6	C-91 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-7	C-92 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-8	C-94 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-9	C-95 4.1'	Total/NA	Solid	8015B NM	17963
MB 870-17963/3-A	Method Blank	Total/NA	Solid	8015B NM	17963
LCS 870-17963/1-A	Lab Control Sample	Total/NA	Solid	8015B NM	17963
LCSD 870-17963/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17963
880-38702-1 MS	C-70 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-1 MSD	C-70 4.1'	Total/NA	Solid	8015B NM	17963

Prep Batch: 17963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-1	C-70 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-2	C-75 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-3	C-64 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-4	C-67 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-5	C-68 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-6	C-91 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-7	C-92 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-8	C-94 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-9	C-95 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-10	C-96 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-11	C-97 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-12	C-101 4.1'	Total/NA	Solid	8015NM Prep	
MB 870-17963/3-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 870-17963/1-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 870-17963/2-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-38702-1 MS	C-70 4.1'	Total/NA	Solid	8015NM Prep	
880-38702-1 MSD	C-70 4.1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-10	C-96 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-11	C-97 4.1'	Total/NA	Solid	8015B NM	17963
880-38702-12	C-101 4.1'	Total/NA	Solid	8015B NM	17963

Analysis Batch: 17992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-1	C-70 4.1'	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

GC Semi VOA (Continued)

Analysis Batch: 17992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-2	C-75 4.1'	Total/NA	Solid	8015 NM	
880-38702-3	C-64 4.1'	Total/NA	Solid	8015 NM	
880-38702-4	C-67 4.1'	Total/NA	Solid	8015 NM	
880-38702-5	C-68 4.1'	Total/NA	Solid	8015 NM	
880-38702-6	C-91 4.1'	Total/NA	Solid	8015 NM	
880-38702-7	C-92 4.1'	Total/NA	Solid	8015 NM	
880-38702-8	C-94 4.1'	Total/NA	Solid	8015 NM	
880-38702-9	C-95 4.1'	Total/NA	Solid	8015 NM	
880-38702-10	C-96 4.1'	Total/NA	Solid	8015 NM	
880-38702-11	C-97 4.1'	Total/NA	Solid	8015 NM	
880-38702-12	C-101 4.1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-1	C-70 4.1'	Soluble	Solid	DI Leach	
880-38702-2	C-75 4.1'	Soluble	Solid	DI Leach	
880-38702-3	C-64 4.1'	Soluble	Solid	DI Leach	
880-38702-4	C-67 4.1'	Soluble	Solid	DI Leach	
MB 880-72127/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72127/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72127/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 72128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-5	C-68 4.1'	Soluble	Solid	DI Leach	
880-38702-6	C-91 4.1'	Soluble	Solid	DI Leach	
880-38702-7	C-92 4.1'	Soluble	Solid	DI Leach	
880-38702-8	C-94 4.1'	Soluble	Solid	DI Leach	
880-38702-9	C-95 4.1'	Soluble	Solid	DI Leach	
880-38702-10	C-96 4.1'	Soluble	Solid	DI Leach	
880-38702-11	C-97 4.1'	Soluble	Solid	DI Leach	
880-38702-12	C-101 4.1'	Soluble	Solid	DI Leach	
MB 880-72128/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72128/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72128/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38702-5 MS	C-68 4.1'	Soluble	Solid	DI Leach	
880-38702-5 MSD	C-68 4.1'	Soluble	Solid	DI Leach	

Analysis Batch: 72258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-1	C-70 4.1'	Soluble	Solid	300.0	72127
880-38702-2	C-75 4.1'	Soluble	Solid	300.0	72127
880-38702-3	C-64 4.1'	Soluble	Solid	300.0	72127
880-38702-4	C-67 4.1'	Soluble	Solid	300.0	72127
MB 880-72127/1-A	Method Blank	Soluble	Solid	300.0	72127
LCS 880-72127/2-A	Lab Control Sample	Soluble	Solid	300.0	72127
LCSD 880-72127/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72127

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

HPLC/IC

Analysis Batch: 72259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38702-5	C-68 4.1'	Soluble	Solid	300.0	72128
880-38702-6	C-91 4.1'	Soluble	Solid	300.0	72128
880-38702-7	C-92 4.1'	Soluble	Solid	300.0	72128
880-38702-8	C-94 4.1'	Soluble	Solid	300.0	72128
880-38702-9	C-95 4.1'	Soluble	Solid	300.0	72128
880-38702-10	C-96 4.1'	Soluble	Solid	300.0	72128
880-38702-11	C-97 4.1'	Soluble	Solid	300.0	72128
880-38702-12	C-101 4.1'	Soluble	Solid	300.0	72128
MB 880-72128/1-A	Method Blank	Soluble	Solid	300.0	72128
LCS 880-72128/2-A	Lab Control Sample	Soluble	Solid	300.0	72128
LCSD 880-72128/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72128
880-38702-5 MS	C-68 4.1'	Soluble	Solid	300.0	72128
880-38702-5 MSD	C-68 4.1'	Soluble	Solid	300.0	72128

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-70 4.1'**Lab Sample ID: 880-38702-1****Date Collected: 01/29/24 14:00****Matrix: Solid****Date Received: 01/31/24 09:40**

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/10/24 23:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/10/24 23:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/04/24 22:54	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/04/24 22:54	WP	EET DAL
Soluble	Leach	DI Leach			5.02 g	50 mL	72127	02/01/24 11:09	SMC	EET MID
Soluble	Analysis	300.0		1			72258	02/04/24 21:04	CH	EET MID

Client Sample ID: C-75 4.1'**Lab Sample ID: 880-38702-2****Date Collected: 01/29/24 14:04****Matrix: Solid****Date Received: 01/31/24 09:40**

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/10/24 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/10/24 23:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/04/24 23:56	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/04/24 23:56	WP	EET DAL
Soluble	Leach	DI Leach			5.00 g	50 mL	72127	02/01/24 11:09	SMC	EET MID
Soluble	Analysis	300.0		1			72258	02/04/24 21:09	CH	EET MID

Client Sample ID: C-64 4.1'**Lab Sample ID: 880-38702-3****Date Collected: 01/29/24 14:30****Matrix: Solid****Date Received: 01/31/24 09:40**

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/10/24 23:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/10/24 23:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/05/24 00:16	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/05/24 00:16	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	72127	02/01/24 11:09	SMC	EET MID
Soluble	Analysis	300.0		1			72258	02/04/24 21:14	CH	EET MID

Client Sample ID: C-67 4.1'**Lab Sample ID: 880-38702-4****Date Collected: 01/29/24 14:32****Matrix: Solid****Date Received: 01/31/24 09:40**

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 00:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/11/24 00:24	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-67 4.1'

Lab Sample ID: 880-38702-4

Date Collected: 01/29/24 14:32

Matrix: Solid

Date Received: 01/31/24 09:40

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			17992	02/05/24 00:37	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/05/24 00:37	WP	EET DAL
Soluble	Leach	DI Leach			5.00 g	50 mL	72127	02/01/24 11:09	SMC	EET MID
Soluble	Analysis	300.0		1			72258	02/04/24 21:19	CH	EET MID

Client Sample ID: C-68 4.1'

Lab Sample ID: 880-38702-5

Date Collected: 01/29/24 14:35

Matrix: Solid

Date Received: 01/31/24 09:40

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/11/24 00:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/05/24 00:58	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/05/24 00:58	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	72128	02/01/24 11:12	SMC	EET MID
Soluble	Analysis	300.0		1			72259	02/04/24 21:58	CH	EET MID

Client Sample ID: C-91 4.1'

Lab Sample ID: 880-38702-6

Date Collected: 01/29/24 14:40

Matrix: Solid

Date Received: 01/31/24 09:40

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/11/24 01:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/05/24 01:18	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/05/24 01:18	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	72128	02/01/24 11:12	SMC	EET MID
Soluble	Analysis	300.0		1			72259	02/04/24 22:13	CH	EET MID

Client Sample ID: C-92 4.1'

Lab Sample ID: 880-38702-7

Date Collected: 01/29/24 14:42

Matrix: Solid

Date Received: 01/31/24 09:40

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/11/24 02:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/05/24 01:39	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/05/24 01:39	WP	EET DAL

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-92 4.1'
Date Collected: 01/29/24 14:42
Date Received: 01/31/24 09:40

Lab Sample ID: 880-38702-7
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			4.96 g	50 mL	72128	02/01/24 11:12	SMC	EET MID
Soluble	Analysis	300.0		1			72259	02/04/24 22:18	CH	EET MID

Client Sample ID: C-94 4.1'
Date Collected: 01/29/24 14:45
Date Received: 01/31/24 09:40

Lab Sample ID: 880-38702-8
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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 03:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/11/24 03:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/05/24 01:59	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/05/24 01:59	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	72128	02/01/24 11:12	SMC	EET MID
Soluble	Analysis	300.0		1			72259	02/04/24 22:23	CH	EET MID

Client Sample ID: C-95 4.1'
Date Collected: 01/29/24 14:46
Date Received: 01/31/24 09:40

Lab Sample ID: 880-38702-9
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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/11/24 03:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/05/24 02:20	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17706	02/05/24 02:20	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	72128	02/01/24 11:12	SMC	EET MID
Soluble	Analysis	300.0		1			72259	02/04/24 22:28	CH	EET MID

Client Sample ID: C-96 4.1'
Date Collected: 01/29/24 14:48
Date Received: 01/31/24 09:40

Lab Sample ID: 880-38702-10
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			4.98 g	5 mL	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 04:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/11/24 04:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/13/24 14:08	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 14:08	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	72128	02/01/24 11:12	SMC	EET MID
Soluble	Analysis	300.0		1			72259	02/04/24 22:43	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

Client Sample ID: C-97 4.1'
Date Collected: 01/29/24 14:50
Date Received: 01/31/24 09:40

Lab Sample ID: 880-38702-11
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			4.95 g	5 mL	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 04:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/11/24 04:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/13/24 14:29	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 14:29	WP	EET DAL
Soluble	Leach	DI Leach			5.02 g	50 mL	72128	02/01/24 11:12	SMC	EET MID
Soluble	Analysis	300.0		1			72259	02/04/24 22:48	CH	EET MID

Client Sample ID: C-101 4.1'
Date Collected: 01/29/24 14:54
Date Received: 01/31/24 09:40

Lab Sample ID: 880-38702-12
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			5.00 g	5 mL	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72979	02/11/24 05:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			17992	02/13/24 17:16	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17963	02/01/24 14:15	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17988	02/13/24 17:16	WP	EET DAL
Soluble	Leach	DI Leach			5.00 g	50 mL	72128	02/01/24 11:12	SMC	EET MID
Soluble	Analysis	300.0		1			72259	02/04/24 22:53	CH	EET MID

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

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	T104704400-23-26	06-30-24
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
Total BTEX		Solid	Total BTEX

Laboratory: Eurofins Dallas

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

Method Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

Job ID: 880-38702-1
SDG: 3232

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 DAL
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET DAL
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET DAL
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 DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: SD WE 24 FED P23

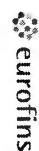
Job ID: 880-38702-1
SDG: 3232

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-38702-1	C-70 4.1'	Solid	01/29/24 14:00	01/31/24 09:40
880-38702-2	C-75 4.1'	Solid	01/29/24 14:04	01/31/24 09:40
880-38702-3	C-64 4.1'	Solid	01/29/24 14:30	01/31/24 09:40
880-38702-4	C-67 4.1'	Solid	01/29/24 14:32	01/31/24 09:40
880-38702-5	C-68 4.1'	Solid	01/29/24 14:35	01/31/24 09:40
880-38702-6	C-91 4.1'	Solid	01/29/24 14:40	01/31/24 09:40
880-38702-7	C-92 4.1'	Solid	01/29/24 14:42	01/31/24 09:40
880-38702-8	C-94 4.1'	Solid	01/29/24 14:45	01/31/24 09:40
880-38702-9	C-95 4.1'	Solid	01/29/24 14:46	01/31/24 09:40
880-38702-10	C-96 4.1'	Solid	01/29/24 14:48	01/31/24 09:40
880-38702-11	C-97 4.1'	Solid	01/29/24 14:50	01/31/24 09:40
880-38702-12	C-101 4.1'	Solid	01/29/24 14:54	01/31/24 09:40

Eurofins Midland

1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



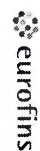
Environmental Testing

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:						
Client Contact:		Phone:	Taylor, Holly		880-9104.1						
Shipping/Receiving			E-Mail: Holly.Taylor@et.eurofins.com	State of Origin: New Mexico	Page: Page 1 of 2						
Company:	Eurofins Environment Testing South Cent		Accreditations Required (See note): NELAP - Texas		Job #: 880-38702-1						
Address:	9701 Harry Hines Blvd.	Due Date Requested:	2/6/2024		Preservation Codes:						
City:	Dallas	TAT Requested (days):			A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsH2O2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Y - Trizma Z - other (specify)						
State, Zip:	TX, 75220	PO #:									
Phone:	214-902-0300(Tel)	WO #:									
Email:		Project #:	88000254								
Project Name:	SD WE 24 FED P23	SSOW#:									
Site:											
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (In-water, S-solid, Overwater, BT-Tissue, A-Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
C-70 4.1' (880-38702-1)		1/29/24	14:00		Solid		X	X		2	
C-75 4.1' (880-38702-2)		1/29/24	14:04		Solid		X	X		2	
C-64 4.1' (880-38702-3)		1/29/24	14:30		Solid		X	X		2	
C-67 4.1' (880-38702-4)		1/29/24	14:32		Solid		X	X		2	
C-68 4.1' (880-38702-5)		1/29/24	14:35		Solid		X	X		2	
C-91 4.1' (880-38702-6)		1/29/24	14:40		Solid		X	X		2	
C-92 4.1' (880-38702-7)		1/29/24	14:42		Solid		X	X		2	
C-94 4.1' (880-38702-8)		1/29/24	14:45		Solid		X	X		2	
C-95 4.1' (880-38702-9)		1/29/24	14:46		Solid		X	X		2	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.											
Possible Hazard Identification											
Unconfirmed											
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2											
Empty Kit Relinquished by: Date: Time: Method of Shipment:											
Relinquished by: Date/Time: Company: Received by: Date/Time: Company:											
Relinquished by: Date/Time: Company: Received by: Date/Time: Company:											
Relinquished by: Date/Time: Company: Received by: Date/Time: Company:											
Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:											
Δ Yes Δ No											

Eurofins Midland

1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



Environmental Testing

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-38702-1
SDG Number: 3232

Login Number: 38702
List Number: 1
Creator: Wheeler, Jazmine

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	

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-38702-1
SDG Number: 3232

Login Number: 38702
List Number: 2
Creator: Thompson, Christopher

List Source: Eurofins Dallas
List Creation: 02/03/24 01:45 PM

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?	N/A	
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").	True	



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 5/15/2024 2:36:37 PM

JOB DESCRIPTION

Salado Draw WE 24 FED P23
21-0100-07

JOB NUMBER

880-43142-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

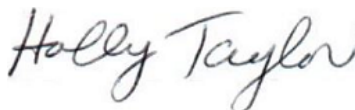
Eurofins Midland

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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5/15/2024 2:36:37 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Laboratory Job ID: 880-43142-1
SDG: 21-0100-07

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: Salado Draw WE 24 FED P23

Job ID: 880-43142-1

Job ID: 880-43142-1

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Job Narrative 880-43142-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 5/7/2024 9:11 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 -0.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BF-1 (880-43142-1), BF-2 (880-43142-2), BF-3 (880-43142-3), BF-4 (880-43142-4) and BF-5 (880-43142-5).

GC VOA

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

GC Semi VOA

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: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Client Sample ID: BF-1

Lab Sample ID: 880-43142-1

Date Collected: 05/06/24 12:15

Matrix: Solid

Date Received: 05/07/24 09:11

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		05/07/24 13:46	05/08/24 03:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/07/24 13:46	05/08/24 03:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/07/24 13:46	05/08/24 03:45	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/07/24 13:46	05/08/24 03:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/07/24 13:46	05/08/24 03:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/07/24 13:46	05/08/24 03:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			05/07/24 13:46	05/08/24 03:45	1
1,4-Difluorobenzene (Surr)	105		70 - 130			05/07/24 13:46	05/08/24 03:45	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			05/08/24 03:45	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			05/14/24 15:28	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	<50.0	U	50.0	mg/Kg		05/08/24 09:07	05/14/24 15:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/24 09:07	05/14/24 15:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/24 09:07	05/14/24 15:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			05/08/24 09:07	05/14/24 15:28	1
o-Terphenyl (Surr)	80		70 - 130			05/08/24 09:07	05/14/24 15:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.4		5.02	mg/Kg			05/08/24 16:36	1

Client Sample ID: BF-2

Lab Sample ID: 880-43142-2

Date Collected: 05/06/24 12:18

Matrix: Solid

Date Received: 05/07/24 09:11

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		05/07/24 13:46	05/08/24 04:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/07/24 13:46	05/08/24 04:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/07/24 13:46	05/08/24 04:05	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		05/07/24 13:46	05/08/24 04:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/07/24 13:46	05/08/24 04:05	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/07/24 13:46	05/08/24 04:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			05/07/24 13:46	05/08/24 04:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130			05/07/24 13:46	05/08/24 04:05	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Client Sample ID: BF-2
Date Collected: 05/06/24 12:18
Date Received: 05/07/24 09:11

Lab Sample ID: 880-43142-2
Matrix: Solid

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			05/08/24 04:05	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			05/14/24 16:19	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		05/08/24 09:07	05/14/24 16:19	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/08/24 09:07	05/14/24 16:19	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/08/24 09:07	05/14/24 16:19	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	86		70 - 130			05/08/24 09:07	05/14/24 16:19	1	
o-Terphenyl (Surr)	84		70 - 130			05/08/24 09:07	05/14/24 16:19	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	25.8		4.98	mg/Kg			05/08/24 16:41	1	

Client Sample ID: BF-3
Date Collected: 05/06/24 12:25
Date Received: 05/07/24 09:11

Lab Sample ID: 880-43142-3
Matrix: Solid

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		05/07/24 13:46	05/08/24 04:26	1	
Toluene	<0.00199	U	0.00199	mg/Kg		05/07/24 13:46	05/08/24 04:26	1	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/07/24 13:46	05/08/24 04:26	1	
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/07/24 13:46	05/08/24 04:26	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/07/24 13:46	05/08/24 04:26	1	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/07/24 13:46	05/08/24 04:26	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	99		70 - 130			05/07/24 13:46	05/08/24 04:26	1	
1,4-Difluorobenzene (Surr)	101		70 - 130			05/07/24 13:46	05/08/24 04:26	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			05/08/24 04:26	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			05/14/24 16:37	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		05/08/24 09:07	05/14/24 16:37	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/08/24 09:07	05/14/24 16:37	1	

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Client Sample ID: BF-3

Lab Sample ID: 880-43142-3

Date Collected: 05/06/24 12:25

Matrix: Solid

Date Received: 05/07/24 09:11

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		05/08/24 09:07	05/14/24 16:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130			05/08/24 09:07	05/14/24 16:37	1
o-Terphenyl (Surr)	94		70 - 130			05/08/24 09:07	05/14/24 16:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.8		5.03	mg/Kg			05/08/24 16:57	1

Client Sample ID: BF-4

Lab Sample ID: 880-43142-4

Date Collected: 05/06/24 12:33

Matrix: Solid

Date Received: 05/07/24 09:11

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		05/07/24 13:46	05/08/24 04:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/07/24 13:46	05/08/24 04:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/07/24 13:46	05/08/24 04:47	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/07/24 13:46	05/08/24 04:47	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/07/24 13:46	05/08/24 04:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/07/24 13:46	05/08/24 04:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			05/07/24 13:46	05/08/24 04:47	1
1,4-Difluorobenzene (Surr)	107		70 - 130			05/07/24 13:46	05/08/24 04:47	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			05/08/24 04:47	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			05/14/24 16:55	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	<49.7	U	49.7	mg/Kg		05/08/24 09:07	05/14/24 16:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		05/08/24 09:07	05/14/24 16:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		05/08/24 09:07	05/14/24 16:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			05/08/24 09:07	05/14/24 16:55	1
o-Terphenyl (Surr)	94		70 - 130			05/08/24 09:07	05/14/24 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.5		5.00	mg/Kg			05/08/24 17:03	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Client Sample ID: BF-5

Lab Sample ID: 880-43142-5

Date Collected: 05/06/24 12:37

Matrix: Solid

Date Received: 05/07/24 09:11

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		05/07/24 13:46	05/08/24 05:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/07/24 13:46	05/08/24 05:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/07/24 13:46	05/08/24 05:07	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/07/24 13:46	05/08/24 05:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/07/24 13:46	05/08/24 05:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/07/24 13:46	05/08/24 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/07/24 13:46	05/08/24 05:07	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/07/24 13:46	05/08/24 05:07	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			05/08/24 05:07	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			05/14/24 17:12	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		05/08/24 09:07	05/14/24 17:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		05/08/24 09:07	05/14/24 17:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		05/08/24 09:07	05/14/24 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130	05/08/24 09:07	05/14/24 17:12	1
o-Terphenyl (Surr)	94		70 - 130	05/08/24 09:07	05/14/24 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.6		4.95	mg/Kg			05/08/24 17:09	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

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)
880-43142-1	BF-1	100	105
880-43142-2	BF-2	96	101
880-43142-3	BF-3	99	101
880-43142-4	BF-4	104	107
880-43142-5	BF-5	100	106
LCS 880-80140/1-A	Lab Control Sample	108	97
LCSD 880-80140/2-A	Lab Control Sample Dup	111	98
MB 880-80130/5-A	Method Blank	74	97
MB 880-80140/5-A	Method Blank	76	96
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)
880-43142-1	BF-1	87	80
880-43142-1 MS	BF-1	122	100
880-43142-1 MSD	BF-1	98	96
880-43142-2	BF-2	86	84
880-43142-3	BF-3	95	94
880-43142-4	BF-4	98	94
880-43142-5	BF-5	96	94
LCS 880-80222/2-A	Lab Control Sample	93	95
LCSD 880-80222/3-A	Lab Control Sample Dup	90	92
MB 880-80222/1-A	Method Blank	88	88
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-80130/5-A

Matrix: Solid

Analysis Batch: 80119

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80130

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/07/24 09:06	05/07/24 11:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/07/24 09:06	05/07/24 11:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/07/24 09:06	05/07/24 11:29	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/07/24 09:06	05/07/24 11:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/07/24 09:06	05/07/24 11:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/07/24 09:06	05/07/24 11:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	05/07/24 09:06	05/07/24 11:29	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/07/24 09:06	05/07/24 11:29	1

Lab Sample ID: MB 880-80140/5-A

Matrix: Solid

Analysis Batch: 80119

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80140

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/07/24 10:06	05/07/24 22:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/07/24 10:06	05/07/24 22:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/07/24 10:06	05/07/24 22:11	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/07/24 10:06	05/07/24 22:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/07/24 10:06	05/07/24 22:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/07/24 10:06	05/07/24 22:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	05/07/24 10:06	05/07/24 22:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/07/24 10:06	05/07/24 22:11	1

Lab Sample ID: LCS 880-80140/1-A

Matrix: Solid

Analysis Batch: 80119

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1001		mg/Kg		100	70 - 130
Toluene	0.100	0.1099		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1128		mg/Kg		113	70 - 130
m,p-Xylenes	0.200	0.2279		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1156		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-80140/2-A

Matrix: Solid

Analysis Batch: 80119

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1084		mg/Kg		108	70 - 130	8	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-80140/2-A
Matrix: Solid
Analysis Batch: 80119

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80140

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD	
	Added		Result	Qualifier				Limits		RPD	Limit
Toluene	0.100		0.1141		mg/Kg		114	70 - 130		4	35
Ethylbenzene	0.100		0.1124		mg/Kg		112	70 - 130		0	35
m,p-Xylenes	0.200		0.2266		mg/Kg		113	70 - 130		1	35
o-Xylene	0.100		0.1147		mg/Kg		115	70 - 130		1	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-80222/1-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80222

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/08/24 09:06	05/14/24 10:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/08/24 09:06	05/14/24 10:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/08/24 09:06	05/14/24 10:03	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	88		70 - 130	05/08/24 09:06	05/14/24 10:03	1
o-Terphenyl (Surr)	88		70 - 130	05/08/24 09:06	05/14/24 10:03	1

Lab Sample ID: LCS 880-80222/2-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80222

Analyte	Spike		LCS		Unit	D	%Rec	%Rec	
	Added		Result	Qualifier				Limits	
Gasoline Range Organics (GRO)-C6-C10	1000		1037		mg/Kg		104	70 - 130	
Diesel Range Organics (Over C10-C28)	1000		884.6		mg/Kg		88	70 - 130	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	93		70 - 130
o-Terphenyl (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-80222/3-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80222

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD	
	Added		Result	Qualifier				Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000		981.8		mg/Kg		98	70 - 130		5	20
Diesel Range Organics (Over C10-C28)	1000		853.6		mg/Kg		85	70 - 130		4	20

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-80222/3-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80222

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: 880-43142-1 MS
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 80222

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	928.0		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	822.7		mg/Kg		81	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	122		70 - 130							
o-Terphenyl (Surr)	100		70 - 130							

Lab Sample ID: 880-43142-1 MSD
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: BF-1
Prep Type: Total/NA
Prep Batch: 80222

	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	<50.0	U	1000	905.8		mg/Kg		91	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	837.8		mg/Kg		82	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane (Surr)	98		70 - 130									
o-Terphenyl (Surr)	96		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80185/1-A
Matrix: Solid
Analysis Batch: 80198

Client Sample ID: Method Blank
Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00	mg/Kg			05/08/24 14:47	1		

Lab Sample ID: LCS 880-80185/2-A
Matrix: Solid
Analysis Batch: 80198

Client Sample ID: Lab Control Sample
Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	264.0		mg/Kg		106	90 - 110			

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-80185/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 80198											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	250	264.6		mg/Kg		106	90 - 110	0	20		

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

GC VOA

Analysis Batch: 80119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43142-1	BF-1	Total/NA	Solid	8021B	80140
880-43142-2	BF-2	Total/NA	Solid	8021B	80140
880-43142-3	BF-3	Total/NA	Solid	8021B	80140
880-43142-4	BF-4	Total/NA	Solid	8021B	80140
880-43142-5	BF-5	Total/NA	Solid	8021B	80140
MB 880-80130/5-A	Method Blank	Total/NA	Solid	8021B	80130
MB 880-80140/5-A	Method Blank	Total/NA	Solid	8021B	80140
LCS 880-80140/1-A	Lab Control Sample	Total/NA	Solid	8021B	80140
LCSD 880-80140/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80140

Prep Batch: 80130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80130/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 80140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43142-1	BF-1	Total/NA	Solid	5035	
880-43142-2	BF-2	Total/NA	Solid	5035	
880-43142-3	BF-3	Total/NA	Solid	5035	
880-43142-4	BF-4	Total/NA	Solid	5035	
880-43142-5	BF-5	Total/NA	Solid	5035	
MB 880-80140/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80140/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80140/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 80248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43142-1	BF-1	Total/NA	Solid	Total BTEX	
880-43142-2	BF-2	Total/NA	Solid	Total BTEX	
880-43142-3	BF-3	Total/NA	Solid	Total BTEX	
880-43142-4	BF-4	Total/NA	Solid	Total BTEX	
880-43142-5	BF-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 80222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43142-1	BF-1	Total/NA	Solid	8015NM Prep	
880-43142-2	BF-2	Total/NA	Solid	8015NM Prep	
880-43142-3	BF-3	Total/NA	Solid	8015NM Prep	
880-43142-4	BF-4	Total/NA	Solid	8015NM Prep	
880-43142-5	BF-5	Total/NA	Solid	8015NM Prep	
MB 880-80222/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80222/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-43142-1 MS	BF-1	Total/NA	Solid	8015NM Prep	
880-43142-1 MSD	BF-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 80690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43142-1	BF-1	Total/NA	Solid	8015B NM	80222

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Analysis Batch: 80690 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43142-2	BF-2	Total/NA	Solid	8015B NM	80222
880-43142-3	BF-3	Total/NA	Solid	8015B NM	80222
880-43142-4	BF-4	Total/NA	Solid	8015B NM	80222
880-43142-5	BF-5	Total/NA	Solid	8015B NM	80222
MB 880-80222/1-A	Method Blank	Total/NA	Solid	8015B NM	80222
LCS 880-80222/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80222
LCSD 880-80222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80222
880-43142-1 MS	BF-1	Total/NA	Solid	8015B NM	80222
880-43142-1 MSD	BF-1	Total/NA	Solid	8015B NM	80222

Analysis Batch: 80802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43142-1	BF-1	Total/NA	Solid	8015 NM	
880-43142-2	BF-2	Total/NA	Solid	8015 NM	
880-43142-3	BF-3	Total/NA	Solid	8015 NM	
880-43142-4	BF-4	Total/NA	Solid	8015 NM	
880-43142-5	BF-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 80185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43142-1	BF-1	Soluble	Solid	DI Leach	
880-43142-2	BF-2	Soluble	Solid	DI Leach	
880-43142-3	BF-3	Soluble	Solid	DI Leach	
880-43142-4	BF-4	Soluble	Solid	DI Leach	
880-43142-5	BF-5	Soluble	Solid	DI Leach	
MB 880-80185/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80185/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80185/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 80198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43142-1	BF-1	Soluble	Solid	300.0	80185
880-43142-2	BF-2	Soluble	Solid	300.0	80185
880-43142-3	BF-3	Soluble	Solid	300.0	80185
880-43142-4	BF-4	Soluble	Solid	300.0	80185
880-43142-5	BF-5	Soluble	Solid	300.0	80185
MB 880-80185/1-A	Method Blank	Soluble	Solid	300.0	80185
LCS 880-80185/2-A	Lab Control Sample	Soluble	Solid	300.0	80185
LCSD 880-80185/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80185

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Client Sample ID: BF-1

Date Collected: 05/06/24 12:15

Date Received: 05/07/24 09:11

Lab Sample ID: 880-43142-1

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			5.02 g	5 mL	80140	05/07/24 13:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80119	05/08/24 03:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80248	05/08/24 03:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			80802	05/14/24 15:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	80222	05/08/24 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80690	05/14/24 15:28	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80185	05/07/24 14:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80198	05/08/24 16:36	SMC	EET MID

Client Sample ID: BF-2

Date Collected: 05/06/24 12:18

Date Received: 05/07/24 09:11

Lab Sample ID: 880-43142-2

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	80140	05/07/24 13:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80119	05/08/24 04:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80248	05/08/24 04:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			80802	05/14/24 16:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80222	05/08/24 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80690	05/14/24 16:19	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80185	05/07/24 14:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80198	05/08/24 16:41	SMC	EET MID

Client Sample ID: BF-3

Date Collected: 05/06/24 12:25

Date Received: 05/07/24 09:11

Lab Sample ID: 880-43142-3

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	80140	05/07/24 13:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80119	05/08/24 04:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80248	05/08/24 04:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			80802	05/14/24 16:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80222	05/08/24 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80690	05/14/24 16:37	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80185	05/07/24 14:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80198	05/08/24 16:57	SMC	EET MID

Client Sample ID: BF-4

Date Collected: 05/06/24 12:33

Date Received: 05/07/24 09:11

Lab Sample ID: 880-43142-4

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			5.01 g	5 mL	80140	05/07/24 13:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80119	05/08/24 04:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80248	05/08/24 04:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Client Sample ID: BF-4

Lab Sample ID: 880-43142-4

Date Collected: 05/06/24 12:33

Matrix: Solid

Date Received: 05/07/24 09:11

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			80802	05/14/24 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80222	05/08/24 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80690	05/14/24 16:55	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80185	05/07/24 14:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80198	05/08/24 17:03	SMC	EET MID

Client Sample ID: BF-5

Lab Sample ID: 880-43142-5

Date Collected: 05/06/24 12:37

Matrix: Solid

Date Received: 05/07/24 09:11

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	80140	05/07/24 13:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80119	05/08/24 05:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80248	05/08/24 05:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			80802	05/14/24 17:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80222	05/08/24 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80690	05/14/24 17:12	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	80185	05/07/24 14:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80198	05/08/24 17:09	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: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

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	T104704400-23-26	06-30-24
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: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

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: Salado Draw WE 24 FED P23

Job ID: 880-43142-1
SDG: 21-0100-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-43142-1	BF-1	Solid	05/06/24 12:15	05/07/24 09:11
880-43142-2	BF-2	Solid	05/06/24 12:18	05/07/24 09:11
880-43142-3	BF-3	Solid	05/06/24 12:25	05/07/24 09:11
880-43142-4	BF-4	Solid	05/06/24 12:33	05/07/24 09:11
880-43142-5	BF-5	Solid	05/06/24 12:37	05/07/24 09:11

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- 9
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- 11
- 12
- 13
- 14

43142

No. 3312

CHAIN-OF-CUSTODY

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-43142-1

SDG Number: 21-0100-07

Login Number: 43142

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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 F

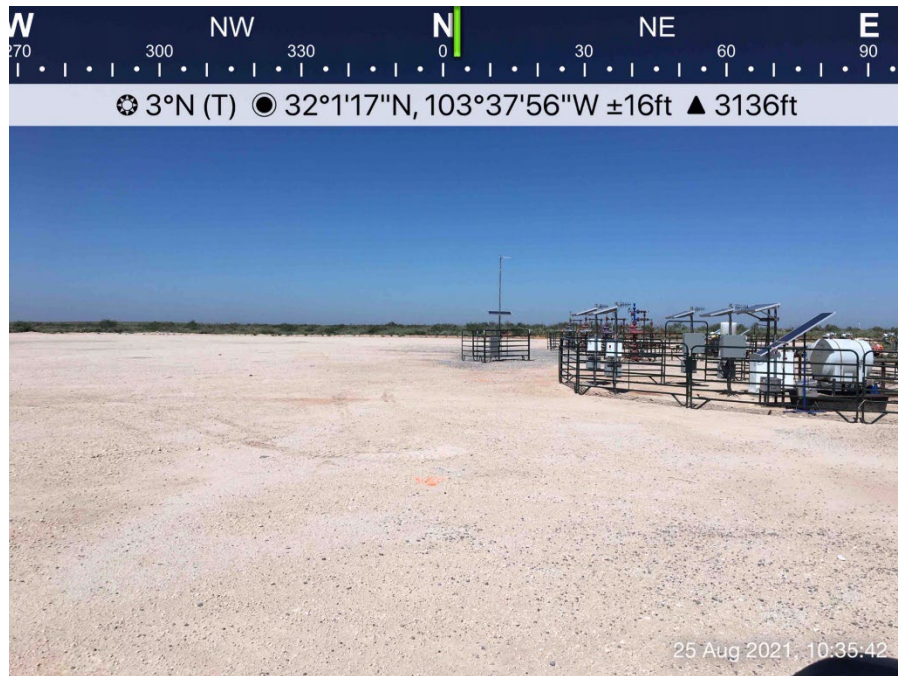
Photographic Documentation



Impacted area on the pad, viewing to the northwest.



Impacted area on the pad, viewing to the northwest.



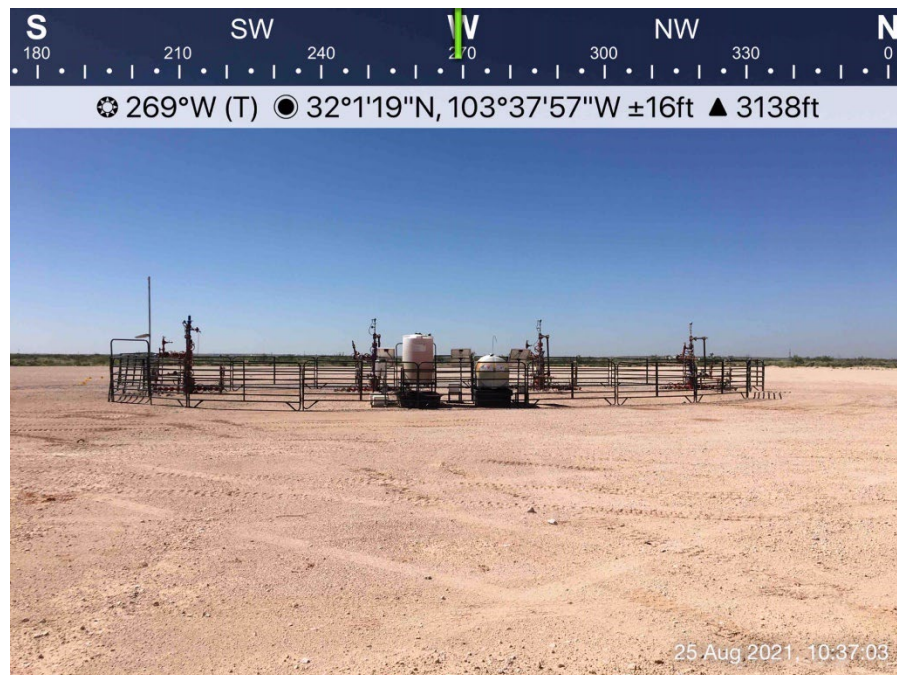
Impacted area on the pad, viewing to the north.



Impacted area on the pad, viewing to the northwest.



Impacted area on the pad, viewing to the northwest.



Impacted area on the pad, viewing to the west.



Impacted area on the pad, viewing to the southwest.



Impacted area on the pad, viewing to the south.



Impacted area on the pad, viewing to the east.



Impacted area on the pad, viewing to the north.



Excavated area on the pad, viewing to the east.



Excavated area on the pad, viewing to the east.



Excavated area on the pad, viewing to the northeast.



Excavated area on the pad, viewing to the northeast.



Excavated area on the pad, viewing to the northeast.



Excavated area on the pad, viewing to southwest.



Excavated area on the pad, viewing to the south.



Excavated area on the pad, viewing to the east.



Excavated area on the pad, viewing to the northwest.



Excavated area on the pad, viewing to the west.



Excavated area on the pad, viewing to the north.



Excavated area on the pad, viewing to the northeast.



Excavated area on the pad, viewing to the north.



Excavated area on the pad, viewing to the west.



Excavated area on the pad, viewing to the southwest.



Excavated area on the pad, viewing to the west.



Excavated area on the pad, viewing to the northwest.



Excavated area on the pad, viewing to the north.



Excavated area on the pad, viewing to the northwest.



Excavated area on the pad, viewing to the south.



Excavated area on the pad, viewing to the south.



Excavated area on the pad, viewing to the south.



Excavated area on the pad, viewing to the south.



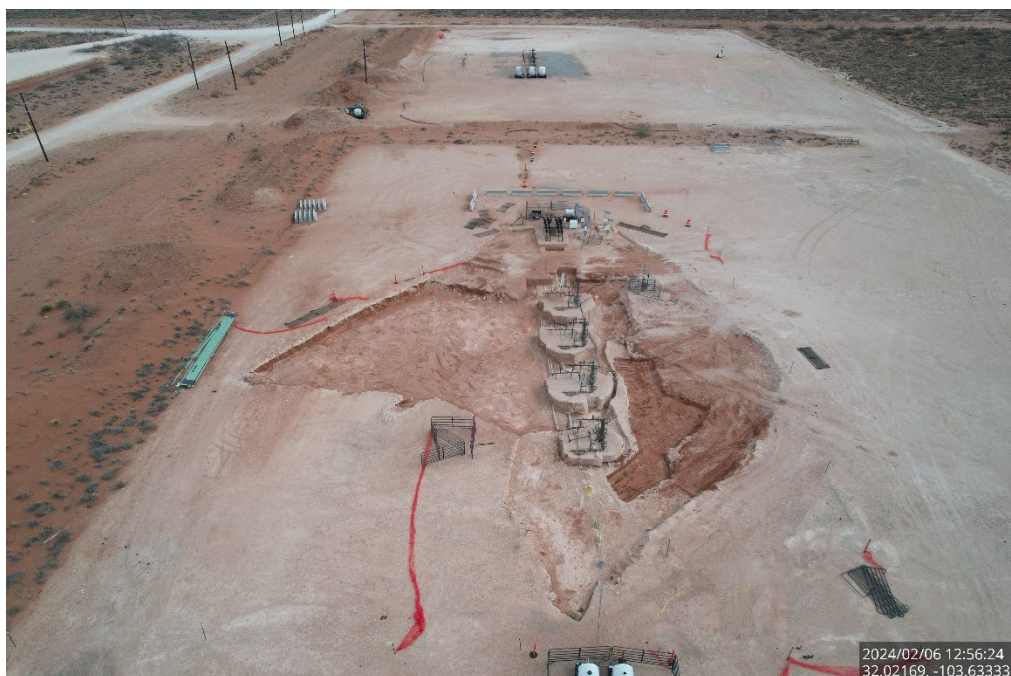
Excavated area on the pad, viewing to the west.



Excavated area on the pad, viewing to the north.



Aerial image of the excavation, viewing to the north.



Aerial image of the excavation, viewing to the east.



Aerial image of the excavation, viewing to the south.



Aerial image of the excavation, viewing to the west.



Aerial image of the excavation, vertical view.



Backfilled excavation on pad, viewing to the north.



Backfilled excavation on pad, viewing to the northeast.



Backfilled excavation on pad, viewing to the northeast.



Backfilled excavation on pad, viewing to the northwest.



Backfilled excavation on pad, viewing to the north.



Backfilled excavation on pad, viewing to the northeast.



Backfilled excavation on pad, viewing to the north.



Backfilled excavation on pad, viewing to the southeast.



Backfilled excavation on pad, viewing to the south.



Backfilled excavation on pad, viewing to the southwest.



Backfilled excavation on pad, viewing to the southwest.



Backfilled excavation on pad, viewing to the south.



Backfilled excavation on pad, viewing to the southeast.



Backfilled excavation on pad, viewing to the east.



Backfilled excavation on pad, viewing to the northeast.



Backfilled excavation on pad, viewing to the northwest.



Backfilled excavation on pad, viewing to the north.



Backfilled excavation on pad, viewing to the east.

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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 349511

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	349511
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nOY1804328649
Incident Name	NOY1804328649 SALADO DRAW WE 24 FEDERAL P23 #002H @ 30-025-43296
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-43296] SD WE 24 FEDERAL P23 #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SALADO DRAW WE 24 FEDERAL P23 #002H
Date Release Discovered	01/26/2018
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure Other (Specify) Crude Oil Released: 9 BBL Recovered: 4 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 14 BBL Recovered: 6 BBL Lost: 8 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)	Not answered.

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QUESTIONS, Page 2

Action 349511

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:
	4323
	Action Number:
	349511
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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/30/2024
--	---

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QUESTIONS, Page 3

Action 349511

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	349511
	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 100 and 500 (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	Between 1 and 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 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
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
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.	
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)	6370
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1820
GRO+DRO	(EPA SW-846 Method 8015M)	1820
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	07/23/2023
On what date will (or did) the final sampling or liner inspection occur	01/26/2024
On what date will (or was) the remediation complete(d)	02/28/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	17223
What is the estimated volume (in cubic yards) that will be remediated	1653

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 349511

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	349511
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(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	MILESTONE WASTE TREATMENT AND INJECTION FACILITY [fDHR1918357813]
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.

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 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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/30/2024
--	---

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 5

Action 349511

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	349511
	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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Well Heads, Flow Lines
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	655
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	97
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-43296 SD WE 24 FEDERAL P23 #002H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
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 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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/30/2024

District I

1625 N. French Dr., Hobbs, NM 88240
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District III

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District IV

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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, Page 6

Action 349511

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:
	4323
	Action Number:
	349511
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	307489
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/26/2024
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	1200

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	17223
What was the total volume (cubic yards) remediated	1653
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	N/A

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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/30/2024
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QUESTIONS, Page 7

Action 349511

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 349511
	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 349511

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 349511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved but deferral is denied as it is not needed. The laboratory analytical results for the requested deferral samples (C-1 through C-5) meet the approved closure criteria for the site. As the samples collected at C-1 through C-5 were collected in the upper 4 feet, the contamination will need to be removed and resampled at time of P&A and must meet the reclamation standards at that time.	5/31/2024
bhall	Please be advised for future reports that if a deferral is being requested for any contamination left on site, the closure request portion of the digital C-141 cannot be completed. Refer to the Public Notice for the Implementation of Digital C-141 and Incident Statutes that can be found at https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ or https://www.emnrd.nm.gov/ocd/ocd-forms/ for more information on how to submit deferral requests vs submitting a closure request.	5/31/2024
bhall	A reclamation report will need to be submitted but not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meets the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	5/31/2024
bhall	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. 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.	5/31/2024