

Incident ID	nOY1804328649
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	<u>>101.5</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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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.

Printed Name: Amy Barnhill Title: Waste and Water Specialist

Signature: _____ Date: _____

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

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Remediation Plan

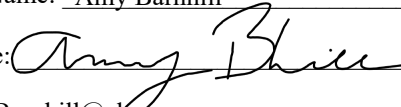
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

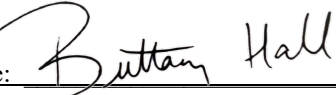
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public 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.

Printed Name: Amy Barnhill Title: Waste and Water Specialist
Signature:  Date: 1-3-2022
email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 10/5/2022

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

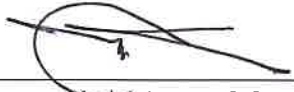
Latitude: N 32.021624°
Longitude: W -103.632825°

LAI Project No. 21-0100-07

December 16, 2021

Prepared for:
Chevron USA Inc.
6301 Deauville Blvd.
Midland, Texas 79706

Prepared by:
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Mark J. Larson, P.G.
Certified Professional Geologist #10490

Robert Nelson
Sr. Geoscientist

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Appendix B	Karst Risk Potential
Appendix C	Soil Boring Log
Appendix D	Laboratory Reports
Appendix E	Photographs

Tracking Number: nOY1804328649
Delineation Report and Remediation Plan
Chevron USA, Inc., Salado Draw WE 24 P23 #002H
Produced Water Release
December 16, 2021

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this delineation report and remediation plan 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) 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.

1.1 Background

The release was discovered on January 26, 2018 and occurred due a leak in a 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 4 bbls of oil and 6 bbls of produced water were recovered. The affected area measures approximately 17,688 square feet. The initial C-141 was submitted to OCD District 1 on February 1, 2018 and assigned incident number nOY1804328649. Appendix A presents the Chevron spill calculation.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,132 feet above mean sea level (msl).
- The surface elevation gradually decreases to the southwest.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as “medium risk” potential.
- The soils are designated as Pyote and Maljamar fine sands, 0 to 3 percent slopes, consisting of 0 to 30 inches of fine sand and underlain by 30 to 60 inches of a fine sandy loam.
- The geology is Quaternary age sand and silt, and locally includes cover sand.
- Groundwater occurs greater than 101.5 feet below ground surface (bgs) based on depth to groundwater measurements 72 hours after installing a temporary monitor well (SB-1) on April 14, 2020.

Appendix B presents USGS data depicting karst risk potential. Appendix C presents the soil boring log.

1.3 Remediation Standards

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

- 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.

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2.0 DELINEATION

On March 24, 2021, LAI personnel used a stainless-steel hand auger to collect soil samples from eight (8) locations inside of the spill area (S-1 through S-8) and in each cardinal direction of the spill (S-10 through S-12). The samples were collected at approximately 0.5 feet bgs. The soil samples were delivered under chain of custody and preservation to Xenco Laboratories (Xenco) in Midland, Texas, which analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), and chloride by EPA SW-846 Methods 8021B and 8015M, and M300, respectively.

Benzene and BTEX were below the NMOCD remediation standards in Table 1 (19.15.29 NMAC) of 10 milligrams per kilogram (mg/Kg) and 50 mg/Kg, respectively. TPH and chloride exceeded the OCD delineation limit of 100 mg/Kg and 600 mg/Kg, respectively, in the following samples:

Sample ID	Depth (Feet)	TPH Concentration (mg/Kg)	Chloride Concentration (mg/Kg)
S-2	0.5	218	1,210
S-3	0.5	--	921
S-4	0.5	--	621
S-7	0.5	134	783
S-8	0.5	--	6,370
S-11	0.5	--	1,080

On August 24 and 25, 2021, LAI personnel used a Geoprobe® 7822DT direct push rig to further delineate TPH and chloride at all sample locations S-1 through S-12 and additional sample locations S-13 through S-15. Soil samples were collected at approximately one (1), three (3), five (5), and ten (10) feet bgs, depending on subsurface conditions. On October 28, 2021, an additional soil sample (S-16) was collected to horizontally delineate the release. The laboratory results demonstrate the release was delineated according to the NMOCD remediation and closure requirements (19.15.29.12 NMAC Table 1) for groundwater greater than 100 feet bgs. Figure 2 presents an aerial map showing the sample locations. Appendix D presents the laboratory reports. Appendix E presents photographs.

3.0 Remediation Plan

Chevron proposes 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.

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Chevron USA, Inc., Salado Draw WE 24 P23 #002H
Produced Water Release
December 16, 2021

- 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.

Figure 3 presents the proposed excavation 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"

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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	
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

Table 1
Soil Sample Analytical Data Summary
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North 32° 01' 17.85", West 103° 37' 58.17"

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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	
	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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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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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 Xenco Laboratories (Xenco) in Midland, Texas for BTEX, TPH, and chloride by EPA SW-846 Method 8021B, 8015M and 300, respectively.

Depth in feet below ground surface (bgs)

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

<: denotes concentration less than analytical method reporting limit

Bold and Highlighted exceeds OCD remediation action limits

Figures

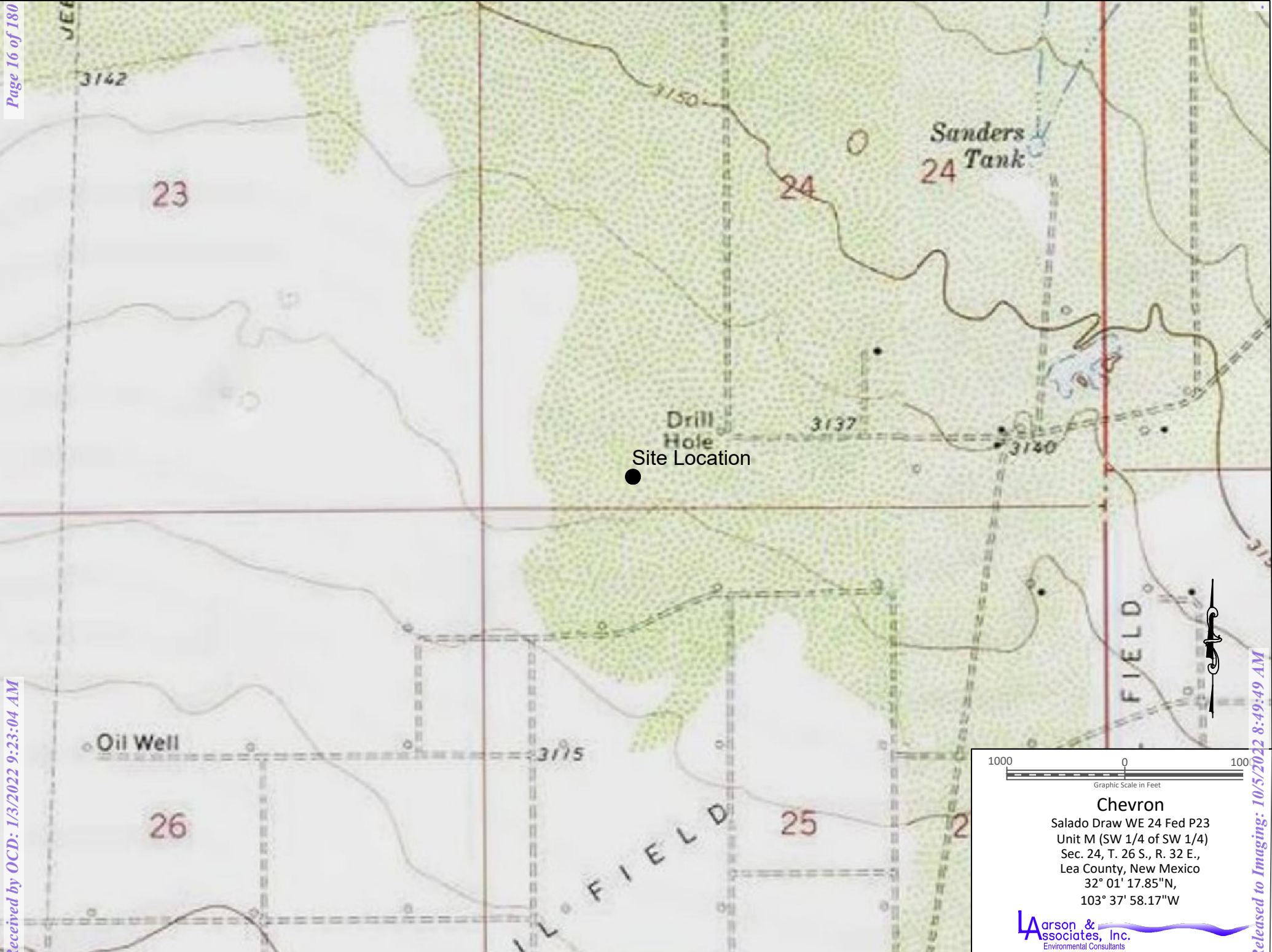


Figure 1 - Topographic Map

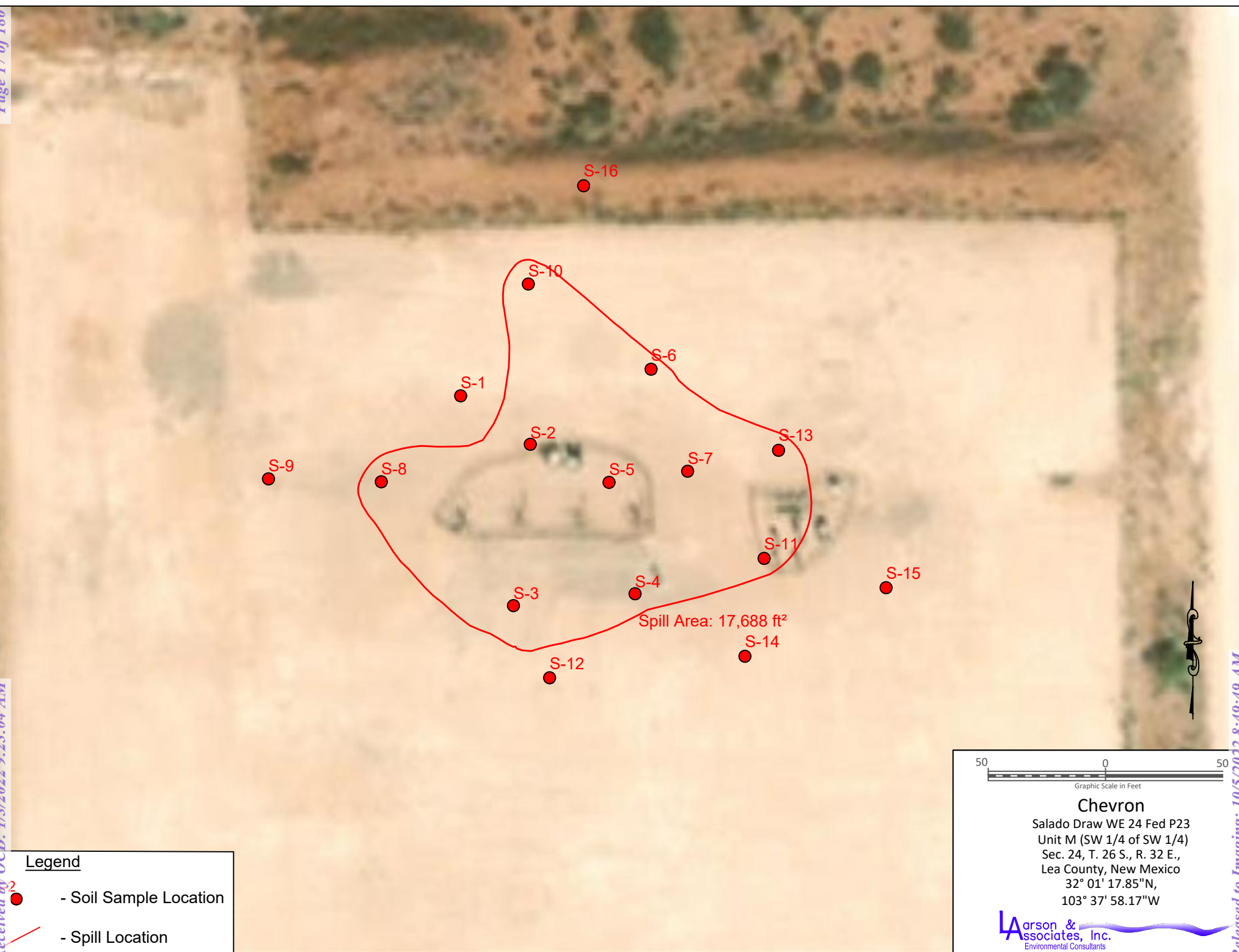
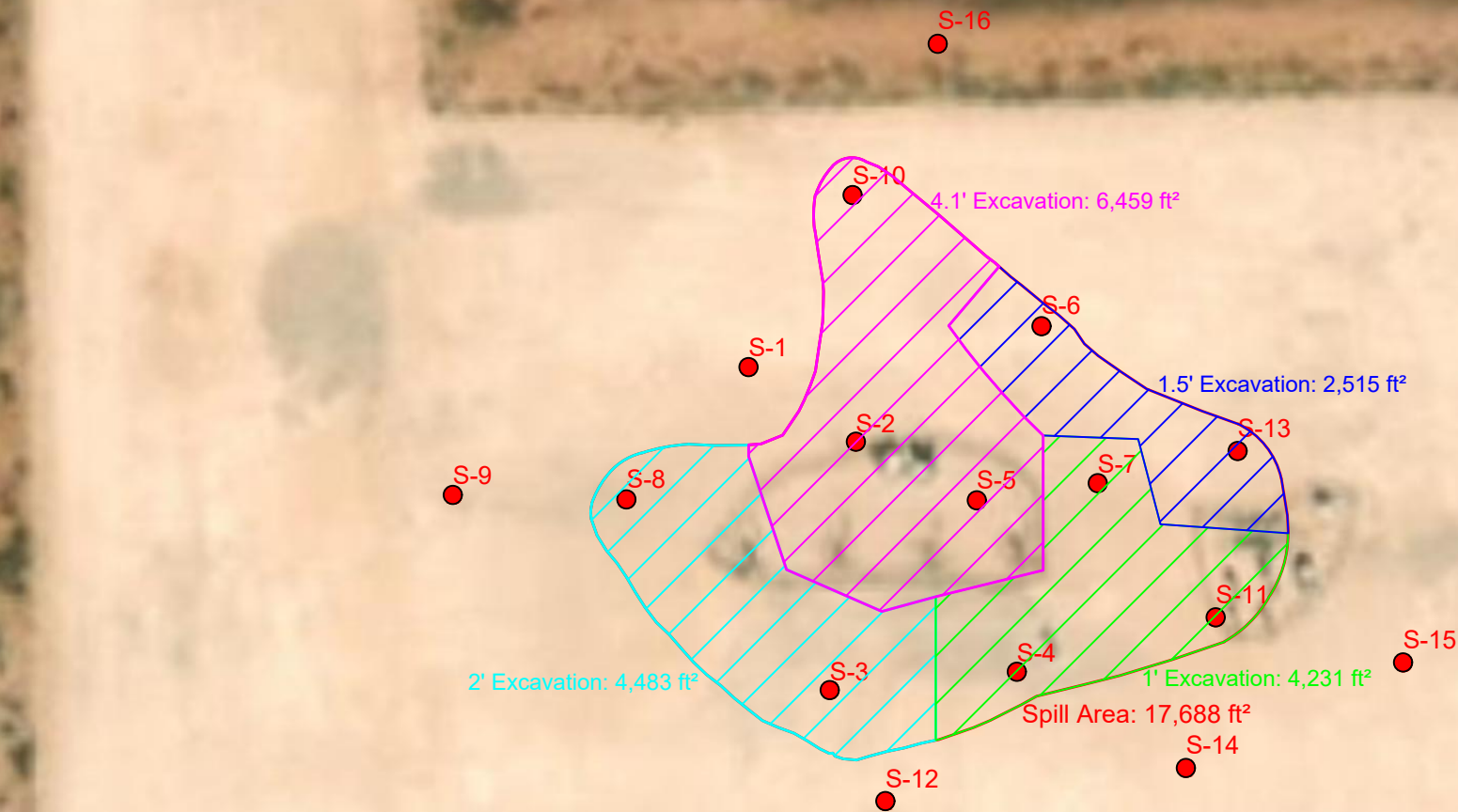
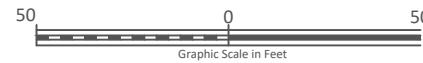


Figure 2 - Aerial Map



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



Figure 3 - Aerial Map Showing Proposed Excavation Locations



Figure 4 - Aerial Map Showing Soil Boring Location

Appendix A
Chevron Spill Calculation

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



Browser

★ Favorites

▶ Spatial Bookmarks

▶ Project Home

▶ Home

▶ C:\

▶ D:\

▶ L:\

▶ Z:\

GeoPackage

SpatiaLite

PostGIS

MSSQL

Oracle

DB2

WMS/WMTS

▶ XYZ Tiles

WCS

WFS / OGC API - Features

OWS

ArcGisMapServer

ArcGisFeatureServer

GeoNode

Layers

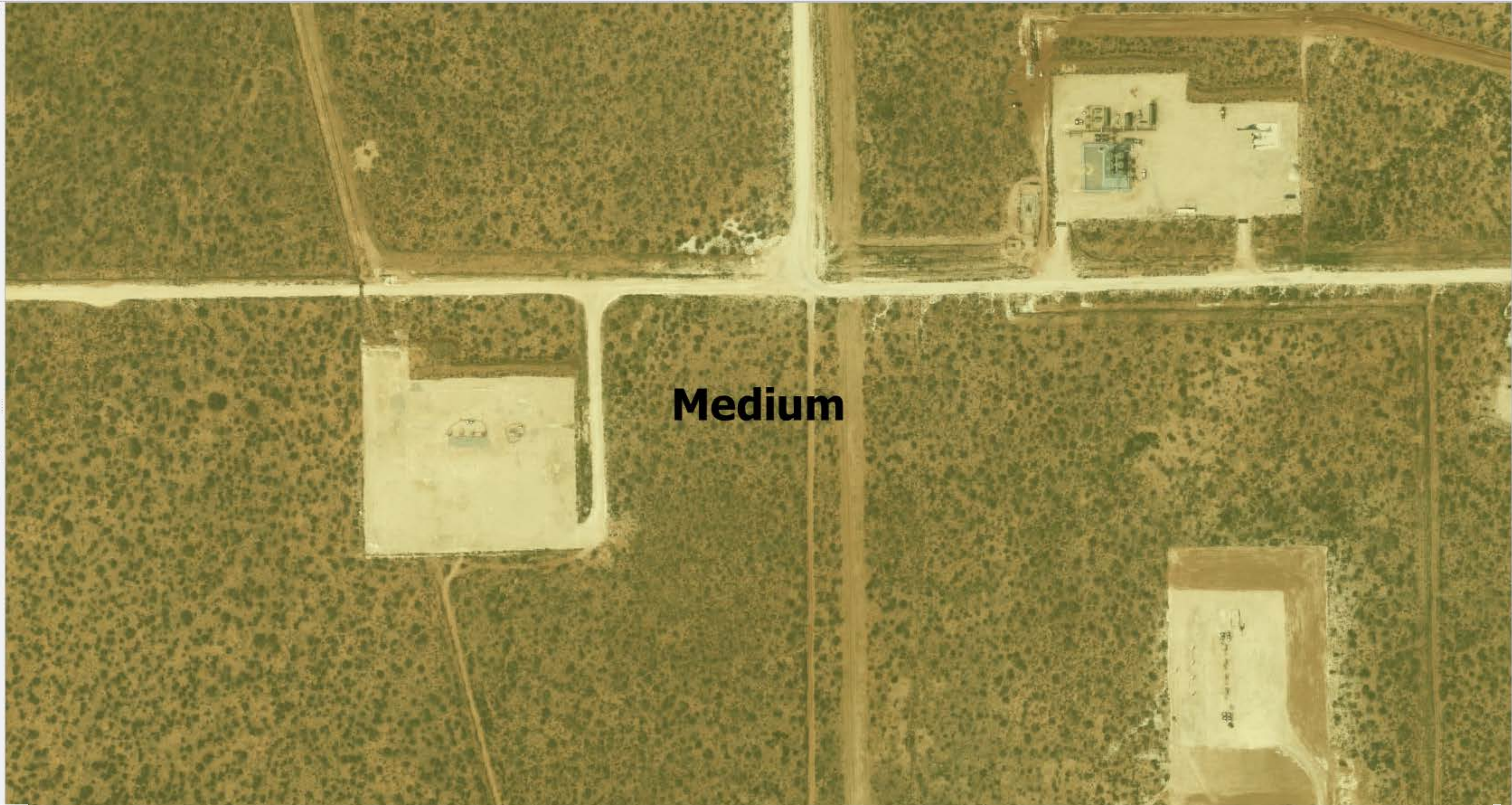
✓ Karst or No Karst

✓ High

✓ Low

✓ Medium

✓ Bing Satellite



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 <u>1</u>										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				
	10	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted, Dry																		
	15		Caliche																	
	20																			
	25															2				
	30	Silty Sand, 5YR 5/4, Reddish Brown, Fine Grained Quartz Sand with Caliche Clasts (~10mm), Poorly Sorted	ML													3				
	35	Caliche, 2.5YR 8/3, Pink, Very Fine Grained, Poorly Sorted with Subangular Clasts (~10mm)	Caliche																	
	40															4				
	45	Silty Sand, 5YR 6/4, Light Reddish Brown, Very Fine Grained Quartz Sand, Poorly Sorted with Subangular Caliche Clasts (~10mm)																		
	50		ML																	
	55																			
	60																			

☐ ONE CONTINUOUS AUGER SAMPLER

☐ STANDARD PENETRATION TEST

☐ UNDISTURBED SAMPLE

☐ WATER TABLE (24 HRS)

WATER TABLE (TIME OF BORING)

LABORATORY TEST LOCATION

PENETROMETER (TONS/ SQ. FT)

NO RECOVERY

JOB NUMBER : Chevron/ 19-0180-01HOLE DIAMETER : 2"LOCATION : Salado Draw 24 CTBLAI GEOLOGIST : E. ChavezDRILLING CONTRACTOR : ScarboroughDRILLING METHOD : Air Rotary

 DRILL DATE :
04-14-2020

 BORING NUMBER :
SB-01

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 10:35 MDT Finish: 15:15 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS					
					PPM X <u>1</u>										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING				
					2	4	6	8	10	12	14	16	18	SOIL : _____ PPM						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																				70		
	75																					75	
	80																					80	
	85																						
	90	Silty Sand, 5YR 4/6, Yellowish Red, Fine Grained, Poorly Sorted with Subangular Caliche (~2mm)	ML																90				
	95																				95		
	100																				100		
	101.5																	6			101.5		
	105	TD:101.5' Dry After 72 Hours																	105				



ONE CONTINUOUS AUGER SAMPLER



WATER TABLE (TIME OF BORING)



STANDARD PENETRATION TEST



LABORATORY TEST LOCATION



UNDISTURBED SAMPLE



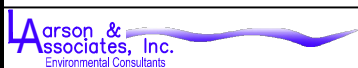
PENETROMETER (TONS/ SQ. FT)



WATER TABLE (24 HRS)



NR NO RECOVERY



DRILL DATE :

04-14-2020

BORING NUMBER :

SB-01

JOB NUMBER : Chevron/ 19-0180-01HOLE DIAMETER : 2"LOCATION : Salado Draw 24 CTBLAI GEOLOGIST : E. ChavezDRILLING CONTRACTOR : ScarboroughDRILLING METHOD : Air Rotary

Appendix D
Laboratory Reports



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-684-1
Client Project/Site: SD24 P23

For:

Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
4/12/2021 5:51:39 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Laboratory Job ID: 880-684-1

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QC Sample Results	15
QC Association Summary	22
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Sample Summary	30
Chain of Custody	31
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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
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.
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

Eurofins Xenco, Midland

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Job ID: 880-684-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-684-1****Receipt**

The samples were received on 3/25/2021 9:09 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 2.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1255 and analytical batch 880-1305 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample(s) was outside control limits: <Me 4-Bromofluorobenzene (Surr) rge>. 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

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: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-1

Lab Sample ID: 880-684-1

Date Collected: 03/24/21 10:33

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:21	1
Toluene	0.00209		0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/02/21 14:26	04/05/21 19:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/02/21 14:26	04/05/21 19:21	1
Total BTEX	0.00209		0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	04/02/21 14:26	04/05/21 19:21	1
1,4-Difluorobenzene (Surr)	112		70 - 130	04/02/21 14:26	04/05/21 19:21	1

Method: 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		04/03/21 10:56	04/04/21 23:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/04/21 23:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/04/21 23:45	1
Total TPH	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/04/21 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/03/21 10:56	04/04/21 23:45	1
o-Terphenyl	90		70 - 130	04/03/21 10:56	04/04/21 23:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		25.2	mg/Kg			04/09/21 15:12	5

Client Sample ID: S-2

Lab Sample ID: 880-684-2

Date Collected: 03/24/21 10:36

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:42	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:42	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/02/21 14:26	04/05/21 19:42	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:42	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/02/21 14:26	04/05/21 19:42	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		04/02/21 14:26	04/05/21 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	04/02/21 14:26	04/05/21 19:42	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/02/21 14:26	04/05/21 19:42	1

Method: 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		04/03/21 10:56	04/05/21 00:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-2

Lab Sample ID: 880-684-2

Date Collected: 03/24/21 10:36

Matrix: Solid

Date Received: 03/25/21 09:09

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	218		49.9	mg/Kg		04/03/21 10:56	04/05/21 00:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/05/21 00:48	1
Total TPH	218	B	49.9	mg/Kg		04/03/21 10:56	04/05/21 00:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130			04/03/21 10:56	04/05/21 00:48	1
o-Terphenyl	114		70 - 130			04/03/21 10:56	04/05/21 00:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		5.02	mg/Kg			04/09/21 15:18	1

Client Sample ID: S-3

Lab Sample ID: 880-684-3

Date Collected: 03/24/21 10:40

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/02/21 14:26	04/05/21 20:02	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/02/21 14:26	04/05/21 20:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/02/21 14:26	04/05/21 20:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/02/21 14:26	04/05/21 20:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/02/21 14:26	04/05/21 20:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/02/21 14:26	04/05/21 20:02	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		04/02/21 14:26	04/05/21 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			04/02/21 14:26	04/05/21 20:02	1
1,4-Difluorobenzene (Surr)	107		70 - 130			04/02/21 14:26	04/05/21 20:02	1

Method: 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		04/03/21 10:56	04/05/21 01:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/05/21 01:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/05/21 01:09	1
Total TPH	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/05/21 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130			04/03/21 10:56	04/05/21 01:09	1
o-Terphenyl	113		70 - 130			04/03/21 10:56	04/05/21 01:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	921		4.98	mg/Kg			04/09/21 15:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-4

Lab Sample ID: 880-684-4

Date Collected: 03/24/21 10:42

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 20:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 20:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 20:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/02/21 14:26	04/05/21 20:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 20:23	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/02/21 14:26	04/05/21 20:23	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	04/02/21 14:26	04/05/21 20:23	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/02/21 14:26	04/05/21 20:23	1

Method: 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		04/03/21 10:56	04/05/21 01:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/03/21 10:56	04/05/21 01:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/03/21 10:56	04/05/21 01:30	1
Total TPH	<50.0	U	50.0	mg/Kg		04/03/21 10:56	04/05/21 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/03/21 10:56	04/05/21 01:30	1
o-Terphenyl	106		70 - 130	04/03/21 10:56	04/05/21 01:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	621		4.95	mg/Kg			04/09/21 15:29	1

Client Sample ID: S-5

Lab Sample ID: 880-684-5

Date Collected: 03/24/21 10:44

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:26	04/05/21 20:43	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:26	04/05/21 20:43	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:26	04/05/21 20:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		04/02/21 14:26	04/05/21 20:43	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:26	04/05/21 20:43	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		04/02/21 14:26	04/05/21 20:43	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		04/02/21 14:26	04/05/21 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	04/02/21 14:26	04/05/21 20:43	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/02/21 14:26	04/05/21 20:43	1

Method: 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		04/03/21 10:56	04/05/21 01:52	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-5

Lab Sample ID: 880-684-5

Date Collected: 03/24/21 10:44

Matrix: Solid

Date Received: 03/25/21 09:09

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/03/21 10:56	04/05/21 01:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/03/21 10:56	04/05/21 01:52	1
Total TPH	<50.0	U	50.0	mg/Kg		04/03/21 10:56	04/05/21 01:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			04/03/21 10:56	04/05/21 01:52	1
o-Terphenyl	110		70 - 130			04/03/21 10:56	04/05/21 01:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	366		5.05	mg/Kg			04/09/21 15:45	1

Client Sample ID: S-6

Lab Sample ID: 880-684-6

Date Collected: 03/24/21 10:46

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 14:49	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 14:49	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 14:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		04/02/21 14:30	04/05/21 14:49	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 14:49	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		04/02/21 14:30	04/05/21 14:49	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 14:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			04/02/21 14:30	04/05/21 14:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130			04/02/21 14:30	04/05/21 14:49	1

Method: 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		04/03/21 10:56	04/05/21 02:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/05/21 02:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/05/21 02:13	1
Total TPH	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/05/21 02:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			04/03/21 10:56	04/05/21 02:13	1
o-Terphenyl	113		70 - 130			04/03/21 10:56	04/05/21 02:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		4.98	mg/Kg			04/09/21 15:51	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-7

Lab Sample ID: 880-684-7

Date Collected: 03/24/21 10:58

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 15:09	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 15:09	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 15:09	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		04/02/21 14:30	04/05/21 15:09	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 15:09	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		04/02/21 14:30	04/05/21 15:09	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/02/21 14:30	04/05/21 15:09	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/02/21 14:30	04/05/21 15:09	1

Method: 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		04/03/21 10:56	04/05/21 02:34	1
Diesel Range Organics (Over C10-C28)	134		49.9	mg/Kg		04/03/21 10:56	04/05/21 02:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/03/21 10:56	04/05/21 02:34	1
Total TPH	134	B	49.9	mg/Kg		04/03/21 10:56	04/05/21 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	04/03/21 10:56	04/05/21 02:34	1
o-Terphenyl	108		70 - 130	04/03/21 10:56	04/05/21 02:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	783		4.97	mg/Kg			04/09/21 15:56	1

Client Sample ID: S-8

Lab Sample ID: 880-684-8

Date Collected: 03/24/21 10:50

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/02/21 14:30	04/05/21 15:30	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:30	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/02/21 14:30	04/05/21 15:30	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/02/21 14:30	04/05/21 15:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/02/21 14:30	04/05/21 15:30	1

Method: 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		04/03/21 09:58	04/04/21 19:49	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-8

Lab Sample ID: 880-684-8

Date Collected: 03/24/21 10:50

Matrix: Solid

Date Received: 03/25/21 09:09

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/03/21 09:58	04/04/21 19:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/03/21 09:58	04/04/21 19:49	1
Total TPH	<49.9	U	49.9	mg/Kg		04/03/21 09:58	04/04/21 19:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			04/03/21 09:58	04/04/21 19:49	1
o-Terphenyl	104		70 - 130			04/03/21 09:58	04/04/21 19:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6370		49.5	mg/Kg			04/09/21 16:02	10

Client Sample ID: S-9

Lab Sample ID: 880-684-9

Date Collected: 03/24/21 10:53

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:50	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:50	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/02/21 14:30	04/05/21 15:50	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:50	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/02/21 14:30	04/05/21 15:50	1
Total BTEX	<0.00199	U	0.00199	mg/Kg		04/02/21 14:30	04/05/21 15:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			04/02/21 14:30	04/05/21 15:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130			04/02/21 14:30	04/05/21 15:50	1

Method: 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		04/03/21 09:58	04/04/21 20:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		04/03/21 09:58	04/04/21 20:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		04/03/21 09:58	04/04/21 20:11	1
Total TPH	<49.7	U	49.7	mg/Kg		04/03/21 09:58	04/04/21 20:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			04/03/21 09:58	04/04/21 20:11	1
o-Terphenyl	106		70 - 130			04/03/21 09:58	04/04/21 20:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		5.00	mg/Kg			04/09/21 16:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-10

Lab Sample ID: 880-684-10

Date Collected: 03/24/21 10:56

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 16:10	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 16:10	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 16:10	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		04/02/21 14:30	04/05/21 16:10	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 16:10	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		04/02/21 14:30	04/05/21 16:10	1
Total BTEX	<0.00198	U	0.00198	mg/Kg		04/02/21 14:30	04/05/21 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	04/02/21 14:30	04/05/21 16:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/02/21 14:30	04/05/21 16:10	1

Method: 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		04/03/21 09:58	04/04/21 20:32	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		04/03/21 09:58	04/04/21 20:32	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		04/03/21 09:58	04/04/21 20:32	1
Total TPH	<50.2	U	50.2	mg/Kg		04/03/21 09:58	04/04/21 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	04/03/21 09:58	04/04/21 20:32	1
o-Terphenyl	104		70 - 130	04/03/21 09:58	04/04/21 20:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334	F1	24.8	mg/Kg			04/09/21 16:13	5

Client Sample ID: S-11

Lab Sample ID: 880-684-11

Date Collected: 03/24/21 10:58

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 16:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 16:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 16:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		04/02/21 14:30	04/05/21 16:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 16:31	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		04/02/21 14:30	04/05/21 16:31	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/02/21 14:30	04/05/21 16:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/02/21 14:30	04/05/21 16:31	1

Method: 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		04/03/21 09:58	04/04/21 20:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-11

Lab Sample ID: 880-684-11

Date Collected: 03/24/21 10:58

Matrix: Solid

Date Received: 03/25/21 09:09

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		04/03/21 09:58	04/04/21 20:54	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		04/03/21 09:58	04/04/21 20:54	1
Total TPH	<50.1	U	50.1	mg/Kg		04/03/21 09:58	04/04/21 20:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			04/03/21 09:58	04/04/21 20:54	1
o-Terphenyl	101		70 - 130			04/03/21 09:58	04/04/21 20:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		50.4	mg/Kg			04/09/21 16:29	10

Client Sample ID: S-12

Lab Sample ID: 880-684-12

Date Collected: 03/24/21 11:00

Matrix: Solid

Date Received: 03/25/21 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/02/21 14:30	04/05/21 16:51	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/02/21 14:30	04/05/21 16:51	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/02/21 14:30	04/05/21 16:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/02/21 14:30	04/05/21 16:51	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/02/21 14:30	04/05/21 16:51	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/02/21 14:30	04/05/21 16:51	1
Total BTEX	<0.00201	U	0.00201	mg/Kg		04/02/21 14:30	04/05/21 16:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			04/02/21 14:30	04/05/21 16:51	1
1,4-Difluorobenzene (Surr)	102		70 - 130			04/02/21 14:30	04/05/21 16:51	1

Method: 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		04/03/21 09:58	04/04/21 21:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/03/21 09:58	04/04/21 21:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/03/21 09:58	04/04/21 21:15	1
Total TPH	<50.0	U	50.0	mg/Kg		04/03/21 09:58	04/04/21 21:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			04/03/21 09:58	04/04/21 21:15	1
o-Terphenyl	94		70 - 130			04/03/21 09:58	04/04/21 21:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		5.03	mg/Kg			04/09/21 16:35	1

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-684-1	S-1	120	112
880-684-2	S-2	134 S1+	109
880-684-3	S-3	127	107
880-684-4	S-4	123	107
880-684-5	S-5	126	107
880-684-6	S-6	111	101
880-684-6 MS	S-6	103	101
880-684-6 MSD	S-6	107	101
880-684-7	S-7	114	102
880-684-8	S-8	116	103
880-684-9	S-9	124	100
880-684-10	S-10	117	101
880-684-11	S-11	116	98
880-684-12	S-12	114	102
890-461-A-1-A MS	Matrix Spike	125	109
890-461-A-1-B MSD	Matrix Spike Duplicate	120	110
LCS 880-1255/1-A	Lab Control Sample	98	100
LCS 880-1256/1-A	Lab Control Sample	102	101
LCSD 880-1255/2-A	Lab Control Sample Dup	101	100
LCSD 880-1256/2-A	Lab Control Sample Dup	103	101
MB 880-1255/5-A	Method Blank	99	98
MB 880-1256/5-A	Method Blank	105	97
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-684-1	S-1	97	90
880-684-1 MS	S-1	110	96
880-684-1 MSD	S-1	109	94
880-684-2	S-2	116	114
880-684-3	S-3	117	113
880-684-4	S-4	106	106
880-684-5	S-5	109	110
880-684-6	S-6	115	113
880-684-7	S-7	116	108
880-684-8	S-8	104	104
880-684-9	S-9	114	106
880-684-10	S-10	112	104
880-684-11	S-11	110	101
880-684-12	S-12	97	94
890-407-A-1-E MS	Matrix Spike	113	107
890-407-A-1-F MSD	Matrix Spike Duplicate	117	113
LCS 880-1266/2-A	Lab Control Sample	130	124

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-684-1

Project/Site: SD24 P23

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	OTPH1
		(70-130)	(70-130)
LCS 880-1274/2-A	Lab Control Sample	119	116
LCSD 880-1266/3-A	Lab Control Sample Dup	130	121
LCSD 880-1274/3-A	Lab Control Sample Dup	127	119
MB 880-1266/1-A	Method Blank	99	101
MB 880-1274/1-A	Method Blank	103	102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1255/5-A

Matrix: Solid

Analysis Batch: 1305

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1255

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 12:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 12:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 12:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/02/21 14:26	04/05/21 12:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 12:52	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/02/21 14:26	04/05/21 12:52	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		04/02/21 14:26	04/05/21 12:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/02/21 14:26	04/05/21 12:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/02/21 14:26	04/05/21 12:52	1

Lab Sample ID: LCS 880-1255/1-A

Matrix: Solid

Analysis Batch: 1305

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07905		mg/Kg		79	70 - 130
Toluene	0.100	0.07810		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.08160		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1568		mg/Kg		78	70 - 130
o-Xylene	0.100	0.07972		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-1255/2-A

Matrix: Solid

Analysis Batch: 1305

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1255

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07293		mg/Kg		73	70 - 130	8	35
Toluene	0.100	0.07193		mg/Kg		72	70 - 130	8	35
Ethylbenzene	0.100	0.07779		mg/Kg		78	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1513		mg/Kg		76	70 - 130	4	35
o-Xylene	0.100	0.07713		mg/Kg		77	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-461-A-1-A MS

Matrix: Solid

Analysis Batch: 1305

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.100	0.1429	F1	mg/Kg		142	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

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

Lab Sample ID: 890-461-A-1-A MS

Matrix: Solid

Analysis Batch: 1305

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00199	U	0.100	0.1295		mg/Kg		129	70 - 130
Ethylbenzene	<0.00199	U F1	0.100	0.1311	F1	mg/Kg		131	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.2657	F1	mg/Kg		132	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.1465	F1	mg/Kg		146	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	125		70 - 130						
1,4-Difluorobenzene (Surr)	109		70 - 130						

Lab Sample ID: 890-461-A-1-B MSD

Matrix: Solid

Analysis Batch: 1305

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0990	0.1342	F1	mg/Kg		136	70 - 130	6	35
Toluene	<0.00199	U	0.0990	0.1207		mg/Kg		122	70 - 130	7	35
Ethylbenzene	<0.00199	U F1	0.0990	0.1183		mg/Kg		120	70 - 130	10	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.2359		mg/Kg		119	70 - 130	12	35
o-Xylene	<0.00199	U F1	0.0990	0.1299	F1	mg/Kg		131	70 - 130	12	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	120		70 - 130								
1,4-Difluorobenzene (Surr)	110		70 - 130								

Lab Sample ID: MB 880-1256/5-A

Matrix: Solid

Analysis Batch: 1306

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1256

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 14:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 14:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 14:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/02/21 14:30	04/05/21 14:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 14:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/02/21 14:30	04/05/21 14:20	1
Total BTEX	<0.00200	U	0.00200	mg/Kg		04/02/21 14:30	04/05/21 14:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			04/02/21 14:30	04/05/21 14:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130			04/02/21 14:30	04/05/21 14:20	1

Lab Sample ID: LCS 880-1256/1-A

Matrix: Solid

Analysis Batch: 1306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1027		mg/Kg		103	70 - 130
Toluene	0.100	0.1041		mg/Kg		104	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

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

Lab Sample ID: LCS 880-1256/1-A

Matrix: Solid

Analysis Batch: 1306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.1121		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2265		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1107		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-1256/2-A

Matrix: Solid

Analysis Batch: 1306

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1256

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09930		mg/Kg		99	70 - 130	3	35
Toluene	0.100	0.1040		mg/Kg		104	70 - 130	0	35
Ethylbenzene	0.100	0.1115		mg/Kg		111	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2270		mg/Kg		114	70 - 130	0	35
o-Xylene	0.100	0.1112		mg/Kg		111	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-684-6 MS

Matrix: Solid

Analysis Batch: 1306

Client Sample ID: S-6

Prep Type: Total/NA

Prep Batch: 1256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0998	0.1093		mg/Kg		110	70 - 130
Toluene	<0.00198	U	0.0998	0.1127		mg/Kg		113	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.1150		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2338		mg/Kg		117	70 - 130
o-Xylene	<0.00198	U	0.0998	0.1114		mg/Kg		112	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-684-6 MSD

Matrix: Solid

Analysis Batch: 1306

Client Sample ID: S-6

Prep Type: Total/NA

Prep Batch: 1256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00198	U	0.0994	0.1133		mg/Kg		114	70 - 130	4	35
Toluene	<0.00198	U	0.0994	0.1119		mg/Kg		113	70 - 130	1	35
Ethylbenzene	<0.00198	U	0.0994	0.1155		mg/Kg		116	70 - 130	0	35
m-Xylene & p-Xylene	<0.00396	U	0.199	0.2332		mg/Kg		117	70 - 130	0	35
o-Xylene	<0.00198	U	0.0994	0.1131		mg/Kg		114	70 - 130	2	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-1266/1-A

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1266

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		04/03/21 09:58	04/04/21 13:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/03/21 09:58	04/04/21 13:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/03/21 09:58	04/04/21 13:01	1
Total TPH	<50.0	U	50.0	mg/Kg		04/03/21 09:58	04/04/21 13:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	04/03/21 09:58	04/04/21 13:01	1
o-Terphenyl	101		70 - 130	04/03/21 09:58	04/04/21 13:01	1

Lab Sample ID: LCS 880-1266/2-A

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1335	*+	mg/Kg		133	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1066		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: LCSD 880-1266/3-A

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1266

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1333	*+	mg/Kg		133	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1058		mg/Kg		106	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	121		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

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

Lab Sample ID: 890-407-A-1-E MS

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 1266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	1000	1066		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1004		mg/Kg		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	107		70 - 130						

Lab Sample ID: 890-407-A-1-F MSD

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	998	1129		mg/Kg		113	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1079		mg/Kg		108	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	113		70 - 130								

Lab Sample ID: MB 880-1274/1-A

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1274

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		04/03/21 10:56	04/04/21 22:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/03/21 10:56	04/04/21 22:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/03/21 10:56	04/04/21 22:41	1
Total TPH	<50.0	U	50.0	mg/Kg		04/03/21 10:56	04/04/21 22:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			04/03/21 10:56	04/04/21 22:41	1
o-Terphenyl	102		70 - 130			04/03/21 10:56	04/04/21 22:41	1

Lab Sample ID: LCS 880-1274/2-A

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1274

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1071		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	993.1		mg/Kg		99	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

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

Lab Sample ID: LCS 880-1274/2-A

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1274

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-1274/3-A

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1274

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1155		mg/Kg		116	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1044		mg/Kg		104	70 - 130	5	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 880-684-1 MS

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 1274

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1082		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1030		mg/Kg		103	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-684-1 MSD

Matrix: Solid

Analysis Batch: 1289

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 1274

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1050		mg/Kg		105	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1013		mg/Kg		101	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	94		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1177/1-A

Matrix: Solid

Analysis Batch: 1598

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			04/09/21 14:39	1

Lab Sample ID: LCS 880-1177/2-A

Matrix: Solid

Analysis Batch: 1598

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	256.2		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-1177/3-A

Matrix: Solid

Analysis Batch: 1598

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	256.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-684-10 MS

Matrix: Solid

Analysis Batch: 1598

Client Sample ID: S-10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	334	F1	248	1717	F1	mg/Kg		558	90 - 110

Lab Sample ID: 880-684-10 MSD

Matrix: Solid

Analysis Batch: 1598

Client Sample ID: S-10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	334	F1	248	1671	F1	mg/Kg		539	90 - 110	3	20

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

GC VOA

Prep Batch: 1255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-1	S-1	Total/NA	Solid	5035	
880-684-2	S-2	Total/NA	Solid	5035	
880-684-3	S-3	Total/NA	Solid	5035	
880-684-4	S-4	Total/NA	Solid	5035	
880-684-5	S-5	Total/NA	Solid	5035	
MB 880-1255/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1255/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1255/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-461-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-461-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 1256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-6	S-6	Total/NA	Solid	5035	
880-684-7	S-7	Total/NA	Solid	5035	
880-684-8	S-8	Total/NA	Solid	5035	
880-684-9	S-9	Total/NA	Solid	5035	
880-684-10	S-10	Total/NA	Solid	5035	
880-684-11	S-11	Total/NA	Solid	5035	
880-684-12	S-12	Total/NA	Solid	5035	
MB 880-1256/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1256/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1256/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-684-6 MS	S-6	Total/NA	Solid	5035	
880-684-6 MSD	S-6	Total/NA	Solid	5035	

Analysis Batch: 1305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-1	S-1	Total/NA	Solid	8021B	1255
880-684-2	S-2	Total/NA	Solid	8021B	1255
880-684-3	S-3	Total/NA	Solid	8021B	1255
880-684-4	S-4	Total/NA	Solid	8021B	1255
880-684-5	S-5	Total/NA	Solid	8021B	1255
MB 880-1255/5-A	Method Blank	Total/NA	Solid	8021B	1255
LCS 880-1255/1-A	Lab Control Sample	Total/NA	Solid	8021B	1255
LCSD 880-1255/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1255
890-461-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	1255
890-461-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	1255

Analysis Batch: 1306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-6	S-6	Total/NA	Solid	8021B	1256
880-684-7	S-7	Total/NA	Solid	8021B	1256
880-684-8	S-8	Total/NA	Solid	8021B	1256
880-684-9	S-9	Total/NA	Solid	8021B	1256
880-684-10	S-10	Total/NA	Solid	8021B	1256
880-684-11	S-11	Total/NA	Solid	8021B	1256
880-684-12	S-12	Total/NA	Solid	8021B	1256
MB 880-1256/5-A	Method Blank	Total/NA	Solid	8021B	1256
LCS 880-1256/1-A	Lab Control Sample	Total/NA	Solid	8021B	1256
LCSD 880-1256/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1256

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

GC VOA (Continued)

Analysis Batch: 1306 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-6 MS	S-6	Total/NA	Solid	8021B	1256
880-684-6 MSD	S-6	Total/NA	Solid	8021B	1256

GC Semi VOA

Prep Batch: 1266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-8	S-8	Total/NA	Solid	8015NM Prep	
880-684-9	S-9	Total/NA	Solid	8015NM Prep	
880-684-10	S-10	Total/NA	Solid	8015NM Prep	
880-684-11	S-11	Total/NA	Solid	8015NM Prep	
880-684-12	S-12	Total/NA	Solid	8015NM Prep	
MB 880-1266/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1266/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1266/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-407-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-407-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 1274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-1	S-1	Total/NA	Solid	8015NM Prep	
880-684-2	S-2	Total/NA	Solid	8015NM Prep	
880-684-3	S-3	Total/NA	Solid	8015NM Prep	
880-684-4	S-4	Total/NA	Solid	8015NM Prep	
880-684-5	S-5	Total/NA	Solid	8015NM Prep	
880-684-6	S-6	Total/NA	Solid	8015NM Prep	
880-684-7	S-7	Total/NA	Solid	8015NM Prep	
MB 880-1274/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1274/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1274/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-684-1 MS	S-1	Total/NA	Solid	8015NM Prep	
880-684-1 MSD	S-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-1	S-1	Total/NA	Solid	8015B NM	1274
880-684-2	S-2	Total/NA	Solid	8015B NM	1274
880-684-3	S-3	Total/NA	Solid	8015B NM	1274
880-684-4	S-4	Total/NA	Solid	8015B NM	1274
880-684-5	S-5	Total/NA	Solid	8015B NM	1274
880-684-6	S-6	Total/NA	Solid	8015B NM	1274
880-684-7	S-7	Total/NA	Solid	8015B NM	1274
880-684-8	S-8	Total/NA	Solid	8015B NM	1266
880-684-9	S-9	Total/NA	Solid	8015B NM	1266
880-684-10	S-10	Total/NA	Solid	8015B NM	1266
880-684-11	S-11	Total/NA	Solid	8015B NM	1266
880-684-12	S-12	Total/NA	Solid	8015B NM	1266
MB 880-1266/1-A	Method Blank	Total/NA	Solid	8015B NM	1266
MB 880-1274/1-A	Method Blank	Total/NA	Solid	8015B NM	1274
LCS 880-1266/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1266
LCS 880-1274/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1274

Eurofins Xenco, Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

GC Semi VOA (Continued)

Analysis Batch: 1289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-1266/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1266
LCSD 880-1274/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1274
880-684-1 MS	S-1	Total/NA	Solid	8015B NM	1274
880-684-1 MSD	S-1	Total/NA	Solid	8015B NM	1274
890-407-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	1266
890-407-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	1266

HPLC/IC

Leach Batch: 1177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-1	S-1	Soluble	Solid	DI Leach	
880-684-2	S-2	Soluble	Solid	DI Leach	
880-684-3	S-3	Soluble	Solid	DI Leach	
880-684-4	S-4	Soluble	Solid	DI Leach	
880-684-5	S-5	Soluble	Solid	DI Leach	
880-684-6	S-6	Soluble	Solid	DI Leach	
880-684-7	S-7	Soluble	Solid	DI Leach	
880-684-8	S-8	Soluble	Solid	DI Leach	
880-684-9	S-9	Soluble	Solid	DI Leach	
880-684-10	S-10	Soluble	Solid	DI Leach	
880-684-11	S-11	Soluble	Solid	DI Leach	
880-684-12	S-12	Soluble	Solid	DI Leach	
MB 880-1177/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1177/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1177/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-684-10 MS	S-10	Soluble	Solid	DI Leach	
880-684-10 MSD	S-10	Soluble	Solid	DI Leach	

Analysis Batch: 1598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-684-1	S-1	Soluble	Solid	300.0	1177
880-684-2	S-2	Soluble	Solid	300.0	1177
880-684-3	S-3	Soluble	Solid	300.0	1177
880-684-4	S-4	Soluble	Solid	300.0	1177
880-684-5	S-5	Soluble	Solid	300.0	1177
880-684-6	S-6	Soluble	Solid	300.0	1177
880-684-7	S-7	Soluble	Solid	300.0	1177
880-684-8	S-8	Soluble	Solid	300.0	1177
880-684-9	S-9	Soluble	Solid	300.0	1177
880-684-10	S-10	Soluble	Solid	300.0	1177
880-684-11	S-11	Soluble	Solid	300.0	1177
880-684-12	S-12	Soluble	Solid	300.0	1177
MB 880-1177/1-A	Method Blank	Soluble	Solid	300.0	1177
LCS 880-1177/2-A	Lab Control Sample	Soluble	Solid	300.0	1177
LCSD 880-1177/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1177
880-684-10 MS	S-10	Soluble	Solid	300.0	1177
880-684-10 MSD	S-10	Soluble	Solid	300.0	1177

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-1

Lab Sample ID: 880-684-1

Date Collected: 03/24/21 10:33

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1255	04/02/21 14:26	KL	XM
Total/NA	Analysis	8021B		1	1305	04/05/21 19:21	MR	XM
Total/NA	Prep	8015NM Prep			1274	04/03/21 10:56	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/04/21 23:45	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		5	1598	04/09/21 15:12	CH	XM

Client Sample ID: S-2

Lab Sample ID: 880-684-2

Date Collected: 03/24/21 10:36

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1255	04/02/21 14:26	KL	XM
Total/NA	Analysis	8021B		1	1305	04/05/21 19:42	MR	XM
Total/NA	Prep	8015NM Prep			1274	04/03/21 10:56	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/05/21 00:48	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		1	1598	04/09/21 15:18	CH	XM

Client Sample ID: S-3

Lab Sample ID: 880-684-3

Date Collected: 03/24/21 10:40

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1255	04/02/21 14:26	KL	XM
Total/NA	Analysis	8021B		1	1305	04/05/21 20:02	MR	XM
Total/NA	Prep	8015NM Prep			1274	04/03/21 10:56	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/05/21 01:09	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		1	1598	04/09/21 15:23	CH	XM

Client Sample ID: S-4

Lab Sample ID: 880-684-4

Date Collected: 03/24/21 10:42

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1255	04/02/21 14:26	KL	XM
Total/NA	Analysis	8021B		1	1305	04/05/21 20:23	MR	XM
Total/NA	Prep	8015NM Prep			1274	04/03/21 10:56	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/05/21 01:30	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		1	1598	04/09/21 15:29	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-5

Lab Sample ID: 880-684-5

Date Collected: 03/24/21 10:44

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1255	04/02/21 14:26	KL	XM
Total/NA	Analysis	8021B		1	1305	04/05/21 20:43	MR	XM
Total/NA	Prep	8015NM Prep			1274	04/03/21 10:56	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/05/21 01:52	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		1	1598	04/09/21 15:45	CH	XM

Client Sample ID: S-6

Lab Sample ID: 880-684-6

Date Collected: 03/24/21 10:46

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1256	04/02/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1306	04/05/21 14:49	AJ	XM
Total/NA	Prep	8015NM Prep			1274	04/03/21 10:56	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/05/21 02:13	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		1	1598	04/09/21 15:51	CH	XM

Client Sample ID: S-7

Lab Sample ID: 880-684-7

Date Collected: 03/24/21 10:58

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1256	04/02/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1306	04/05/21 15:09	AJ	XM
Total/NA	Prep	8015NM Prep			1274	04/03/21 10:56	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/05/21 02:34	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		1	1598	04/09/21 15:56	CH	XM

Client Sample ID: S-8

Lab Sample ID: 880-684-8

Date Collected: 03/24/21 10:50

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1256	04/02/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1306	04/05/21 15:30	AJ	XM
Total/NA	Prep	8015NM Prep			1266	04/03/21 09:58	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/04/21 19:49	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		10	1598	04/09/21 16:02	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Client Sample ID: S-9

Lab Sample ID: 880-684-9

Date Collected: 03/24/21 10:53

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1256	04/02/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1306	04/05/21 15:50	AJ	XM
Total/NA	Prep	8015NM Prep			1266	04/03/21 09:58	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/04/21 20:11	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		1	1598	04/09/21 16:07	CH	XM

Client Sample ID: S-10

Lab Sample ID: 880-684-10

Date Collected: 03/24/21 10:56

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1256	04/02/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1306	04/05/21 16:10	AJ	XM
Total/NA	Prep	8015NM Prep			1266	04/03/21 09:58	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/04/21 20:32	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		5	1598	04/09/21 16:13	CH	XM

Client Sample ID: S-11

Lab Sample ID: 880-684-11

Date Collected: 03/24/21 10:58

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1256	04/02/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1306	04/05/21 16:31	AJ	XM
Total/NA	Prep	8015NM Prep			1266	04/03/21 09:58	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/04/21 20:54	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		10	1598	04/09/21 16:29	CH	XM

Client Sample ID: S-12

Lab Sample ID: 880-684-12

Date Collected: 03/24/21 11:00

Matrix: Solid

Date Received: 03/25/21 09:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1256	04/02/21 14:30	KL	XM
Total/NA	Analysis	8021B		1	1306	04/05/21 16:51	AJ	XM
Total/NA	Prep	8015NM Prep			1266	04/03/21 09:58	DM	XM
Total/NA	Analysis	8015B NM		1	1289	04/04/21 21:15	AJ	XM
Soluble	Leach	DI Leach			1177	04/01/21 12:13	CH	XM
Soluble	Analysis	300.0		1	1598	04/09/21 16:35	CH	XM

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21
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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: SD24 P23

Job ID: 880-684-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-684-1	S-1	Solid	03/24/21 10:33	03/25/21 09:09	
880-684-2	S-2	Solid	03/24/21 10:36	03/25/21 09:09	
880-684-3	S-3	Solid	03/24/21 10:40	03/25/21 09:09	
880-684-4	S-4	Solid	03/24/21 10:42	03/25/21 09:09	
880-684-5	S-5	Solid	03/24/21 10:44	03/25/21 09:09	
880-684-6	S-6	Solid	03/24/21 10:46	03/25/21 09:09	
880-684-7	S-7	Solid	03/24/21 10:58	03/25/21 09:09	
880-684-8	S-8	Solid	03/24/21 10:50	03/25/21 09:09	
880-684-9	S-9	Solid	03/24/21 10:53	03/25/21 09:09	
880-684-10	S-10	Solid	03/24/21 10:56	03/25/21 09:09	
880-684-11	S-11	Solid	03/24/21 10:58	03/25/21 09:09	
880-684-12	S-12	Solid	03/24/21 11:00	03/25/21 09:09	

Eurofins Xenco, Midland

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-684-1

Login Number: 684

List Source: Eurofins Midland

List Number: 1

Creator: Teel, Brianna

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 America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-5485-1
Laboratory Sample Delivery Group: 21-0100-07
Client Project/Site: Salado Draw WE 24

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
8/31/2021 1:53:04 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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

Laboratory Job ID: 880-5485-1
SDG: 21-0100-07

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Definitions/Glossary

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

Job ID: 880-5485-1
SDG: 21-0100-07

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.
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 WE 24

Job ID: 880-5485-1
SDG: 21-0100-07

Job ID: 880-5485-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-5485-1****Receipt**

The samples were received on 8/26/2021 9:03 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 3.9°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-5485-A-1-B MS) and (880-5485-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7126 and analytical batch 880-7136 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7128 and analytical batch 880-7156 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7130 and analytical batch 880-7156 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-12 10' (880-5485-60) and (CCV 880-7156/66). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-10 3' (880-5485-38), S-11 7' (880-5485-48), (CCV 880-7156/2) and (880-5485-A-41-C MSD). 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.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7141 and analytical batch 880-7169 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7123 and analytical batch 880-7195 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-1 1'

Lab Sample ID: 880-5485-1

Date Collected: 08/24/21 12:53

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199	mg/Kg		08/26/21 13:01	08/27/21 05:35	1
Toluene	<0.00199	U F1	0.00199	mg/Kg		08/26/21 13:01	08/27/21 05:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 05:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 05:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 05:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 05:35	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 05:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/26/21 13:01	08/27/21 05:35	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/26/21 13:01	08/27/21 05:35	1

Method: 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		08/26/21 14:33	08/26/21 22:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/26/21 22:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/26/21 22:05	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/26/21 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	08/26/21 14:33	08/26/21 22:05	1
o-Terphenyl (Surr)	93		70 - 130	08/26/21 14:33	08/26/21 22:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		4.95	mg/Kg			08/27/21 19:22	1

Client Sample ID: S-1 3'

Lab Sample ID: 880-5485-2

Date Collected: 08/24/21 12:54

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 05:55	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 05:55	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 05:55	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 05:55	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 05:55	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 05:55	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/26/21 13:01	08/27/21 05:55	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/26/21 13:01	08/27/21 05:55	1

Method: 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		08/26/21 14:33	08/26/21 23:09	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-1 3'

Lab Sample ID: 880-5485-2

Date Collected: 08/24/21 12:54

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/26/21 23:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/26/21 23:09	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/26/21 23:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			08/26/21 14:33	08/26/21 23:09	1
o-Terphenyl (Surr)	95		70 - 130			08/26/21 14:33	08/26/21 23:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		5.02	mg/Kg			08/27/21 19:27	1

Client Sample ID: S-1 5'

Lab Sample ID: 880-5485-3

Date Collected: 08/24/21 12:55

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 06:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 06:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 06:16	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/26/21 13:01	08/27/21 06:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 06:16	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/26/21 13:01	08/27/21 06:16	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		08/26/21 13:01	08/27/21 06:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			08/26/21 13:01	08/27/21 06:16	1
1,4-Difluorobenzene (Surr)	109		70 - 130			08/26/21 13:01	08/27/21 06:16	1

Method: 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		08/26/21 14:33	08/26/21 23:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/26/21 23:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/26/21 23:30	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/26/21 23:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			08/26/21 14:33	08/26/21 23:30	1
o-Terphenyl (Surr)	94		70 - 130			08/26/21 14:33	08/26/21 23:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		5.01	mg/Kg			08/27/21 19:33	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-1 10'

Lab Sample ID: 880-5485-4

Date Collected: 08/24/21 12:56

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:01	08/27/21 06:36	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:01	08/27/21 06:36	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:01	08/27/21 06:36	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/26/21 13:01	08/27/21 06:36	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:01	08/27/21 06:36	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/26/21 13:01	08/27/21 06:36	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		08/26/21 13:01	08/27/21 06:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/26/21 13:01	08/27/21 06:36	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/26/21 13:01	08/27/21 06:36	1

Method: 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		08/26/21 14:33	08/26/21 23:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/26/21 23:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/26/21 23:52	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/26/21 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	08/26/21 14:33	08/26/21 23:52	1
o-Terphenyl (Surr)	92		70 - 130	08/26/21 14:33	08/26/21 23:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.8		4.99	mg/Kg			08/28/21 02:48	1

Client Sample ID: S-2 1'

Lab Sample ID: 880-5485-5

Date Collected: 08/24/21 13:03

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 06:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 06:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 06:56	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/26/21 13:01	08/27/21 06:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 06:56	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/26/21 13:01	08/27/21 06:56	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		08/26/21 13:01	08/27/21 06:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/26/21 13:01	08/27/21 06:56	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/26/21 13:01	08/27/21 06:56	1

Method: 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		08/26/21 14:33	08/27/21 00:13	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-2 1'

Lab Sample ID: 880-5485-5

Date Collected: 08/24/21 13:03

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	1240		49.8	mg/Kg		08/26/21 14:33	08/27/21 00:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 00:13	1
Total TPH	1240		49.8	mg/Kg		08/26/21 14:33	08/27/21 00:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			08/26/21 14:33	08/27/21 00:13	1
o-Terphenyl (Surr)	95		70 - 130			08/26/21 14:33	08/27/21 00:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	317		5.00	mg/Kg			08/28/21 03:22	1

Client Sample ID: S-2 3'

Lab Sample ID: 880-5485-6

Date Collected: 08/24/21 13:04

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 07:17	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 07:17	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 07:17	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 07:17	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 07:17	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 07:17	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 07:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			08/26/21 13:01	08/27/21 07:17	1
1,4-Difluorobenzene (Surr)	110		70 - 130			08/26/21 13:01	08/27/21 07:17	1

Method: 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		08/26/21 14:33	08/27/21 00:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 00:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 00:34	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 00:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			08/26/21 14:33	08/27/21 00:34	1
o-Terphenyl (Surr)	96		70 - 130			08/26/21 14:33	08/27/21 00:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2780		24.8	mg/Kg			08/28/21 03:33	5

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-2 5'

Lab Sample ID: 880-5485-7

Date Collected: 08/24/21 13:05

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 07:37	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 07:37	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 07:37	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 07:37	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 07:37	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 07:37	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 07:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/26/21 13:01	08/27/21 07:37	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/26/21 13:01	08/27/21 07:37	1

Method: 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		08/26/21 14:33	08/27/21 00:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 00:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 00:55	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130	08/26/21 14:33	08/27/21 00:55	1
o-Terphenyl (Surr)	96		70 - 130	08/26/21 14:33	08/27/21 00:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		5.04	mg/Kg			08/28/21 03:44	1

Client Sample ID: S-2 10'

Lab Sample ID: 880-5485-8

Date Collected: 08/24/21 13:06

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 07:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 07:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 07:58	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:01	08/27/21 07:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 07:58	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:01	08/27/21 07:58	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:01	08/27/21 07:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/26/21 13:01	08/27/21 07:58	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/26/21 13:01	08/27/21 07:58	1

Method: 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		08/26/21 14:33	08/27/21 01:16	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-2 10'

Lab Sample ID: 880-5485-8

Date Collected: 08/24/21 13:06

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 01:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 01:16	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 01:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			08/26/21 14:33	08/27/21 01:16	1
o-Terphenyl (Surr)	93		70 - 130			08/26/21 14:33	08/27/21 01:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.2		4.95	mg/Kg			08/28/21 03:55	1

Client Sample ID: S-3 1'

Lab Sample ID: 880-5485-9

Date Collected: 08/24/21 13:12

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 08:18	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 08:18	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 08:18	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/26/21 13:01	08/27/21 08:18	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 08:18	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/26/21 13:01	08/27/21 08:18	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		08/26/21 13:01	08/27/21 08:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			08/26/21 13:01	08/27/21 08:18	1
1,4-Difluorobenzene (Surr)	110		70 - 130			08/26/21 13:01	08/27/21 08:18	1

Method: 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		08/26/21 14:33	08/27/21 01:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 01:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 01:38	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 01:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			08/26/21 14:33	08/27/21 01:38	1
o-Terphenyl (Surr)	92		70 - 130			08/26/21 14:33	08/27/21 01:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540		24.9	mg/Kg			08/28/21 04:29	5

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-3 3'

Lab Sample ID: 880-5485-10

Date Collected: 08/24/21 13:13

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 08:39	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 08:39	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 08:39	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 08:39	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 08:39	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 08:39	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 08:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/26/21 13:01	08/27/21 08:39	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/26/21 13:01	08/27/21 08:39	1

Method: 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		08/26/21 14:33	08/27/21 01:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 01:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 01:59	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	08/26/21 14:33	08/27/21 01:59	1
o-Terphenyl (Surr)	89		70 - 130	08/26/21 14:33	08/27/21 01:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.4		4.97	mg/Kg			08/28/21 04:40	1

Client Sample ID: S-3 5'

Lab Sample ID: 880-5485-11

Date Collected: 08/24/21 13:14

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/27/21 11:30	08/28/21 02:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/27/21 11:30	08/28/21 02:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/27/21 11:30	08/28/21 02:43	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/27/21 11:30	08/28/21 02:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/27/21 11:30	08/28/21 02:43	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/27/21 11:30	08/28/21 02:43	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/27/21 11:30	08/28/21 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/27/21 11:30	08/28/21 02:43	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/27/21 11:30	08/28/21 02:43	1

Method: 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		08/26/21 14:33	08/27/21 02:41	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-3 5'

Lab Sample ID: 880-5485-11

Date Collected: 08/24/21 13:14

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 02:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 02:41	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 02:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			08/26/21 14:33	08/27/21 02:41	1
o-Terphenyl (Surr)	90		70 - 130			08/26/21 14:33	08/27/21 02:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		4.97	mg/Kg			08/28/21 04:51	1

Client Sample ID: S-3 10'

Lab Sample ID: 880-5485-12

Date Collected: 08/24/21 13:15

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 11:31	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 11:31	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 11:31	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 11:31	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 11:31	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 11:31	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 11:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			08/26/21 13:01	08/27/21 11:31	1
1,4-Difluorobenzene (Surr)	106		70 - 130			08/26/21 13:01	08/27/21 11:31	1

Method: 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		08/26/21 14:33	08/27/21 03:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 03:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 03:02	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 03:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			08/26/21 14:33	08/27/21 03:02	1
o-Terphenyl (Surr)	92		70 - 130			08/26/21 14:33	08/27/21 03:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.7		5.00	mg/Kg			08/28/21 05:02	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-4 1'

Lab Sample ID: 880-5485-13

Date Collected: 08/24/21 13:22

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 11:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 11:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 11:52	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:01	08/27/21 11:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 11:52	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:01	08/27/21 11:52	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:01	08/27/21 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/26/21 13:01	08/27/21 11:52	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/26/21 13:01	08/27/21 11:52	1

Method: 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		08/26/21 14:33	08/27/21 03:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 03:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 03:24	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	08/26/21 14:33	08/27/21 03:24	1
o-Terphenyl (Surr)	92		70 - 130	08/26/21 14:33	08/27/21 03:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		4.99	mg/Kg			08/28/21 05:13	1

Client Sample ID: S-4 3'

Lab Sample ID: 880-5485-14

Date Collected: 08/24/21 13:23

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 12:12	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 12:12	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 12:12	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 12:12	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 12:12	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 12:12	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/26/21 13:01	08/27/21 12:12	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/26/21 13:01	08/27/21 12:12	1

Method: 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		08/26/21 14:33	08/27/21 03:45	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-4 3'

Lab Sample ID: 880-5485-14

Date Collected: 08/24/21 13:23

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 03:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 03:45	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 03:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			08/26/21 14:33	08/27/21 03:45	1
o-Terphenyl (Surr)	91		70 - 130			08/26/21 14:33	08/27/21 03:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.94		5.05	mg/Kg			08/28/21 05:24	1

Client Sample ID: S-4 5'

Lab Sample ID: 880-5485-15

Date Collected: 08/24/21 13:24

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:01	08/27/21 12:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:01	08/27/21 12:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:01	08/27/21 12:32	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/26/21 13:01	08/27/21 12:32	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:01	08/27/21 12:32	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/26/21 13:01	08/27/21 12:32	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		08/26/21 13:01	08/27/21 12:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			08/26/21 13:01	08/27/21 12:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130			08/26/21 13:01	08/27/21 12:32	1

Method: 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		08/26/21 14:33	08/27/21 04:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 04:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 04:06	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 04:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			08/26/21 14:33	08/27/21 04:06	1
o-Terphenyl (Surr)	89		70 - 130			08/26/21 14:33	08/27/21 04:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		4.98	mg/Kg			08/28/21 05:58	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-4 10'

Lab Sample ID: 880-5485-16

Date Collected: 08/24/21 13:25

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 12:53	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 12:53	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 12:53	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 12:53	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:01	08/27/21 12:53	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 12:53	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:01	08/27/21 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/26/21 13:01	08/27/21 12:53	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/26/21 13:01	08/27/21 12:53	1

Method: 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		08/26/21 14:33	08/27/21 04:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 04:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 04:27	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:33	08/27/21 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130	08/26/21 14:33	08/27/21 04:27	1
o-Terphenyl (Surr)	92		70 - 130	08/26/21 14:33	08/27/21 04:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.1		4.95	mg/Kg			08/28/21 06:09	1

Client Sample ID: S-5 1'

Lab Sample ID: 880-5485-17

Date Collected: 08/24/21 14:06

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 13:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 13:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 13:13	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:01	08/27/21 13:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 13:13	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:01	08/27/21 13:13	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:01	08/27/21 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/26/21 13:01	08/27/21 13:13	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/26/21 13:01	08/27/21 13:13	1

Method: 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		08/26/21 14:33	08/27/21 04:48	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-5 1'

Lab Sample ID: 880-5485-17

Date Collected: 08/24/21 14:06

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	1730		50.0	mg/Kg		08/26/21 14:33	08/27/21 04:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 04:48	1
Total TPH	1730		50.0	mg/Kg		08/26/21 14:33	08/27/21 04:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			08/26/21 14:33	08/27/21 04:48	1
o-Terphenyl (Surr)	89		70 - 130			08/26/21 14:33	08/27/21 04:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	317		4.95	mg/Kg			08/28/21 06:43	1

Client Sample ID: S-5 3'

Lab Sample ID: 880-5485-18

Date Collected: 08/24/21 14:07

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 13:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 13:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 13:34	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 13:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:01	08/27/21 13:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 13:34	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		08/26/21 13:01	08/27/21 13:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			08/26/21 13:01	08/27/21 13:34	1
1,4-Difluorobenzene (Surr)	110		70 - 130			08/26/21 13:01	08/27/21 13:34	1

Method: 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		08/26/21 14:33	08/27/21 05:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 05:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 05:09	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:33	08/27/21 05:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			08/26/21 14:33	08/27/21 05:09	1
o-Terphenyl (Surr)	92		70 - 130			08/26/21 14:33	08/27/21 05:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		5.04	mg/Kg			08/28/21 06:54	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-5 5'

Lab Sample ID: 880-5485-19

Date Collected: 08/24/21 14:08

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 13:54	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 13:54	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 13:54	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		08/26/21 13:01	08/27/21 13:54	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 13:54	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/26/21 13:01	08/27/21 13:54	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		08/26/21 13:01	08/27/21 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/26/21 13:01	08/27/21 13:54	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/26/21 13:01	08/27/21 13:54	1

Method: 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		08/26/21 14:33	08/27/21 05:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 05:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 05:31	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	08/26/21 14:33	08/27/21 05:31	1
o-Terphenyl (Surr)	92		70 - 130	08/26/21 14:33	08/27/21 05:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		4.96	mg/Kg			08/28/21 07:05	1

Client Sample ID: S-5 8'

Lab Sample ID: 880-5485-20

Date Collected: 08/24/21 14:09

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 14:15	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 14:15	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 14:15	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/26/21 13:01	08/27/21 14:15	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:01	08/27/21 14:15	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/26/21 13:01	08/27/21 14:15	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		08/26/21 13:01	08/27/21 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/26/21 13:01	08/27/21 14:15	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/26/21 13:01	08/27/21 14:15	1

Method: 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		08/26/21 14:33	08/27/21 05:52	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-5 8'

Lab Sample ID: 880-5485-20

Date Collected: 08/24/21 14:09

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 05:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 05:52	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/27/21 05:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			08/26/21 14:33	08/27/21 05:52	1
o-Terphenyl (Surr)	90		70 - 130			08/26/21 14:33	08/27/21 05:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		4.97	mg/Kg			08/28/21 07:16	1

Client Sample ID: S-6 1'

Lab Sample ID: 880-5485-21

Date Collected: 08/25/21 07:51

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 12:48	1
Toluene	<0.00201	U F1	0.00201	mg/Kg		08/26/21 13:09	08/27/21 12:48	1
Ethylbenzene	<0.00201	U F1	0.00201	mg/Kg		08/26/21 13:09	08/27/21 12:48	1
m,p-Xylenes	<0.00402	U F1	0.00402	mg/Kg		08/26/21 13:09	08/27/21 12:48	1
o-Xylene	<0.00201	U F1	0.00201	mg/Kg		08/26/21 13:09	08/27/21 12:48	1
Xylenes, Total	<0.00402	U F1	0.00402	mg/Kg		08/26/21 13:09	08/27/21 12:48	1
Total BTEX	<0.00402	U F1	0.00402	mg/Kg		08/26/21 13:09	08/27/21 12:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			08/26/21 13:09	08/27/21 12:48	1
1,4-Difluorobenzene (Surr)	112		70 - 130			08/26/21 13:09	08/27/21 12:48	1

Method: 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		08/26/21 14:48	08/27/21 13:36	1
Diesel Range Organics (Over C10-C28)	909		50.0	mg/Kg		08/26/21 14:48	08/27/21 13:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 13:36	1
Total TPH	909		50.0	mg/Kg		08/26/21 14:48	08/27/21 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			08/26/21 14:48	08/27/21 13:36	1
o-Terphenyl (Surr)	95		70 - 130			08/26/21 14:48	08/27/21 13:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		4.99	mg/Kg			08/28/21 07:27	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-6 3'

Lab Sample ID: 880-5485-22

Date Collected: 08/25/21 07:52

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 13:08	1
Toluene	0.00371		0.00200	mg/Kg		08/26/21 13:09	08/27/21 13:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 13:08	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 13:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 13:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 13:08	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/26/21 13:09	08/27/21 13:08	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/26/21 13:09	08/27/21 13:08	1

Method: 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		08/26/21 14:48	08/27/21 14:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 14:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 14:40	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	08/26/21 14:48	08/27/21 14:40	1
o-Terphenyl (Surr)	102		70 - 130	08/26/21 14:48	08/27/21 14:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	365		5.00	mg/Kg			08/28/21 07:38	1

Client Sample ID: S-6 5'

Lab Sample ID: 880-5485-23

Date Collected: 08/25/21 07:53

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:09	08/27/21 13:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:09	08/27/21 13:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:09	08/27/21 13:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/26/21 13:09	08/27/21 13:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:09	08/27/21 13:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/26/21 13:09	08/27/21 13:29	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		08/26/21 13:09	08/27/21 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/26/21 13:09	08/27/21 13:29	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/26/21 13:09	08/27/21 13:29	1

Method: 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		08/26/21 14:48	08/27/21 15:02	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-6 5'

Lab Sample ID: 880-5485-23

Date Collected: 08/25/21 07:53

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 15:02	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 15:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			08/26/21 14:48	08/27/21 15:02	1
o-Terphenyl (Surr)	105		70 - 130			08/26/21 14:48	08/27/21 15:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	248		4.98	mg/Kg			08/28/21 07:49	1

Client Sample ID: S-6 10'

Lab Sample ID: 880-5485-24

Date Collected: 08/25/21 07:54

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 13:49	1
Toluene	0.00314		0.00200	mg/Kg		08/26/21 13:09	08/27/21 13:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 13:49	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 13:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 13:49	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 13:49	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 13:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			08/26/21 13:09	08/27/21 13:49	1
1,4-Difluorobenzene (Surr)	74		70 - 130			08/26/21 13:09	08/27/21 13:49	1

Method: 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		08/26/21 14:48	08/27/21 15:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 15:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 15:23	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 15:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			08/26/21 14:48	08/27/21 15:23	1
o-Terphenyl (Surr)	105		70 - 130			08/26/21 14:48	08/27/21 15:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5	F1	4.99	mg/Kg			08/28/21 09:19	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-7 1'

Lab Sample ID: 880-5485-25

Date Collected: 08/25/21 08:02

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:09	08/27/21 14:10	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:09	08/27/21 14:10	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:09	08/27/21 14:10	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		08/26/21 13:09	08/27/21 14:10	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:09	08/27/21 14:10	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/26/21 13:09	08/27/21 14:10	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		08/26/21 13:09	08/27/21 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/26/21 13:09	08/27/21 14:10	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/26/21 13:09	08/27/21 14:10	1

Method: 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		08/26/21 14:48	08/27/21 15:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 15:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 15:44	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	08/26/21 14:48	08/27/21 15:44	1
o-Terphenyl (Surr)	105		70 - 130	08/26/21 14:48	08/27/21 15:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315		5.05	mg/Kg			08/28/21 09:52	1

Client Sample ID: S-7 3'

Lab Sample ID: 880-5485-26

Date Collected: 08/25/21 08:03

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 14:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 14:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 14:30	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 14:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 14:30	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 14:30	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	08/26/21 13:09	08/27/21 14:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/26/21 13:09	08/27/21 14:30	1

Method: 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		08/26/21 14:48	08/27/21 16:05	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-7 3'

Lab Sample ID: 880-5485-26

Date Collected: 08/25/21 08:03

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 16:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 16:05	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 16:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			08/26/21 14:48	08/27/21 16:05	1
o-Terphenyl (Surr)	103		70 - 130			08/26/21 14:48	08/27/21 16:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		4.97	mg/Kg			08/28/21 10:03	1

Client Sample ID: S-7 5'

Lab Sample ID: 880-5485-27

Date Collected: 08/25/21 08:04

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 14:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 14:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 14:50	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/26/21 13:09	08/27/21 14:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 14:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/26/21 13:09	08/27/21 14:50	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/26/21 13:09	08/27/21 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			08/26/21 13:09	08/27/21 14:50	1
1,4-Difluorobenzene (Surr)	103		70 - 130			08/26/21 13:09	08/27/21 14:50	1

Method: 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		08/26/21 14:48	08/27/21 16:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 16:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 16:26	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			08/26/21 14:48	08/27/21 16:26	1
o-Terphenyl (Surr)	99		70 - 130			08/26/21 14:48	08/27/21 16:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.95	mg/Kg			08/28/21 10:15	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-7 8'

Lab Sample ID: 880-5485-28

Date Collected: 08/25/21 08:05

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 15:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 15:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 15:11	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/26/21 13:09	08/27/21 15:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 15:11	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/26/21 13:09	08/27/21 15:11	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		08/26/21 13:09	08/27/21 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	08/26/21 13:09	08/27/21 15:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/26/21 13:09	08/27/21 15:11	1

Method: 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		08/26/21 14:48	08/27/21 16:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 16:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 16:47	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	08/26/21 14:48	08/27/21 16:47	1
o-Terphenyl (Surr)	104		70 - 130	08/26/21 14:48	08/27/21 16:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.8		5.01	mg/Kg			08/28/21 10:26	1

Client Sample ID: S-8 1'

Lab Sample ID: 880-5485-29

Date Collected: 08/25/21 08:09

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 15:31	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 15:31	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 15:31	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:09	08/27/21 15:31	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 15:31	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:09	08/27/21 15:31	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:09	08/27/21 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	08/26/21 13:09	08/27/21 15:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/26/21 13:09	08/27/21 15:31	1

Method: 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		08/26/21 14:48	08/27/21 17:08	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-8 1'

Lab Sample ID: 880-5485-29

Date Collected: 08/25/21 08:09

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 17:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 17:08	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			08/26/21 14:48	08/27/21 17:08	1
o-Terphenyl (Surr)	102		70 - 130			08/26/21 14:48	08/27/21 17:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		24.9	mg/Kg			08/30/21 11:07	5

Client Sample ID: S-8 3'

Lab Sample ID: 880-5485-30

Date Collected: 08/25/21 08:10

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:09	08/27/21 15:52	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:09	08/27/21 15:52	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:09	08/27/21 15:52	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/26/21 13:09	08/27/21 15:52	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:09	08/27/21 15:52	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/26/21 13:09	08/27/21 15:52	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		08/26/21 13:09	08/27/21 15:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			08/26/21 13:09	08/27/21 15:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130			08/26/21 13:09	08/27/21 15:52	1

Method: 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		08/26/21 14:48	08/27/21 17:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 17:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 17:29	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130			08/26/21 14:48	08/27/21 17:29	1
o-Terphenyl (Surr)	102		70 - 130			08/26/21 14:48	08/27/21 17:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.0		4.95	mg/Kg			08/28/21 11:10	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-8 5'

Lab Sample ID: 880-5485-31

Date Collected: 08/25/21 08:11

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 17:14	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 17:14	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 17:14	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:09	08/27/21 17:14	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 17:14	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:09	08/27/21 17:14	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:09	08/27/21 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	08/26/21 13:09	08/27/21 17:14	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/26/21 13:09	08/27/21 17:14	1

Method: 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		08/26/21 14:48	08/27/21 18:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 18:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 18:11	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	08/26/21 14:48	08/27/21 18:11	1
o-Terphenyl (Surr)	104		70 - 130	08/26/21 14:48	08/27/21 18:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		5.00	mg/Kg			08/28/21 11:22	1

Client Sample ID: S-8 10'

Lab Sample ID: 880-5485-32

Date Collected: 08/25/21 08:12

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 17:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 17:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 17:34	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 17:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 17:34	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 17:34	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	08/26/21 13:09	08/27/21 17:34	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/26/21 13:09	08/27/21 17:34	1

Method: 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		08/26/21 14:48	08/27/21 18:32	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-8 10'

Lab Sample ID: 880-5485-32

Date Collected: 08/25/21 08:12

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 18:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 18:32	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 18:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			08/26/21 14:48	08/27/21 18:32	1
o-Terphenyl (Surr)	101		70 - 130			08/26/21 14:48	08/27/21 18:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.7		5.00	mg/Kg			08/28/21 11:33	1

Client Sample ID: S-9 1'

Lab Sample ID: 880-5485-33

Date Collected: 08/25/21 08:19

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:09	08/27/21 17:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:09	08/27/21 17:54	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:09	08/27/21 17:54	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/26/21 13:09	08/27/21 17:54	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:09	08/27/21 17:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/26/21 13:09	08/27/21 17:54	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		08/26/21 13:09	08/27/21 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			08/26/21 13:09	08/27/21 17:54	1
1,4-Difluorobenzene (Surr)	98		70 - 130			08/26/21 13:09	08/27/21 17:54	1

Method: 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		08/26/21 14:48	08/27/21 18:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 18:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 18:53	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			08/26/21 14:48	08/27/21 18:53	1
o-Terphenyl (Surr)	104		70 - 130			08/26/21 14:48	08/27/21 18:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.98	mg/Kg			08/28/21 11:44	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-9 3'

Lab Sample ID: 880-5485-34

Date Collected: 08/25/21 08:20

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 18:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 18:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 18:15	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 18:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 18:15	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 18:15	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	08/26/21 13:09	08/27/21 18:15	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/26/21 13:09	08/27/21 18:15	1

Method: 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		08/26/21 14:48	08/27/21 19:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 19:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 19:14	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	08/26/21 14:48	08/27/21 19:14	1
o-Terphenyl (Surr)	104		70 - 130	08/26/21 14:48	08/27/21 19:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.9		4.95	mg/Kg			08/28/21 11:55	1

Client Sample ID: S-9 5'

Lab Sample ID: 880-5485-35

Date Collected: 08/25/21 08:21

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:09	08/27/21 18:35	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:09	08/27/21 18:35	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:09	08/27/21 18:35	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/26/21 13:09	08/27/21 18:35	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:09	08/27/21 18:35	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/26/21 13:09	08/27/21 18:35	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		08/26/21 13:09	08/27/21 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	08/26/21 13:09	08/27/21 18:35	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/26/21 13:09	08/27/21 18:35	1

Method: 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		08/26/21 14:48	08/27/21 19:35	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-9 5'

Lab Sample ID: 880-5485-35

Date Collected: 08/25/21 08:21

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 19:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 19:35	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 19:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			08/26/21 14:48	08/27/21 19:35	1
o-Terphenyl (Surr)	104		70 - 130			08/26/21 14:48	08/27/21 19:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.17		5.04	mg/Kg			08/28/21 12:29	1

Client Sample ID: S-9 10'

Lab Sample ID: 880-5485-36

Date Collected: 08/25/21 08:22

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 18:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 18:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 18:56	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 18:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 18:56	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 18:56	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 18:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			08/26/21 13:09	08/27/21 18:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130			08/26/21 13:09	08/27/21 18:56	1

Method: 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		08/26/21 14:48	08/27/21 19:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 19:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 19:57	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 14:48	08/27/21 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			08/26/21 14:48	08/27/21 19:57	1
o-Terphenyl (Surr)	101		70 - 130			08/26/21 14:48	08/27/21 19:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		5.01	mg/Kg			08/28/21 12:40	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-10 1'

Lab Sample ID: 880-5485-37

Date Collected: 08/25/21 08:30

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 19:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 19:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 19:16	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/26/21 13:09	08/27/21 19:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 19:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/26/21 13:09	08/27/21 19:16	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/26/21 13:09	08/27/21 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	08/26/21 13:09	08/27/21 19:16	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/26/21 13:09	08/27/21 19:16	1

Method: 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		08/26/21 14:48	08/27/21 20:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 20:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 20:18	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	08/26/21 14:48	08/27/21 20:18	1
o-Terphenyl (Surr)	102		70 - 130	08/26/21 14:48	08/27/21 20:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		4.97	mg/Kg			08/28/21 13:13	1

Client Sample ID: S-10 3'

Lab Sample ID: 880-5485-38

Date Collected: 08/25/21 08:31

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 19:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 19:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 19:36	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/26/21 13:09	08/27/21 19:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 19:36	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/26/21 13:09	08/27/21 19:36	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		08/26/21 13:09	08/27/21 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	08/26/21 13:09	08/27/21 19:36	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/26/21 13:09	08/27/21 19:36	1

Method: 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		08/26/21 14:48	08/27/21 20:39	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-10 3'

Lab Sample ID: 880-5485-38

Date Collected: 08/25/21 08:31

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 20:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 20:39	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 14:48	08/27/21 20:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			08/26/21 14:48	08/27/21 20:39	1
o-Terphenyl (Surr)	105		70 - 130			08/26/21 14:48	08/27/21 20:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	847		4.95	mg/Kg			08/28/21 13:24	1

Client Sample ID: S-10 5'

Lab Sample ID: 880-5485-39

Date Collected: 08/25/21 08:32

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 19:57	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 19:57	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 19:57	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:09	08/27/21 19:57	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:09	08/27/21 19:57	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:09	08/27/21 19:57	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:09	08/27/21 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			08/26/21 13:09	08/27/21 19:57	1
1,4-Difluorobenzene (Surr)	95		70 - 130			08/26/21 13:09	08/27/21 19:57	1

Method: 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		08/26/21 14:48	08/27/21 21:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 21:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 21:00	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 21:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			08/26/21 14:48	08/27/21 21:00	1
o-Terphenyl (Surr)	105		70 - 130			08/26/21 14:48	08/27/21 21:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	563		4.98	mg/Kg			08/28/21 13:35	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-10 10'

Lab Sample ID: 880-5485-40

Date Collected: 08/25/21 08:33

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 20:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 20:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 20:17	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 20:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 20:17	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 20:17	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:09	08/27/21 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	08/26/21 13:09	08/27/21 20:17	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/26/21 13:09	08/27/21 20:17	1

Method: 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		08/26/21 14:48	08/27/21 21:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 21:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 21:21	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130	08/26/21 14:48	08/27/21 21:21	1
o-Terphenyl (Surr)	105		70 - 130	08/26/21 14:48	08/27/21 21:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.2		4.96	mg/Kg			08/28/21 13:47	1

Client Sample ID: S-13 1'

Lab Sample ID: 880-5485-41

Date Collected: 08/25/21 08:53

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200	mg/Kg		08/26/21 13:13	08/27/21 23:39	1
Toluene	<0.00200	U F1 F2	0.00200	mg/Kg		08/26/21 13:13	08/27/21 23:39	1
Ethylbenzene	<0.00200	U F1 F2	0.00200	mg/Kg		08/26/21 13:13	08/27/21 23:39	1
m,p-Xylenes	<0.00399	U F1 F2	0.00399	mg/Kg		08/26/21 13:13	08/27/21 23:39	1
o-Xylene	<0.00200	U F1 F2	0.00200	mg/Kg		08/26/21 13:13	08/27/21 23:39	1
Xylenes, Total	<0.00399	U F1 F2	0.00399	mg/Kg		08/26/21 13:13	08/27/21 23:39	1
Total BTEX	<0.00399	U F1 F2	0.00399	mg/Kg		08/26/21 13:13	08/27/21 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	08/26/21 13:13	08/27/21 23:39	1
1,4-Difluorobenzene (Surr)	71		70 - 130	08/26/21 13:13	08/27/21 23:39	1

Method: 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		08/26/21 15:06	08/27/21 13:36	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-13 1'

Lab Sample ID: 880-5485-41

Date Collected: 08/25/21 08:53

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	1820	F1	50.0	mg/Kg		08/26/21 15:06	08/27/21 13:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 13:36	1
Total TPH	1820		50.0	mg/Kg		08/26/21 15:06	08/27/21 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			08/26/21 15:06	08/27/21 13:36	1
o-Terphenyl (Surr)	90		70 - 130			08/26/21 15:06	08/27/21 13:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.95	mg/Kg			08/28/21 13:58	1

Client Sample ID: S-13 3'

Lab Sample ID: 880-5485-42

Date Collected: 08/25/21 08:54

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 00:00	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 00:00	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 00:00	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/26/21 13:13	08/28/21 00:00	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 00:00	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/26/21 13:13	08/28/21 00:00	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		08/26/21 13:13	08/28/21 00:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			08/26/21 13:13	08/28/21 00:00	1
1,4-Difluorobenzene (Surr)	104		70 - 130			08/26/21 13:13	08/28/21 00:00	1

Method: 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		08/26/21 15:06	08/27/21 14:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 14:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 14:40	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 14:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			08/26/21 15:06	08/27/21 14:40	1
o-Terphenyl (Surr)	101		70 - 130			08/26/21 15:06	08/27/21 14:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.3		5.00	mg/Kg			08/28/21 14:09	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-13 5'

Lab Sample ID: 880-5485-43

Date Collected: 08/25/21 08:55

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 00:20	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 00:20	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 00:20	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 00:20	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 00:20	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 00:20	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/26/21 13:13	08/28/21 00:20	1
1,4-Difluorobenzene (Surr)	74		70 - 130	08/26/21 13:13	08/28/21 00:20	1

Method: 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		08/26/21 15:06	08/27/21 15:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 15:02	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	08/26/21 15:06	08/27/21 15:02	1
o-Terphenyl (Surr)	103		70 - 130	08/26/21 15:06	08/27/21 15:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.3		5.04	mg/Kg			08/28/21 14:20	1

Client Sample ID: S-13 8'

Lab Sample ID: 880-5485-44

Date Collected: 08/25/21 08:56

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 00:40	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 00:40	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 00:40	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 00:40	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 00:40	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 00:40	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	08/26/21 13:13	08/28/21 00:40	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/26/21 13:13	08/28/21 00:40	1

Method: 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		08/26/21 15:06	08/27/21 15:23	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-13 8'

Lab Sample ID: 880-5485-44

Date Collected: 08/25/21 08:56

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 15:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 15:23	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 15:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			08/26/21 15:06	08/27/21 15:23	1
o-Terphenyl (Surr)	107		70 - 130			08/26/21 15:06	08/27/21 15:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		5.04	mg/Kg			08/27/21 20:35	1

Client Sample ID: S-11 1'

Lab Sample ID: 880-5485-45

Date Collected: 08/25/21 09:02

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 01:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 01:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 01:01	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 01:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 01:01	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 01:01	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 01:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			08/26/21 13:13	08/28/21 01:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130			08/26/21 13:13	08/28/21 01:01	1

Method: 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		08/26/21 15:06	08/27/21 15:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 15:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 15:44	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 15:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			08/26/21 15:06	08/27/21 15:44	1
o-Terphenyl (Surr)	106		70 - 130			08/26/21 15:06	08/27/21 15:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	348		4.98	mg/Kg			08/27/21 20:41	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-11 3'

Lab Sample ID: 880-5485-46

Date Collected: 08/25/21 09:03

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 01:21	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 01:21	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 01:21	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/26/21 13:13	08/28/21 01:21	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 01:21	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/26/21 13:13	08/28/21 01:21	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		08/26/21 13:13	08/28/21 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/26/21 13:13	08/28/21 01:21	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/26/21 13:13	08/28/21 01:21	1

Method: 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		08/26/21 15:06	08/27/21 16:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 16:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 16:05	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130	08/26/21 15:06	08/27/21 16:05	1
o-Terphenyl (Surr)	107		70 - 130	08/26/21 15:06	08/27/21 16:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		4.99	mg/Kg			08/27/21 20:47	1

Client Sample ID: S-11 5'

Lab Sample ID: 880-5485-47

Date Collected: 08/25/21 09:04

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 01:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 01:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 01:42	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 01:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 01:42	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 01:42	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	08/26/21 13:13	08/28/21 01:42	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/26/21 13:13	08/28/21 01:42	1

Method: 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		08/26/21 15:06	08/27/21 16:26	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-11 5'

Lab Sample ID: 880-5485-47

Date Collected: 08/25/21 09:04

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 16:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 16:26	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			08/26/21 15:06	08/27/21 16:26	1
o-Terphenyl (Surr)	98		70 - 130			08/26/21 15:06	08/27/21 16:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		5.05	mg/Kg			08/27/21 20:52	1

Client Sample ID: S-11 7'

Lab Sample ID: 880-5485-48

Date Collected: 08/25/21 09:05

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:13	08/28/21 02:02	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:13	08/28/21 02:02	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:13	08/28/21 02:02	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/26/21 13:13	08/28/21 02:02	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:13	08/28/21 02:02	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/26/21 13:13	08/28/21 02:02	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		08/26/21 13:13	08/28/21 02:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130			08/26/21 13:13	08/28/21 02:02	1
1,4-Difluorobenzene (Surr)	97		70 - 130			08/26/21 13:13	08/28/21 02:02	1

Method: 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		08/26/21 15:06	08/27/21 16:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 16:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 16:47	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 16:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			08/26/21 15:06	08/27/21 16:47	1
o-Terphenyl (Surr)	96		70 - 130			08/26/21 15:06	08/27/21 16:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		4.98	mg/Kg			08/27/21 21:09	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-15 1'

Lab Sample ID: 880-5485-49

Date Collected: 08/25/21 09:08

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 02:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 02:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 02:22	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/26/21 13:13	08/28/21 02:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 02:22	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/26/21 13:13	08/28/21 02:22	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		08/26/21 13:13	08/28/21 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	08/26/21 13:13	08/28/21 02:22	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/26/21 13:13	08/28/21 02:22	1

Method: 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		08/26/21 15:06	08/27/21 17:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 17:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 17:08	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	08/26/21 15:06	08/27/21 17:08	1
o-Terphenyl (Surr)	99		70 - 130	08/26/21 15:06	08/27/21 17:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.0		4.95	mg/Kg			08/27/21 21:15	1

Client Sample ID: S-15 3'

Lab Sample ID: 880-5485-50

Date Collected: 08/25/21 09:09

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 02:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 02:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 02:43	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 02:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 02:43	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 02:43	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	08/26/21 13:13	08/28/21 02:43	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/26/21 13:13	08/28/21 02:43	1

Method: 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		08/26/21 15:06	08/27/21 17:29	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-15 3'

Lab Sample ID: 880-5485-50

Date Collected: 08/25/21 09:09

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 17:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 17:29	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			08/26/21 15:06	08/27/21 17:29	1
o-Terphenyl (Surr)	106		70 - 130			08/26/21 15:06	08/27/21 17:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		5.01	mg/Kg			08/27/21 21:21	1

Client Sample ID: S-15 5'

Lab Sample ID: 880-5485-51

Date Collected: 08/25/21 09:10

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 04:05	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 04:05	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 04:05	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 04:05	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 04:05	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 04:05	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 04:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			08/26/21 13:13	08/28/21 04:05	1
1,4-Difluorobenzene (Surr)	95		70 - 130			08/26/21 13:13	08/28/21 04:05	1

Method: 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		08/26/21 15:06	08/27/21 18:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 18:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 18:11	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 18:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130			08/26/21 15:06	08/27/21 18:11	1
o-Terphenyl (Surr)	114		70 - 130			08/26/21 15:06	08/27/21 18:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		4.98	mg/Kg			08/27/21 21:26	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-15 10'

Lab Sample ID: 880-5485-52

Date Collected: 08/25/21 09:11

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:13	08/28/21 04:25	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:13	08/28/21 04:25	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:13	08/28/21 04:25	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/26/21 13:13	08/28/21 04:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/26/21 13:13	08/28/21 04:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/26/21 13:13	08/28/21 04:25	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		08/26/21 13:13	08/28/21 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	08/26/21 13:13	08/28/21 04:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/26/21 13:13	08/28/21 04:25	1

Method: 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		08/26/21 15:06	08/27/21 18:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 18:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 18:32	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	08/26/21 15:06	08/27/21 18:32	1
o-Terphenyl (Surr)	96		70 - 130	08/26/21 15:06	08/27/21 18:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		5.00	mg/Kg			08/27/21 21:32	1

Client Sample ID: S-14 1'

Lab Sample ID: 880-5485-53

Date Collected: 08/25/21 09:14

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:13	08/28/21 04:46	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:13	08/28/21 04:46	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:13	08/28/21 04:46	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		08/26/21 13:13	08/28/21 04:46	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/26/21 13:13	08/28/21 04:46	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/26/21 13:13	08/28/21 04:46	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		08/26/21 13:13	08/28/21 04:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	08/26/21 13:13	08/28/21 04:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/26/21 13:13	08/28/21 04:46	1

Method: 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		08/26/21 15:06	08/27/21 18:53	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-14 1'

Lab Sample ID: 880-5485-53

Date Collected: 08/25/21 09:14

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 18:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 18:53	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			08/26/21 15:06	08/27/21 18:53	1
o-Terphenyl (Surr)	96		70 - 130			08/26/21 15:06	08/27/21 18:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.2		4.98	mg/Kg			08/27/21 21:38	1

Client Sample ID: S-14 3'

Lab Sample ID: 880-5485-54

Date Collected: 08/25/21 09:15

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 05:06	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 05:06	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 05:06	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 05:06	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 05:06	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 05:06	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 05:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			08/26/21 13:13	08/28/21 05:06	1
1,4-Difluorobenzene (Surr)	99		70 - 130			08/26/21 13:13	08/28/21 05:06	1

Method: 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		08/26/21 15:06	08/27/21 19:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 19:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 19:14	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			08/26/21 15:06	08/27/21 19:14	1
o-Terphenyl (Surr)	108		70 - 130			08/26/21 15:06	08/27/21 19:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		5.04	mg/Kg			08/27/21 21:55	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-14 5'

Lab Sample ID: 880-5485-55

Date Collected: 08/25/21 09:16

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 05:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 05:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 05:27	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/26/21 13:13	08/28/21 05:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 05:27	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/26/21 13:13	08/28/21 05:27	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		08/26/21 13:13	08/28/21 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	08/26/21 13:13	08/28/21 05:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/26/21 13:13	08/28/21 05:27	1

Method: 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		08/26/21 15:06	08/27/21 19:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 19:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 19:35	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	08/26/21 15:06	08/27/21 19:35	1
o-Terphenyl (Surr)	97		70 - 130	08/26/21 15:06	08/27/21 19:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.8		4.98	mg/Kg			08/27/21 22:00	1

Client Sample ID: S-14 8'

Lab Sample ID: 880-5485-56

Date Collected: 08/25/21 09:17

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 05:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 05:47	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 05:47	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 05:47	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 05:47	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 05:47	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 05:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	08/26/21 13:13	08/28/21 05:47	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/26/21 13:13	08/28/21 05:47	1

Method: 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		08/26/21 15:06	08/27/21 19:57	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-14 8'

Lab Sample ID: 880-5485-56

Date Collected: 08/25/21 09:17

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 19:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 19:57	1
Total TPH	<49.9	U	49.9	mg/Kg		08/26/21 15:06	08/27/21 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			08/26/21 15:06	08/27/21 19:57	1
o-Terphenyl (Surr)	111		70 - 130			08/26/21 15:06	08/27/21 19:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.71		5.05	mg/Kg			08/27/21 22:17	1

Client Sample ID: S-12 1'

Lab Sample ID: 880-5485-57

Date Collected: 08/25/21 09:32

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 06:07	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 06:07	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 06:07	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 06:07	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/26/21 13:13	08/28/21 06:07	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 06:07	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		08/26/21 13:13	08/28/21 06:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			08/26/21 13:13	08/28/21 06:07	1
1,4-Difluorobenzene (Surr)	98		70 - 130			08/26/21 13:13	08/28/21 06:07	1

Method: 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		08/26/21 15:06	08/27/21 20:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 20:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 20:18	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 20:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130			08/26/21 15:06	08/27/21 20:18	1
o-Terphenyl (Surr)	111		70 - 130			08/26/21 15:06	08/27/21 20:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		4.97	mg/Kg			08/27/21 22:23	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-12 3'

Lab Sample ID: 880-5485-58

Date Collected: 08/25/21 09:33

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 06:28	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 06:28	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 06:28	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/26/21 13:13	08/28/21 06:28	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/26/21 13:13	08/28/21 06:28	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/26/21 13:13	08/28/21 06:28	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		08/26/21 13:13	08/28/21 06:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/26/21 13:13	08/28/21 06:28	1
1,4-Difluorobenzene (Surr)	74		70 - 130	08/26/21 13:13	08/28/21 06:28	1

Method: 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		08/26/21 15:06	08/27/21 20:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 20:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 20:39	1
Total TPH	<49.8	U	49.8	mg/Kg		08/26/21 15:06	08/27/21 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130	08/26/21 15:06	08/27/21 20:39	1
o-Terphenyl (Surr)	96		70 - 130	08/26/21 15:06	08/27/21 20:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.8		4.95	mg/Kg			08/27/21 22:29	1

Client Sample ID: S-12 5'

Lab Sample ID: 880-5485-59

Date Collected: 08/25/21 09:34

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 06:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 06:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 06:48	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/26/21 13:13	08/28/21 06:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 06:48	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/26/21 13:13	08/28/21 06:48	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		08/26/21 13:13	08/28/21 06:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/26/21 13:13	08/28/21 06:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/26/21 13:13	08/28/21 06:48	1

Method: 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		08/26/21 15:06	08/27/21 21:00	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-12 5'

Lab Sample ID: 880-5485-59

Date Collected: 08/25/21 09:34

Matrix: Solid

Date Received: 08/26/21 09:03

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 21:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 21:00	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 21:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130			08/26/21 15:06	08/27/21 21:00	1
o-Terphenyl (Surr)	100		70 - 130			08/26/21 15:06	08/27/21 21:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		4.95	mg/Kg			08/27/21 22:34	1

Client Sample ID: S-12 10'

Lab Sample ID: 880-5485-60

Date Collected: 08/25/21 09:35

Matrix: Solid

Date Received: 08/26/21 09:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 07:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 07:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 07:09	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 07:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/28/21 07:09	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 07:09	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		08/26/21 13:13	08/28/21 07:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130			08/26/21 13:13	08/28/21 07:09	1
1,4-Difluorobenzene (Surr)	91		70 - 130			08/26/21 13:13	08/28/21 07:09	1

Method: 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		08/26/21 15:06	08/27/21 21:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 21:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 21:21	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 21:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130			08/26/21 15:06	08/27/21 21:21	1
o-Terphenyl (Surr)	106		70 - 130			08/26/21 15:06	08/27/21 21:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.0		4.96	mg/Kg			08/27/21 22:40	1

Eurofins Xenco, Midland

Surrogate Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-5484-A-6-B MS	Matrix Spike	112	123
880-5484-A-6-C MSD	Matrix Spike Duplicate	119	124
880-5485-1	S-1 1'	105	109
880-5485-1 MS	S-1 1'	130	81
880-5485-1 MSD	S-1 1'	113	104
880-5485-2	S-1 3'	106	109
880-5485-3	S-1 5'	104	109
880-5485-4	S-1 10'	104	112
880-5485-5	S-2 1'	96	94
880-5485-6	S-2 3'	115	110
880-5485-7	S-2 5'	110	117
880-5485-8	S-2 10'	109	113
880-5485-9	S-3 1'	119	110
880-5485-10	S-3 3'	109	111
880-5485-11	S-3 5'	119	111
880-5485-12	S-3 10'	103	106
880-5485-13	S-4 1'	108	110
880-5485-14	S-4 3'	104	107
880-5485-15	S-4 5'	103	101
880-5485-16	S-4 10'	105	110
880-5485-17	S-5 1'	97	104
880-5485-18	S-5 3'	107	110
880-5485-19	S-5 5'	106	111
880-5485-20	S-5 8'	104	109
880-5485-21	S-6 1'	100	112
880-5485-21 MS	S-6 1'	103	111
880-5485-21 MSD	S-6 1'	105	110
880-5485-22	S-6 3'	115	106
880-5485-23	S-6 5'	119	99
880-5485-24	S-6 10'	118	74
880-5485-25	S-7 1'	97	89
880-5485-26	S-7 3'	120	100
880-5485-27	S-7 5'	120	103
880-5485-28	S-7 8'	125	98
880-5485-29	S-8 1'	117	99
880-5485-30	S-8 3'	123	99
880-5485-31	S-8 5'	122	100
880-5485-32	S-8 10'	128	98
880-5485-33	S-9 1'	126	98
880-5485-34	S-9 3'	127	97
880-5485-35	S-9 5'	124	95
880-5485-36	S-9 10'	129	95
880-5485-37	S-10 1'	128	94
880-5485-38	S-10 3'	133 S1+	104
880-5485-39	S-10 5'	123	95
880-5485-40	S-10 10'	121	95
880-5485-41	S-13 1'	125	71
880-5485-41 MS	S-13 1'	106	110
880-5485-41 MSD	S-13 1'	132 S1+	86

Eurofins Xenco, Midland

Surrogate Summary

Client: Larson & Associates, Inc.

Job ID: 880-5485-1

Project/Site: Salado Draw WE 24

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)
880-5485-42	S-13 3'	121	104
880-5485-43	S-13 5'	106	74
880-5485-44	S-13 8'	121	99
880-5485-45	S-11 1'	126	101
880-5485-46	S-11 3'	119	90
880-5485-47	S-11 5'	128	100
880-5485-48	S-11 7'	135 S1+	97
880-5485-49	S-15 1'	125	98
880-5485-50	S-15 3'	122	97
880-5485-51	S-15 5'	122	95
880-5485-52	S-15 10'	122	99
880-5485-53	S-14 1'	125	100
880-5485-54	S-14 3'	127	99
880-5485-55	S-14 5'	130	99
880-5485-56	S-14 8'	124	99
880-5485-57	S-12 1'	127	98
880-5485-58	S-12 3'	100	74
880-5485-59	S-12 5'	119	99
880-5485-60	S-12 10'	138 S1+	91
LCS 880-7126/1-A	Lab Control Sample	97	97
LCS 880-7128/1-A	Lab Control Sample	109	106
LCS 880-7130/1-A	Lab Control Sample	115	107
LCS 880-7146/1-A	Lab Control Sample	104	119
LCSD 880-7126/2-A	Lab Control Sample Dup	97	97
LCSD 880-7130/2-A	Lab Control Sample Dup	115	99
LCSD 880-7146/2-A	Lab Control Sample Dup	102	117
MB 880-7125/5-A	Method Blank	124	108
MB 880-7126/5-A	Method Blank	129	101
MB 880-7128/5-A	Method Blank	97	98
MB 880-7130/5-A	Method Blank	116	96
MB 880-7146/5-A	Method Blank	71	103
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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
LCSD 880-7128/2-A	Lab Control Sample Dup		
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Eurofins Xenco, Midland

Surrogate Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-5485-1	S-1 1'	82	93
880-5485-1 MS	S-1 1'	84	88
880-5485-1 MSD	S-1 1'	85	90
880-5485-2	S-1 3'	83	95
880-5485-3	S-1 5'	82	94
880-5485-4	S-1 10'	80	92
880-5485-5	S-2 1'	85	95
880-5485-6	S-2 3'	83	96
880-5485-7	S-2 5'	83	96
880-5485-8	S-2 10'	82	93
880-5485-9	S-3 1'	82	92
880-5485-10	S-3 3'	79	89
880-5485-11	S-3 5'	80	90
880-5485-12	S-3 10'	82	92
880-5485-13	S-4 1'	82	92
880-5485-14	S-4 3'	81	91
880-5485-15	S-4 5'	80	89
880-5485-16	S-4 10'	81	92
880-5485-17	S-5 1'	83	89
880-5485-18	S-5 3'	81	92
880-5485-19	S-5 5'	80	92
880-5485-20	S-5 8'	80	90
880-5485-21	S-6 1'	89	95
880-5485-21 MS	S-6 1'	94	86
880-5485-21 MSD	S-6 1'	95	86
880-5485-22	S-6 3'	90	102
880-5485-23	S-6 5'	91	105
880-5485-24	S-6 10'	91	105
880-5485-25	S-7 1'	90	105
880-5485-26	S-7 3'	90	103
880-5485-27	S-7 5'	87	99
880-5485-28	S-7 8'	91	104
880-5485-29	S-8 1'	90	102
880-5485-30	S-8 3'	90	102
880-5485-31	S-8 5'	90	104
880-5485-32	S-8 10'	89	101
880-5485-33	S-9 1'	91	104
880-5485-34	S-9 3'	91	104
880-5485-35	S-9 5'	91	104
880-5485-36	S-9 10'	89	101
880-5485-37	S-10 1'	90	102
880-5485-38	S-10 3'	93	105
880-5485-39	S-10 5'	91	105
880-5485-40	S-10 10'	91	105
880-5485-41	S-13 1'	86	90
880-5485-41 MS	S-13 1'	83	85
880-5485-41 MSD	S-13 1'	84	90
880-5485-42	S-13 3'	94	101
880-5485-43	S-13 5'	94	103
880-5485-44	S-13 8'	100	107

Eurofins Xenco, Midland

Surrogate Summary

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

Job ID: 880-5485-1
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)
880-5485-45	S-11 1'	100	106
880-5485-46	S-11 3'	104	107
880-5485-47	S-11 5'	89	98
880-5485-48	S-11 7'	88	96
880-5485-49	S-15 1'	90	99
880-5485-50	S-15 3'	102	106
880-5485-51	S-15 5'	106	114
880-5485-52	S-15 10'	89	96
880-5485-53	S-14 1'	89	96
880-5485-54	S-14 3'	102	108
880-5485-55	S-14 5'	89	97
880-5485-56	S-14 8'	104	111
880-5485-57	S-12 1'	103	111
880-5485-58	S-12 3'	89	96
880-5485-59	S-12 5'	92	100
880-5485-60	S-12 10'	98	106
LCS 880-7138/2-A	Lab Control Sample	89	98
LCS 880-7139/2-A	Lab Control Sample	99	103
LCS 880-7141/2-A	Lab Control Sample	99	98
LCSD 880-7138/3-A	Lab Control Sample Dup	88	96
LCSD 880-7139/3-A	Lab Control Sample Dup	101	108
LCSD 880-7141/3-A	Lab Control Sample Dup	102	102
MB 880-7138/1-A	Method Blank	87	101
MB 880-7139/1-A	Method Blank	96	111
MB 880-7141/1-A	Method Blank	92	102

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7125/5-A

Matrix: Solid

Analysis Batch: 7136

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7125

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 11:37	08/26/21 17:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 11:37	08/26/21 17:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 11:37	08/26/21 17:32	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/26/21 11:37	08/26/21 17:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 11:37	08/26/21 17:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/26/21 11:37	08/26/21 17:32	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/26/21 11:37	08/26/21 17:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	08/26/21 11:37	08/26/21 17:32	1
1,4-Difluorobenzene (Surr)	108		70 - 130	08/26/21 11:37	08/26/21 17:32	1

Lab Sample ID: MB 880-7126/5-A

Matrix: Solid

Analysis Batch: 7136

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7126

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 05:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 05:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 05:06	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/26/21 13:01	08/27/21 05:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:01	08/27/21 05:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/26/21 13:01	08/27/21 05:06	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/26/21 13:01	08/27/21 05:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	08/26/21 13:01	08/27/21 05:06	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/26/21 13:01	08/27/21 05:06	1

Lab Sample ID: LCS 880-7126/1-A

Matrix: Solid

Analysis Batch: 7136

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.1006		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1003		mg/Kg		100	70 - 130
m,p-Xylenes	0.200	0.1836		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09217		mg/Kg		92	70 - 130

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

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-7126/2-A

Matrix: Solid

Analysis Batch: 7136

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7126

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1009		mg/Kg		101	70 - 130	3	35
Toluene	0.100	0.09994		mg/Kg		100	70 - 130	1	35
Ethylbenzene	0.100	0.09984		mg/Kg		100	70 - 130	0	35
m,p-Xylenes	0.200	0.1821		mg/Kg		91	70 - 130	1	35
o-Xylene	0.100	0.09338		mg/Kg		93	70 - 130	1	35

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

Lab Sample ID: 880-5485-1 MS

Matrix: Solid

Analysis Batch: 7136

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 7126

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0998	0.05425	F1	mg/Kg		54	70 - 130		
Toluene	<0.00199	U F1	0.0998	0.06596	F1	mg/Kg		66	70 - 130		
Ethylbenzene	<0.00199	U	0.0998	0.07690		mg/Kg		77	70 - 130		
m,p-Xylenes	<0.00398	U	0.200	0.1471		mg/Kg		74	70 - 130		
o-Xylene	<0.00199	U	0.0998	0.07767		mg/Kg		77	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: 880-5485-1 MSD

Matrix: Solid

Analysis Batch: 7136

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 7126

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.06954	F1	mg/Kg		69	70 - 130	25	35
Toluene	<0.00199	U F1	0.100	0.07764		mg/Kg		77	70 - 130	16	35
Ethylbenzene	<0.00199	U	0.100	0.07929		mg/Kg		79	70 - 130	3	35
m,p-Xylenes	<0.00398	U	0.200	0.1542		mg/Kg		77	70 - 130	5	35
o-Xylene	<0.00199	U	0.100	0.07891		mg/Kg		78	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-7128/5-A

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7128

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 12:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 12:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 12:26	1

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Lab Sample ID: MB 880-7128/5-A

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7128

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/26/21 13:09	08/27/21 12:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:09	08/27/21 12:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/26/21 13:09	08/27/21 12:26	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/26/21 13:09	08/27/21 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/26/21 13:09	08/27/21 12:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/26/21 13:09	08/27/21 12:26	1

Lab Sample ID: LCS 880-7128/1-A

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09383		mg/Kg		94	70 - 130
Toluene	0.100	0.08786		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08541		mg/Kg		85	70 - 130
m,p-Xylenes	0.200	0.1756		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08712		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-7128/2-A

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7128

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09552		mg/Kg					
Toluene	0.100	0.08942		mg/Kg					
Ethylbenzene	0.100	0.08683		mg/Kg					
m,p-Xylenes	0.200	0.1649		mg/Kg					
o-Xylene	0.100	0.08930		mg/Kg					

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

Lab Sample ID: 880-5485-21 MS

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 7128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00201	U	0.0998	0.08080		mg/Kg		81	70 - 130
Toluene	<0.00201	U F1	0.0998	0.06678	F1	mg/Kg		66	70 - 130
Ethylbenzene	<0.00201	U F1	0.0998	0.05660	F1	mg/Kg		57	70 - 130
m,p-Xylenes	<0.00402	U F1	0.200	0.1140	F1	mg/Kg		57	70 - 130

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QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Lab Sample ID: 880-5485-21 MS

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 7128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.00201	U F1	0.0998	0.05700	F1	mg/Kg		57	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: 880-5485-21 MSD

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 7128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.08482		mg/Kg		85	70 - 130	5	35
Toluene	<0.00201	U F1	0.0994	0.06938	F1	mg/Kg		69	70 - 130	4	35
Ethylbenzene	<0.00201	U F1	0.0994	0.05752	F1	mg/Kg		58	70 - 130	2	35
m,p-Xylenes	<0.00402	U F1	0.199	0.1157	F1	mg/Kg		58	70 - 130	2	35
o-Xylene	<0.00201	U F1	0.0994	0.05636	F1	mg/Kg		56	70 - 130	1	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	110		70 - 130								

Lab Sample ID: MB 880-7130/5-A

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7130

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/27/21 23:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/27/21 23:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/27/21 23:18	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/26/21 13:13	08/27/21 23:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 13:13	08/27/21 23:18	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/26/21 13:13	08/27/21 23:18	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/26/21 13:13	08/27/21 23:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits					
4-Bromofluorobenzene (Surr)	116		70 - 130					
1,4-Difluorobenzene (Surr)	96		70 - 130					

Lab Sample ID: LCS 880-7130/1-A

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09644		mg/Kg		96	70 - 130
Toluene	0.100	0.08900		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08927		mg/Kg		89	70 - 130
m,p-Xylenes	0.200	0.1843		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09249		mg/Kg		92	70 - 130

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-7130/2-A

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09140		mg/Kg		91	70 - 130	5	35
Toluene	0.100	0.08248		mg/Kg		82	70 - 130	8	35
Ethylbenzene	0.100	0.08595		mg/Kg		86	70 - 130	4	35
m,p-Xylenes	0.200	0.1779		mg/Kg		89	70 - 130	4	35
o-Xylene	0.100	0.08978		mg/Kg		90	70 - 130	3	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-5485-41 MS

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: S-13 1'

Prep Type: Total/NA

Prep Batch: 7130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0998	0.06181	F1	mg/Kg		62	70 - 130		
Toluene	<0.00200	U F1 F2	0.0998	0.04884	F1	mg/Kg		49	70 - 130		
Ethylbenzene	<0.00200	U F1 F2	0.0998	0.03754	F1	mg/Kg		38	70 - 130		
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.07410	F1	mg/Kg		37	70 - 130		
o-Xylene	<0.00200	U F1 F2	0.0998	0.03794	F1	mg/Kg		38	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-5485-41 MSD

Matrix: Solid

Analysis Batch: 7156

Client Sample ID: S-13 1'

Prep Type: Total/NA

Prep Batch: 7130

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.02773	F1 F2	mg/Kg		28	70 - 130	76	35
Toluene	<0.00200	U F1 F2	0.100	0.03235	F1 F2	mg/Kg		32	70 - 130	41	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.02210	F1 F2	mg/Kg		22	70 - 130	52	35
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.04712	F1 F2	mg/Kg		24	70 - 130	45	35
o-Xylene	<0.00200	U F1 F2	0.100	0.02262	F1 F2	mg/Kg		23	70 - 130	51	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Lab Sample ID: MB 880-7146/5-A

Matrix: Solid

Analysis Batch: 7183

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7146

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/26/21 15:44	08/27/21 18:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/26/21 15:44	08/27/21 18:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/26/21 15:44	08/27/21 18:33	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/26/21 15:44	08/27/21 18:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/26/21 15:44	08/27/21 18:33	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/26/21 15:44	08/27/21 18:33	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/26/21 15:44	08/27/21 18:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	08/26/21 15:44	08/27/21 18:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/26/21 15:44	08/27/21 18:33	1

Lab Sample ID: LCS 880-7146/1-A

Matrix: Solid

Analysis Batch: 7183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7146

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	0.1090		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1101		mg/Kg		110	70 - 130
m,p-Xylenes	0.200	0.2207		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1059		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: LCSD 880-7146/2-A

Matrix: Solid

Analysis Batch: 7183

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1028		mg/Kg		103	70 - 130	4	35
Toluene	0.100	0.09447		mg/Kg		94	70 - 130	14	35
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130	5	35
m,p-Xylenes	0.200	0.2119		mg/Kg		106	70 - 130	4	35
o-Xylene	0.100	0.1033		mg/Kg		103	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: 880-5484-A-6-B MS

Matrix: Solid

Analysis Batch: 7183

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 7146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0998	0.08001		mg/Kg		80	70 - 130

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Lab Sample ID: 880-5484-A-6-B MS

Matrix: Solid

Analysis Batch: 7183

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 7146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U	0.0998	0.08089		mg/Kg		81	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.08443		mg/Kg		85	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1703		mg/Kg		85	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08328		mg/Kg		83	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	123		70 - 130						

Lab Sample ID: 880-5484-A-6-C MSD

Matrix: Solid

Analysis Batch: 7183

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 7146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.1008		mg/Kg		100	70 - 130	23	35
Toluene	<0.00200	U	0.101	0.09667		mg/Kg		96	70 - 130	18	35
Ethylbenzene	<0.00200	U	0.101	0.1046		mg/Kg		104	70 - 130	21	35
m,p-Xylenes	<0.00399	U	0.202	0.2111		mg/Kg		105	70 - 130	21	35
o-Xylene	<0.00200	U	0.101	0.1031		mg/Kg		102	70 - 130	21	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	119		70 - 130								
1,4-Difluorobenzene (Surr)	124		70 - 130								

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

Lab Sample ID: MB 880-7138/1-A

Matrix: Solid

Analysis Batch: 7099

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7138

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		08/26/21 14:33	08/26/21 21:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/26/21 21:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/26/21 21:01	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:33	08/26/21 21:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			08/26/21 14:33	08/26/21 21:01	1
o-Terphenyl (Surr)	101		70 - 130			08/26/21 14:33	08/26/21 21:01	1

Lab Sample ID: LCS 880-7138/2-A

Matrix: Solid

Analysis Batch: 7099

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	848.5		mg/Kg		85	70 - 130

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Lab Sample ID: LCS 880-7138/2-A

Matrix: Solid

Analysis Batch: 7099

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7138

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier				Limits		
Diesel Range Organics (Over C10-C28)			1000	959.8		mg/Kg		96	70 - 130		
Surrogate	LCS		Limits	LCS							
	%Recovery	Qualifier		Qualifier							
1-Chlorooctane (Surr)	89		70 - 130								
o-Terphenyl (Surr)	98		70 - 130								

Lab Sample ID: LCSD 880-7138/3-A

Matrix: Solid

Analysis Batch: 7099

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7138

Top Data: Results											
Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
			Added	Result	Qualifier				Limits	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	869.5		mg/Kg		87	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	962.1		mg/Kg		96	70 - 130	0	20
Bottom Data: Surrogate Recovery											
Surrogate	%Recovery	LCSD		Limits							
		Qualifier	Qualifier								
1-Chlorooctane (Surr)	88			70 - 130							
o-Terphenyl (Surr)	96			70 - 130							

Lab Sample ID: 880-5485-1 MS

Matrix: Solid

Analysis Batch: 7099

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 7138

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	713.1		mg/Kg		72	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	749.9		mg/Kg		75	70 - 130		

Lab Sample ID: 880-5485-1 MSD

Matrix: Solid

Analysis Batch: 7099

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 7138

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	794.7		mg/Kg		80	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	770.7		mg/Kg		77	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	85		70 - 130								
o-Terphenyl (Surr)	90		70 - 130								

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Lab Sample ID: MB 880-7139/1-A

Matrix: Solid

Analysis Batch: 7166

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7139

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		08/26/21 14:48	08/27/21 12:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 12:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 12:32	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 14:48	08/27/21 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130	08/26/21 14:48	08/27/21 12:32	1
o-Terphenyl (Surr)	111		70 - 130	08/26/21 14:48	08/27/21 12:32	1

Lab Sample ID: LCS 880-7139/2-A

Matrix: Solid

Analysis Batch: 7166

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	983.1		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1072		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-7139/3-A

Matrix: Solid

Analysis Batch: 7166

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7139

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	902.5		mg/Kg		90	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1086		mg/Kg		109	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	108		70 - 130

Lab Sample ID: 880-5485-21 MS

Matrix: Solid

Analysis Batch: 7166

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 7139

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	995	804.0		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	909		995	1862		mg/Kg		96	70 - 130

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Lab Sample ID: 880-5485-21 MS

Matrix: Solid

Analysis Batch: 7166

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 7139

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	94		70 - 130
o-Terphenyl (Surr)	86		70 - 130

Lab Sample ID: 880-5485-21 MSD

Matrix: Solid

Analysis Batch: 7166

Client Sample ID: S-6 1'

Prep Type: Total/NA

Prep Batch: 7139

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	808.4		mg/Kg		78	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	909		998	1892		mg/Kg		99	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	95		70 - 130
o-Terphenyl (Surr)	86		70 - 130

Lab Sample ID: MB 880-7141/1-A

Matrix: Solid

Analysis Batch: 7169

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7141

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		08/26/21 15:06	08/27/21 12:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 12:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 12:32	1
Total TPH	<50.0	U	50.0	mg/Kg		08/26/21 15:06	08/27/21 12:32	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane (Surr)	92		70 - 130	08/26/21 15:06	08/27/21 12:32	1
o-Terphenyl (Surr)	102		70 - 130	08/26/21 15:06	08/27/21 12:32	1

Lab Sample ID: LCS 880-7141/2-A

Matrix: Solid

Analysis Batch: 7169

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	956.1		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	921.0		mg/Kg		92	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Lab Sample ID: LCSD 880-7141/3-A

Matrix: Solid

Analysis Batch: 7169

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7141

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	952.5		mg/Kg		95	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	957.7		mg/Kg		96	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	102		70 - 130						
o-Terphenyl (Surr)	102		70 - 130						

Lab Sample ID: 880-5485-41 MS

Matrix: Solid

Analysis Batch: 7169

Client Sample ID: S-13 1'

Prep Type: Total/NA

Prep Batch: 7141

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	<50.0	U	995	958.6		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	1820	F1	995	2510	F1	mg/Kg		69	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	83		70 - 130								
o-Terphenyl (Surr)	85		70 - 130								

Lab Sample ID: 880-5485-41 MSD

Matrix: Solid

Analysis Batch: 7169

Client Sample ID: S-13 1'

Prep Type: Total/NA

Prep Batch: 7141

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	983.0		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1820	F1	998	2664		mg/Kg		85	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	84		70 - 130								
o-Terphenyl (Surr)	90		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7120/1-A

Matrix: Solid

Analysis Batch: 7189

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			08/27/21 16:43	1

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-7120/2-A

Matrix: Solid

Analysis Batch: 7189

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	265.4		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-7120/3-A

Matrix: Solid

Analysis Batch: 7189

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	268.8		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 880-5484-A-3-B MS

Matrix: Solid

Analysis Batch: 7189

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	177	F1	251	470.5	F1	mg/Kg		117	90 - 110

Lab Sample ID: 880-5484-A-3-C MSD

Matrix: Solid

Analysis Batch: 7189

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	177	F1	251	449.8		mg/Kg		109	90 - 110	5	20

Lab Sample ID: MB 880-7121/1-A

Matrix: Solid

Analysis Batch: 7190

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			08/27/21 20:01	1

Lab Sample ID: LCS 880-7121/2-A

Matrix: Solid

Analysis Batch: 7190

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	253.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-7121/3-A

Matrix: Solid

Analysis Batch: 7190

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	251.2		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-5485-53 MS

Matrix: Solid

Analysis Batch: 7190

Client Sample ID: S-14 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	39.2		249	297.6		mg/Kg		104	90 - 110

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-5485-53 MSD

Matrix: Solid

Analysis Batch: 7190

Client Sample ID: S-14 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	39.2		249	296.2		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-7122/1-A

Matrix: Solid

Analysis Batch: 7194

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			08/28/21 02:15	1

Lab Sample ID: LCS 880-7122/2-A

Matrix: Solid

Analysis Batch: 7194

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	242.1		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-7122/3-A

Matrix: Solid

Analysis Batch: 7194

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	266.1		mg/Kg		106	90 - 110	9	20

Lab Sample ID: 880-5485-4 MS

Matrix: Solid

Analysis Batch: 7194

Client Sample ID: S-1 10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	17.8		250	275.5		mg/Kg		103	90 - 110

Lab Sample ID: 880-5485-4 MSD

Matrix: Solid

Analysis Batch: 7194

Client Sample ID: S-1 10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	17.8		250	263.7		mg/Kg		99	90 - 110	4	20

Lab Sample ID: 880-5485-14 MS

Matrix: Solid

Analysis Batch: 7194

Client Sample ID: S-4 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.94		253	286.0		mg/Kg		110	90 - 110

Lab Sample ID: 880-5485-14 MSD

Matrix: Solid

Analysis Batch: 7194

Client Sample ID: S-4 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.94		253	272.9		mg/Kg		105	90 - 110	5	20

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-5485-1
SDG: 21-0100-07

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7123/1-A

Matrix: Solid

Analysis Batch: 7195

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			08/28/21 08:45	1

Lab Sample ID: LCS 880-7123/2-A

Matrix: Solid

Analysis Batch: 7195

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	266.1		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-7123/3-A

Matrix: Solid

Analysis Batch: 7195

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	250.8		mg/Kg		100	90 - 110	6	20

Lab Sample ID: 880-5485-24 MS

Matrix: Solid

Analysis Batch: 7195

Client Sample ID: S-6 10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	52.5	F1	250	311.8		mg/Kg		104	90 - 110

Lab Sample ID: 880-5485-24 MSD

Matrix: Solid

Analysis Batch: 7195

Client Sample ID: S-6 10'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	52.5	F1	250	334.9	F1	mg/Kg		113	90 - 110	7	20

Lab Sample ID: 880-5485-34 MS

Matrix: Solid

Analysis Batch: 7195

Client Sample ID: S-9 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	35.9		248	289.0		mg/Kg		102	90 - 110

Lab Sample ID: 880-5485-34 MSD

Matrix: Solid

Analysis Batch: 7195

Client Sample ID: S-9 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	35.9		248	305.4		mg/Kg		109	90 - 110	5	20

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

GC VOA

Prep Batch: 7125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7125/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 7126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-1	S-1 1'	Total/NA	Solid	5035	
880-5485-2	S-1 3'	Total/NA	Solid	5035	
880-5485-3	S-1 5'	Total/NA	Solid	5035	
880-5485-4	S-1 10'	Total/NA	Solid	5035	
880-5485-5	S-2 1'	Total/NA	Solid	5035	
880-5485-6	S-2 3'	Total/NA	Solid	5035	
880-5485-7	S-2 5'	Total/NA	Solid	5035	
880-5485-8	S-2 10'	Total/NA	Solid	5035	
880-5485-9	S-3 1'	Total/NA	Solid	5035	
880-5485-10	S-3 3'	Total/NA	Solid	5035	
880-5485-12	S-3 10'	Total/NA	Solid	5035	
880-5485-13	S-4 1'	Total/NA	Solid	5035	
880-5485-14	S-4 3'	Total/NA	Solid	5035	
880-5485-15	S-4 5'	Total/NA	Solid	5035	
880-5485-16	S-4 10'	Total/NA	Solid	5035	
880-5485-17	S-5 1'	Total/NA	Solid	5035	
880-5485-18	S-5 3'	Total/NA	Solid	5035	
880-5485-19	S-5 5'	Total/NA	Solid	5035	
880-5485-20	S-5 8'	Total/NA	Solid	5035	
MB 880-7126/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7126/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7126/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5485-1 MS	S-1 1'	Total/NA	Solid	5035	
880-5485-1 MSD	S-1 1'	Total/NA	Solid	5035	

Prep Batch: 7128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-21	S-6 1'	Total/NA	Solid	5035	
880-5485-22	S-6 3'	Total/NA	Solid	5035	
880-5485-23	S-6 5'	Total/NA	Solid	5035	
880-5485-24	S-6 10'	Total/NA	Solid	5035	
880-5485-25	S-7 1'	Total/NA	Solid	5035	
880-5485-26	S-7 3'	Total/NA	Solid	5035	
880-5485-27	S-7 5'	Total/NA	Solid	5035	
880-5485-28	S-7 8'	Total/NA	Solid	5035	
880-5485-29	S-8 1'	Total/NA	Solid	5035	
880-5485-30	S-8 3'	Total/NA	Solid	5035	
880-5485-31	S-8 5'	Total/NA	Solid	5035	
880-5485-32	S-8 10'	Total/NA	Solid	5035	
880-5485-33	S-9 1'	Total/NA	Solid	5035	
880-5485-34	S-9 3'	Total/NA	Solid	5035	
880-5485-35	S-9 5'	Total/NA	Solid	5035	
880-5485-36	S-9 10'	Total/NA	Solid	5035	
880-5485-37	S-10 1'	Total/NA	Solid	5035	
880-5485-38	S-10 3'	Total/NA	Solid	5035	
880-5485-39	S-10 5'	Total/NA	Solid	5035	
880-5485-40	S-10 10'	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

GC VOA (Continued)

Prep Batch: 7128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7128/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7128/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7128/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5485-21 MS	S-6 1'	Total/NA	Solid	5035	
880-5485-21 MSD	S-6 1'	Total/NA	Solid	5035	

Prep Batch: 7130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-41	S-13 1'	Total/NA	Solid	5035	
880-5485-42	S-13 3'	Total/NA	Solid	5035	
880-5485-43	S-13 5'	Total/NA	Solid	5035	
880-5485-44	S-13 8'	Total/NA	Solid	5035	
880-5485-45	S-11 1'	Total/NA	Solid	5035	
880-5485-46	S-11 3'	Total/NA	Solid	5035	
880-5485-47	S-11 5'	Total/NA	Solid	5035	
880-5485-48	S-11 7'	Total/NA	Solid	5035	
880-5485-49	S-15 1'	Total/NA	Solid	5035	
880-5485-50	S-15 3'	Total/NA	Solid	5035	
880-5485-51	S-15 5'	Total/NA	Solid	5035	
880-5485-52	S-15 10'	Total/NA	Solid	5035	
880-5485-53	S-14 1'	Total/NA	Solid	5035	
880-5485-54	S-14 3'	Total/NA	Solid	5035	
880-5485-55	S-14 5'	Total/NA	Solid	5035	
880-5485-56	S-14 8'	Total/NA	Solid	5035	
880-5485-57	S-12 1'	Total/NA	Solid	5035	
880-5485-58	S-12 3'	Total/NA	Solid	5035	
880-5485-59	S-12 5'	Total/NA	Solid	5035	
880-5485-60	S-12 10'	Total/NA	Solid	5035	
MB 880-7130/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7130/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7130/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5485-41 MS	S-13 1'	Total/NA	Solid	5035	
880-5485-41 MSD	S-13 1'	Total/NA	Solid	5035	

Analysis Batch: 7136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-1	S-1 1'	Total/NA	Solid	8021B	7126
880-5485-2	S-1 3'	Total/NA	Solid	8021B	7126
880-5485-3	S-1 5'	Total/NA	Solid	8021B	7126
880-5485-4	S-1 10'	Total/NA	Solid	8021B	7126
880-5485-5	S-2 1'	Total/NA	Solid	8021B	7126
880-5485-6	S-2 3'	Total/NA	Solid	8021B	7126
880-5485-7	S-2 5'	Total/NA	Solid	8021B	7126
880-5485-8	S-2 10'	Total/NA	Solid	8021B	7126
880-5485-9	S-3 1'	Total/NA	Solid	8021B	7126
880-5485-10	S-3 3'	Total/NA	Solid	8021B	7126
880-5485-12	S-3 10'	Total/NA	Solid	8021B	7126
880-5485-13	S-4 1'	Total/NA	Solid	8021B	7126
880-5485-14	S-4 3'	Total/NA	Solid	8021B	7126
880-5485-15	S-4 5'	Total/NA	Solid	8021B	7126
880-5485-16	S-4 10'	Total/NA	Solid	8021B	7126

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

GC VOA (Continued)

Analysis Batch: 7136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-17	S-5 1'	Total/NA	Solid	8021B	7126
880-5485-18	S-5 3'	Total/NA	Solid	8021B	7126
880-5485-19	S-5 5'	Total/NA	Solid	8021B	7126
880-5485-20	S-5 8'	Total/NA	Solid	8021B	7126
MB 880-7125/5-A	Method Blank	Total/NA	Solid	8021B	7125
MB 880-7126/5-A	Method Blank	Total/NA	Solid	8021B	7126
LCS 880-7126/1-A	Lab Control Sample	Total/NA	Solid	8021B	7126
LCSD 880-7126/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7126
880-5485-1 MS	S-1 1'	Total/NA	Solid	8021B	7126
880-5485-1 MSD	S-1 1'	Total/NA	Solid	8021B	7126

Prep Batch: 7146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-11	S-3 5'	Total/NA	Solid	5035	
MB 880-7146/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7146/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7146/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5484-A-6-B MS	Matrix Spike	Total/NA	Solid	5035	
880-5484-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 7156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-21	S-6 1'	Total/NA	Solid	8021B	7128
880-5485-22	S-6 3'	Total/NA	Solid	8021B	7128
880-5485-23	S-6 5'	Total/NA	Solid	8021B	7128
880-5485-24	S-6 10'	Total/NA	Solid	8021B	7128
880-5485-25	S-7 1'	Total/NA	Solid	8021B	7128
880-5485-26	S-7 3'	Total/NA	Solid	8021B	7128
880-5485-27	S-7 5'	Total/NA	Solid	8021B	7128
880-5485-28	S-7 8'	Total/NA	Solid	8021B	7128
880-5485-29	S-8 1'	Total/NA	Solid	8021B	7128
880-5485-30	S-8 3'	Total/NA	Solid	8021B	7128
880-5485-31	S-8 5'	Total/NA	Solid	8021B	7128
880-5485-32	S-8 10'	Total/NA	Solid	8021B	7128
880-5485-33	S-9 1'	Total/NA	Solid	8021B	7128
880-5485-34	S-9 3'	Total/NA	Solid	8021B	7128
880-5485-35	S-9 5'	Total/NA	Solid	8021B	7128
880-5485-36	S-9 10'	Total/NA	Solid	8021B	7128
880-5485-37	S-10 1'	Total/NA	Solid	8021B	7128
880-5485-38	S-10 3'	Total/NA	Solid	8021B	7128
880-5485-39	S-10 5'	Total/NA	Solid	8021B	7128
880-5485-40	S-10 10'	Total/NA	Solid	8021B	7128
880-5485-41	S-10 1'	Total/NA	Solid	8021B	7130
880-5485-42	S-13 3'	Total/NA	Solid	8021B	7130
880-5485-43	S-13 5'	Total/NA	Solid	8021B	7130
880-5485-44	S-13 8'	Total/NA	Solid	8021B	7130
880-5485-45	S-11 1'	Total/NA	Solid	8021B	7130
880-5485-46	S-11 3'	Total/NA	Solid	8021B	7130
880-5485-47	S-11 5'	Total/NA	Solid	8021B	7130
880-5485-48	S-11 7'	Total/NA	Solid	8021B	7130
880-5485-49	S-15 1'	Total/NA	Solid	8021B	7130

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

GC VOA (Continued)

Analysis Batch: 7156 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-50	S-15 3'	Total/NA	Solid	8021B	7130
880-5485-51	S-15 5'	Total/NA	Solid	8021B	7130
880-5485-52	S-15 10'	Total/NA	Solid	8021B	7130
880-5485-53	S-14 1'	Total/NA	Solid	8021B	7130
880-5485-54	S-14 3'	Total/NA	Solid	8021B	7130
880-5485-55	S-14 5'	Total/NA	Solid	8021B	7130
880-5485-56	S-14 8'	Total/NA	Solid	8021B	7130
880-5485-57	S-12 1'	Total/NA	Solid	8021B	7130
880-5485-58	S-12 3'	Total/NA	Solid	8021B	7130
880-5485-59	S-12 5'	Total/NA	Solid	8021B	7130
880-5485-60	S-12 10'	Total/NA	Solid	8021B	7130
MB 880-7128/5-A	Method Blank	Total/NA	Solid	8021B	7128
MB 880-7130/5-A	Method Blank	Total/NA	Solid	8021B	7130
LCS 880-7128/1-A	Lab Control Sample	Total/NA	Solid	8021B	7128
LCS 880-7130/1-A	Lab Control Sample	Total/NA	Solid	8021B	7130
LCSD 880-7128/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7128
LCSD 880-7130/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7130
880-5485-21 MS	S-6 1'	Total/NA	Solid	8021B	7128
880-5485-21 MSD	S-6 1'	Total/NA	Solid	8021B	7128
880-5485-41 MS	S-13 1'	Total/NA	Solid	8021B	7130
880-5485-41 MSD	S-13 1'	Total/NA	Solid	8021B	7130

Analysis Batch: 7183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-11	S-3 5'	Total/NA	Solid	8021B	7146
MB 880-7146/5-A	Method Blank	Total/NA	Solid	8021B	7146
LCS 880-7146/1-A	Lab Control Sample	Total/NA	Solid	8021B	7146
LCSD 880-7146/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7146
880-5484-A-6-B MS	Matrix Spike	Total/NA	Solid	8021B	7146
880-5484-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7146

GC Semi VOA

Analysis Batch: 7099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-1	S-1 1'	Total/NA	Solid	8015B NM	7138
880-5485-2	S-1 3'	Total/NA	Solid	8015B NM	7138
880-5485-3	S-1 5'	Total/NA	Solid	8015B NM	7138
880-5485-4	S-1 10'	Total/NA	Solid	8015B NM	7138
880-5485-5	S-2 1'	Total/NA	Solid	8015B NM	7138
880-5485-6	S-2 3'	Total/NA	Solid	8015B NM	7138
880-5485-7	S-2 5'	Total/NA	Solid	8015B NM	7138
880-5485-8	S-2 10'	Total/NA	Solid	8015B NM	7138
880-5485-9	S-3 1'	Total/NA	Solid	8015B NM	7138
880-5485-10	S-3 3'	Total/NA	Solid	8015B NM	7138
880-5485-11	S-3 5'	Total/NA	Solid	8015B NM	7138
880-5485-12	S-3 10'	Total/NA	Solid	8015B NM	7138
880-5485-13	S-4 1'	Total/NA	Solid	8015B NM	7138
880-5485-14	S-4 3'	Total/NA	Solid	8015B NM	7138
880-5485-15	S-4 5'	Total/NA	Solid	8015B NM	7138
880-5485-16	S-4 10'	Total/NA	Solid	8015B NM	7138

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Analysis Batch: 7099 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-17	S-5 1'	Total/NA	Solid	8015B NM	7138
880-5485-18	S-5 3'	Total/NA	Solid	8015B NM	7138
880-5485-19	S-5 5'	Total/NA	Solid	8015B NM	7138
880-5485-20	S-5 8'	Total/NA	Solid	8015B NM	7138
MB 880-7138/1-A	Method Blank	Total/NA	Solid	8015B NM	7138
LCS 880-7138/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7138
LCSD 880-7138/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7138
880-5485-1 MS	S-1 1'	Total/NA	Solid	8015B NM	7138
880-5485-1 MSD	S-1 1'	Total/NA	Solid	8015B NM	7138

Prep Batch: 7138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-1	S-1 1'	Total/NA	Solid	8015NM Prep	
880-5485-2	S-1 3'	Total/NA	Solid	8015NM Prep	
880-5485-3	S-1 5'	Total/NA	Solid	8015NM Prep	
880-5485-4	S-1 10'	Total/NA	Solid	8015NM Prep	
880-5485-5	S-2 1'	Total/NA	Solid	8015NM Prep	
880-5485-6	S-2 3'	Total/NA	Solid	8015NM Prep	
880-5485-7	S-2 5'	Total/NA	Solid	8015NM Prep	
880-5485-8	S-2 10'	Total/NA	Solid	8015NM Prep	
880-5485-9	S-3 1'	Total/NA	Solid	8015NM Prep	
880-5485-10	S-3 3'	Total/NA	Solid	8015NM Prep	
880-5485-11	S-3 5'	Total/NA	Solid	8015NM Prep	
880-5485-12	S-3 10'	Total/NA	Solid	8015NM Prep	
880-5485-13	S-4 1'	Total/NA	Solid	8015NM Prep	
880-5485-14	S-4 3'	Total/NA	Solid	8015NM Prep	
880-5485-15	S-4 5'	Total/NA	Solid	8015NM Prep	
880-5485-16	S-4 10'	Total/NA	Solid	8015NM Prep	
880-5485-17	S-5 1'	Total/NA	Solid	8015NM Prep	
880-5485-18	S-5 3'	Total/NA	Solid	8015NM Prep	
880-5485-19	S-5 5'	Total/NA	Solid	8015NM Prep	
880-5485-20	S-5 8'	Total/NA	Solid	8015NM Prep	
MB 880-7138/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7138/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7138/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5485-1 MS	S-1 1'	Total/NA	Solid	8015NM Prep	
880-5485-1 MSD	S-1 1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 7139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-21	S-6 1'	Total/NA	Solid	8015NM Prep	
880-5485-22	S-6 3'	Total/NA	Solid	8015NM Prep	
880-5485-23	S-6 5'	Total/NA	Solid	8015NM Prep	
880-5485-24	S-6 10'	Total/NA	Solid	8015NM Prep	
880-5485-25	S-7 1'	Total/NA	Solid	8015NM Prep	
880-5485-26	S-7 3'	Total/NA	Solid	8015NM Prep	
880-5485-27	S-7 5'	Total/NA	Solid	8015NM Prep	
880-5485-28	S-7 8'	Total/NA	Solid	8015NM Prep	
880-5485-29	S-8 1'	Total/NA	Solid	8015NM Prep	
880-5485-30	S-8 3'	Total/NA	Solid	8015NM Prep	
880-5485-31	S-8 5'	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Prep Batch: 7139 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-32	S-8 10'	Total/NA	Solid	8015NM Prep	
880-5485-33	S-9 1'	Total/NA	Solid	8015NM Prep	
880-5485-34	S-9 3'	Total/NA	Solid	8015NM Prep	
880-5485-35	S-9 5'	Total/NA	Solid	8015NM Prep	
880-5485-36	S-9 10'	Total/NA	Solid	8015NM Prep	
880-5485-37	S-10 1'	Total/NA	Solid	8015NM Prep	
880-5485-38	S-10 3'	Total/NA	Solid	8015NM Prep	
880-5485-39	S-10 5'	Total/NA	Solid	8015NM Prep	
880-5485-40	S-10 10'	Total/NA	Solid	8015NM Prep	
MB 880-7139/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7139/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7139/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5485-21 MS	S-6 1'	Total/NA	Solid	8015NM Prep	
880-5485-21 MSD	S-6 1'	Total/NA	Solid	8015NM Prep	

Prep Batch: 7141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-41	S-13 1'	Total/NA	Solid	8015NM Prep	
880-5485-42	S-13 3'	Total/NA	Solid	8015NM Prep	
880-5485-43	S-13 5'	Total/NA	Solid	8015NM Prep	
880-5485-44	S-13 8'	Total/NA	Solid	8015NM Prep	
880-5485-45	S-11 1'	Total/NA	Solid	8015NM Prep	
880-5485-46	S-11 3'	Total/NA	Solid	8015NM Prep	
880-5485-47	S-11 5'	Total/NA	Solid	8015NM Prep	
880-5485-48	S-11 7'	Total/NA	Solid	8015NM Prep	
880-5485-49	S-15 1'	Total/NA	Solid	8015NM Prep	
880-5485-50	S-15 3'	Total/NA	Solid	8015NM Prep	
880-5485-51	S-15 5'	Total/NA	Solid	8015NM Prep	
880-5485-52	S-15 10'	Total/NA	Solid	8015NM Prep	
880-5485-53	S-14 1'	Total/NA	Solid	8015NM Prep	
880-5485-54	S-14 3'	Total/NA	Solid	8015NM Prep	
880-5485-55	S-14 5'	Total/NA	Solid	8015NM Prep	
880-5485-56	S-14 8'	Total/NA	Solid	8015NM Prep	
880-5485-57	S-12 1'	Total/NA	Solid	8015NM Prep	
880-5485-58	S-12 3'	Total/NA	Solid	8015NM Prep	
880-5485-59	S-12 5'	Total/NA	Solid	8015NM Prep	
880-5485-60	S-12 10'	Total/NA	Solid	8015NM Prep	
MB 880-7141/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7141/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7141/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5485-41 MS	S-13 1'	Total/NA	Solid	8015NM Prep	
880-5485-41 MSD	S-13 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 7166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-21	S-6 1'	Total/NA	Solid	8015B NM	7139
880-5485-22	S-6 3'	Total/NA	Solid	8015B NM	7139
880-5485-23	S-6 5'	Total/NA	Solid	8015B NM	7139
880-5485-24	S-6 10'	Total/NA	Solid	8015B NM	7139
880-5485-25	S-7 1'	Total/NA	Solid	8015B NM	7139
880-5485-26	S-7 3'	Total/NA	Solid	8015B NM	7139

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

GC Semi VOA (Continued)

Analysis Batch: 7166 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-27	S-7 5'	Total/NA	Solid	8015B NM	7139
880-5485-28	S-7 8'	Total/NA	Solid	8015B NM	7139
880-5485-29	S-8 1'	Total/NA	Solid	8015B NM	7139
880-5485-30	S-8 3'	Total/NA	Solid	8015B NM	7139
880-5485-31	S-8 5'	Total/NA	Solid	8015B NM	7139
880-5485-32	S-8 10'	Total/NA	Solid	8015B NM	7139
880-5485-33	S-9 1'	Total/NA	Solid	8015B NM	7139
880-5485-34	S-9 3'	Total/NA	Solid	8015B NM	7139
880-5485-35	S-9 5'	Total/NA	Solid	8015B NM	7139
880-5485-36	S-9 10'	Total/NA	Solid	8015B NM	7139
880-5485-37	S-10 1'	Total/NA	Solid	8015B NM	7139
880-5485-38	S-10 3'	Total/NA	Solid	8015B NM	7139
880-5485-39	S-10 5'	Total/NA	Solid	8015B NM	7139
880-5485-40	S-10 10'	Total/NA	Solid	8015B NM	7139
MB 880-7139/1-A	Method Blank	Total/NA	Solid	8015B NM	7139
LCS 880-7139/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7139
LCSD 880-7139/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7139
880-5485-21 MS	S-6 1'	Total/NA	Solid	8015B NM	7139
880-5485-21 MSD	S-6 1'	Total/NA	Solid	8015B NM	7139

Analysis Batch: 7169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-41	S-13 1'	Total/NA	Solid	8015B NM	7141
880-5485-42	S-13 3'	Total/NA	Solid	8015B NM	7141
880-5485-43	S-13 5'	Total/NA	Solid	8015B NM	7141
880-5485-44	S-13 8'	Total/NA	Solid	8015B NM	7141
880-5485-45	S-11 1'	Total/NA	Solid	8015B NM	7141
880-5485-46	S-11 3'	Total/NA	Solid	8015B NM	7141
880-5485-47	S-11 5'	Total/NA	Solid	8015B NM	7141
880-5485-48	S-11 7'	Total/NA	Solid	8015B NM	7141
880-5485-49	S-15 1'	Total/NA	Solid	8015B NM	7141
880-5485-50	S-15 3'	Total/NA	Solid	8015B NM	7141
880-5485-51	S-15 5'	Total/NA	Solid	8015B NM	7141
880-5485-52	S-15 10'	Total/NA	Solid	8015B NM	7141
880-5485-53	S-14 1'	Total/NA	Solid	8015B NM	7141
880-5485-54	S-14 3'	Total/NA	Solid	8015B NM	7141
880-5485-55	S-14 5'	Total/NA	Solid	8015B NM	7141
880-5485-56	S-14 8'	Total/NA	Solid	8015B NM	7141
880-5485-57	S-12 1'	Total/NA	Solid	8015B NM	7141
880-5485-58	S-12 3'	Total/NA	Solid	8015B NM	7141
880-5485-59	S-12 5'	Total/NA	Solid	8015B NM	7141
880-5485-60	S-12 10'	Total/NA	Solid	8015B NM	7141
MB 880-7141/1-A	Method Blank	Total/NA	Solid	8015B NM	7141
LCS 880-7141/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7141
LCSD 880-7141/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7141
880-5485-41 MS	S-13 1'	Total/NA	Solid	8015B NM	7141
880-5485-41 MSD	S-13 1'	Total/NA	Solid	8015B NM	7141

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

HPLC/IC

Leach Batch: 7120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-1	S-1 1'	Soluble	Solid	DI Leach	
880-5485-2	S-1 3'	Soluble	Solid	DI Leach	
880-5485-3	S-1 5'	Soluble	Solid	DI Leach	
MB 880-7120/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7120/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7120/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5484-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-5484-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 7121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-44	S-13 8'	Soluble	Solid	DI Leach	
880-5485-45	S-11 1'	Soluble	Solid	DI Leach	
880-5485-46	S-11 3'	Soluble	Solid	DI Leach	
880-5485-47	S-11 5'	Soluble	Solid	DI Leach	
880-5485-48	S-11 7'	Soluble	Solid	DI Leach	
880-5485-49	S-15 1'	Soluble	Solid	DI Leach	
880-5485-50	S-15 3'	Soluble	Solid	DI Leach	
880-5485-51	S-15 5'	Soluble	Solid	DI Leach	
880-5485-52	S-15 10'	Soluble	Solid	DI Leach	
880-5485-53	S-14 1'	Soluble	Solid	DI Leach	
880-5485-54	S-14 3'	Soluble	Solid	DI Leach	
880-5485-55	S-14 5'	Soluble	Solid	DI Leach	
880-5485-56	S-14 8'	Soluble	Solid	DI Leach	
880-5485-57	S-12 1'	Soluble	Solid	DI Leach	
880-5485-58	S-12 3'	Soluble	Solid	DI Leach	
880-5485-59	S-12 5'	Soluble	Solid	DI Leach	
880-5485-60	S-12 10'	Soluble	Solid	DI Leach	
MB 880-7121/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7121/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7121/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5485-53 MS	S-14 1'	Soluble	Solid	DI Leach	
880-5485-53 MSD	S-14 1'	Soluble	Solid	DI Leach	

Leach Batch: 7122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-4	S-1 10'	Soluble	Solid	DI Leach	
880-5485-5	S-2 1'	Soluble	Solid	DI Leach	
880-5485-6	S-2 3'	Soluble	Solid	DI Leach	
880-5485-7	S-2 5'	Soluble	Solid	DI Leach	
880-5485-8	S-2 10'	Soluble	Solid	DI Leach	
880-5485-9	S-3 1'	Soluble	Solid	DI Leach	
880-5485-10	S-3 3'	Soluble	Solid	DI Leach	
880-5485-11	S-3 5'	Soluble	Solid	DI Leach	
880-5485-12	S-3 10'	Soluble	Solid	DI Leach	
880-5485-13	S-4 1'	Soluble	Solid	DI Leach	
880-5485-14	S-4 3'	Soluble	Solid	DI Leach	
880-5485-15	S-4 5'	Soluble	Solid	DI Leach	
880-5485-16	S-4 10'	Soluble	Solid	DI Leach	
880-5485-17	S-5 1'	Soluble	Solid	DI Leach	
880-5485-18	S-5 3'	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

HPLC/IC (Continued)

Leach Batch: 7122 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-19	S-5 5'	Soluble	Solid	DI Leach	
880-5485-20	S-5 8'	Soluble	Solid	DI Leach	
880-5485-21	S-6 1'	Soluble	Solid	DI Leach	
880-5485-22	S-6 3'	Soluble	Solid	DI Leach	
880-5485-23	S-6 5'	Soluble	Solid	DI Leach	
MB 880-7122/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7122/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7122/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5485-4 MS	S-1 10'	Soluble	Solid	DI Leach	
880-5485-4 MSD	S-1 10'	Soluble	Solid	DI Leach	
880-5485-14 MS	S-4 3'	Soluble	Solid	DI Leach	
880-5485-14 MSD	S-4 3'	Soluble	Solid	DI Leach	

Leach Batch: 7123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-24	S-6 10'	Soluble	Solid	DI Leach	
880-5485-25	S-7 1'	Soluble	Solid	DI Leach	
880-5485-26	S-7 3'	Soluble	Solid	DI Leach	
880-5485-27	S-7 5'	Soluble	Solid	DI Leach	
880-5485-28	S-7 8'	Soluble	Solid	DI Leach	
880-5485-29	S-8 1'	Soluble	Solid	DI Leach	
880-5485-30	S-8 3'	Soluble	Solid	DI Leach	
880-5485-31	S-8 5'	Soluble	Solid	DI Leach	
880-5485-32	S-8 10'	Soluble	Solid	DI Leach	
880-5485-33	S-9 1'	Soluble	Solid	DI Leach	
880-5485-34	S-9 3'	Soluble	Solid	DI Leach	
880-5485-35	S-9 5'	Soluble	Solid	DI Leach	
880-5485-36	S-9 10'	Soluble	Solid	DI Leach	
880-5485-37	S-10 1'	Soluble	Solid	DI Leach	
880-5485-38	S-10 3'	Soluble	Solid	DI Leach	
880-5485-39	S-10 5'	Soluble	Solid	DI Leach	
880-5485-40	S-10 10'	Soluble	Solid	DI Leach	
880-5485-41	S-13 1'	Soluble	Solid	DI Leach	
880-5485-42	S-13 3'	Soluble	Solid	DI Leach	
880-5485-43	S-13 5'	Soluble	Solid	DI Leach	
MB 880-7123/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7123/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7123/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5485-24 MS	S-6 10'	Soluble	Solid	DI Leach	
880-5485-24 MSD	S-6 10'	Soluble	Solid	DI Leach	
880-5485-34 MS	S-9 3'	Soluble	Solid	DI Leach	
880-5485-34 MSD	S-9 3'	Soluble	Solid	DI Leach	

Analysis Batch: 7189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-1	S-1 1'	Soluble	Solid	300.0	7120
880-5485-2	S-1 3'	Soluble	Solid	300.0	7120
880-5485-3	S-1 5'	Soluble	Solid	300.0	7120
MB 880-7120/1-A	Method Blank	Soluble	Solid	300.0	7120
LCS 880-7120/2-A	Lab Control Sample	Soluble	Solid	300.0	7120
LCSD 880-7120/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7120

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

HPLC/IC (Continued)

Analysis Batch: 7189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5484-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	7120
880-5484-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7120

Analysis Batch: 7190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-44	S-13 8'	Soluble	Solid	300.0	7121
880-5485-45	S-11 1'	Soluble	Solid	300.0	7121
880-5485-46	S-11 3'	Soluble	Solid	300.0	7121
880-5485-47	S-11 5'	Soluble	Solid	300.0	7121
880-5485-48	S-11 7'	Soluble	Solid	300.0	7121
880-5485-49	S-15 1'	Soluble	Solid	300.0	7121
880-5485-50	S-15 3'	Soluble	Solid	300.0	7121
880-5485-51	S-15 5'	Soluble	Solid	300.0	7121
880-5485-52	S-15 10'	Soluble	Solid	300.0	7121
880-5485-53	S-14 1'	Soluble	Solid	300.0	7121
880-5485-54	S-14 3'	Soluble	Solid	300.0	7121
880-5485-55	S-14 5'	Soluble	Solid	300.0	7121
880-5485-56	S-14 8'	Soluble	Solid	300.0	7121
880-5485-57	S-12 1'	Soluble	Solid	300.0	7121
880-5485-58	S-12 3'	Soluble	Solid	300.0	7121
880-5485-59	S-12 5'	Soluble	Solid	300.0	7121
880-5485-60	S-12 10'	Soluble	Solid	300.0	7121
MB 880-7121/1-A	Method Blank	Soluble	Solid	300.0	7121
LCS 880-7121/2-A	Lab Control Sample	Soluble	Solid	300.0	7121
LCSD 880-7121/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7121
880-5485-53 MS	S-14 1'	Soluble	Solid	300.0	7121
880-5485-53 MSD	S-14 1'	Soluble	Solid	300.0	7121

Analysis Batch: 7194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-4	S-1 10'	Soluble	Solid	300.0	7122
880-5485-5	S-2 1'	Soluble	Solid	300.0	7122
880-5485-6	S-2 3'	Soluble	Solid	300.0	7122
880-5485-7	S-2 5'	Soluble	Solid	300.0	7122
880-5485-8	S-2 10'	Soluble	Solid	300.0	7122
880-5485-9	S-3 1'	Soluble	Solid	300.0	7122
880-5485-10	S-3 3'	Soluble	Solid	300.0	7122
880-5485-11	S-3 5'	Soluble	Solid	300.0	7122
880-5485-12	S-3 10'	Soluble	Solid	300.0	7122
880-5485-13	S-4 1'	Soluble	Solid	300.0	7122
880-5485-14	S-4 3'	Soluble	Solid	300.0	7122
880-5485-15	S-4 5'	Soluble	Solid	300.0	7122
880-5485-16	S-4 10'	Soluble	Solid	300.0	7122
880-5485-17	S-5 1'	Soluble	Solid	300.0	7122
880-5485-18	S-5 3'	Soluble	Solid	300.0	7122
880-5485-19	S-5 5'	Soluble	Solid	300.0	7122
880-5485-20	S-5 8'	Soluble	Solid	300.0	7122
880-5485-21	S-6 1'	Soluble	Solid	300.0	7122
880-5485-22	S-6 3'	Soluble	Solid	300.0	7122
880-5485-23	S-6 5'	Soluble	Solid	300.0	7122
MB 880-7122/1-A	Method Blank	Soluble	Solid	300.0	7122

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

HPLC/IC (Continued)

Analysis Batch: 7194 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-7122/2-A	Lab Control Sample	Soluble	Solid	300.0	7122
LCSD 880-7122/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7122
880-5485-4 MS	S-1 10'	Soluble	Solid	300.0	7122
880-5485-4 MSD	S-1 10'	Soluble	Solid	300.0	7122
880-5485-14 MS	S-4 3'	Soluble	Solid	300.0	7122
880-5485-14 MSD	S-4 3'	Soluble	Solid	300.0	7122

Analysis Batch: 7195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5485-24	S-6 10'	Soluble	Solid	300.0	7123
880-5485-25	S-7 1'	Soluble	Solid	300.0	7123
880-5485-26	S-7 3'	Soluble	Solid	300.0	7123
880-5485-27	S-7 5'	Soluble	Solid	300.0	7123
880-5485-28	S-7 8'	Soluble	Solid	300.0	7123
880-5485-29	S-8 1'	Soluble	Solid	300.0	7123
880-5485-30	S-8 3'	Soluble	Solid	300.0	7123
880-5485-31	S-8 5'	Soluble	Solid	300.0	7123
880-5485-32	S-8 10'	Soluble	Solid	300.0	7123
880-5485-33	S-9 1'	Soluble	Solid	300.0	7123
880-5485-34	S-9 3'	Soluble	Solid	300.0	7123
880-5485-35	S-9 5'	Soluble	Solid	300.0	7123
880-5485-36	S-9 10'	Soluble	Solid	300.0	7123
880-5485-37	S-10 1'	Soluble	Solid	300.0	7123
880-5485-38	S-10 3'	Soluble	Solid	300.0	7123
880-5485-39	S-10 5'	Soluble	Solid	300.0	7123
880-5485-40	S-10 10'	Soluble	Solid	300.0	7123
880-5485-41	S-13 1'	Soluble	Solid	300.0	7123
880-5485-42	S-13 3'	Soluble	Solid	300.0	7123
880-5485-43	S-13 5'	Soluble	Solid	300.0	7123
MB 880-7123/1-A	Method Blank	Soluble	Solid	300.0	7123
LCS 880-7123/2-A	Lab Control Sample	Soluble	Solid	300.0	7123
LCSD 880-7123/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7123
880-5485-24 MS	S-6 10'	Soluble	Solid	300.0	7123
880-5485-24 MSD	S-6 10'	Soluble	Solid	300.0	7123
880-5485-34 MS	S-9 3'	Soluble	Solid	300.0	7123
880-5485-34 MSD	S-9 3'	Soluble	Solid	300.0	7123

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-1 1'

Lab Sample ID: 880-5485-1

Date Collected: 08/24/21 12:53

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 05:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/26/21 22:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7120	08/26/21 11:06	CH	XEN MID
Soluble	Analysis	300.0		1			7189	08/27/21 19:22	CH	XEN MID

Client Sample ID: S-1 3'

Lab Sample ID: 880-5485-2

Date Collected: 08/24/21 12:54

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 05:55	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/26/21 23:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	7120	08/26/21 11:06	CH	XEN MID
Soluble	Analysis	300.0		1			7189	08/27/21 19:27	CH	XEN MID

Client Sample ID: S-1 5'

Lab Sample ID: 880-5485-3

Date Collected: 08/24/21 12:55

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 06:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/26/21 23:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7120	08/26/21 11:06	CH	XEN MID
Soluble	Analysis	300.0		1			7189	08/27/21 19:33	CH	XEN MID

Client Sample ID: S-1 10'

Lab Sample ID: 880-5485-4

Date Collected: 08/24/21 12:56

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 06:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/26/21 23:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 02:48	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-2 1'

Lab Sample ID: 880-5485-5

Date Collected: 08/24/21 13:03

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 06:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 00:13	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 03:22	CH	XEN MID

Client Sample ID: S-2 3'

Lab Sample ID: 880-5485-6

Date Collected: 08/24/21 13:04

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 07:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 00:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		5			7194	08/28/21 03:33	CH	XEN MID

Client Sample ID: S-2 5'

Lab Sample ID: 880-5485-7

Date Collected: 08/24/21 13:05

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 07:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 00:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 03:44	CH	XEN MID

Client Sample ID: S-2 10'

Lab Sample ID: 880-5485-8

Date Collected: 08/24/21 13:06

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 07:58	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 01:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 03:55	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-3 1'

Lab Sample ID: 880-5485-9

Date Collected: 08/24/21 13:12

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 08:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 01:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		5			7194	08/28/21 04:29	CH	XEN MID

Client Sample ID: S-3 3'

Lab Sample ID: 880-5485-10

Date Collected: 08/24/21 13:13

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 08:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 01:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 04:40	CH	XEN MID

Client Sample ID: S-3 5'

Lab Sample ID: 880-5485-11

Date Collected: 08/24/21 13:14

Matrix: Solid

Date Received: 08/26/21 09:03

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	7146	08/27/21 11:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7183	08/28/21 02:43	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 02:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 04:51	CH	XEN MID

Client Sample ID: S-3 10'

Lab Sample ID: 880-5485-12

Date Collected: 08/24/21 13:15

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 11:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 03:02	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 05:02	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-4 1'

Lab Sample ID: 880-5485-13

Date Collected: 08/24/21 13:22

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 11:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 03:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 05:13	CH	XEN MID

Client Sample ID: S-4 3'

Lab Sample ID: 880-5485-14

Date Collected: 08/24/21 13:23

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 12:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 03:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 05:24	CH	XEN MID

Client Sample ID: S-4 5'

Lab Sample ID: 880-5485-15

Date Collected: 08/24/21 13:24

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 12:32	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 04:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 05:58	CH	XEN MID

Client Sample ID: S-4 10'

Lab Sample ID: 880-5485-16

Date Collected: 08/24/21 13:25

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 12:53	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 04:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 06:09	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-5 1'

Lab Sample ID: 880-5485-17

Date Collected: 08/24/21 14:06

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 13:13	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 04:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 06:43	CH	XEN MID

Client Sample ID: S-5 3'

Lab Sample ID: 880-5485-18

Date Collected: 08/24/21 14:07

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 13:34	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 05:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 06:54	CH	XEN MID

Client Sample ID: S-5 5'

Lab Sample ID: 880-5485-19

Date Collected: 08/24/21 14:08

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 13:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 05:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 07:05	CH	XEN MID

Client Sample ID: S-5 8'

Lab Sample ID: 880-5485-20

Date Collected: 08/24/21 14:09

Matrix: Solid

Date Received: 08/26/21 09:03

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	7126	08/26/21 13:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7136	08/27/21 14:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7138	08/26/21 14:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7099	08/27/21 05:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 07:16	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-6 1'

Lab Sample ID: 880-5485-21

Date Collected: 08/25/21 07:51

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 12:48	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 13:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 07:27	CH	XEN MID

Client Sample ID: S-6 3'

Lab Sample ID: 880-5485-22

Date Collected: 08/25/21 07:52

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 13:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 14:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 07:38	CH	XEN MID

Client Sample ID: S-6 5'

Lab Sample ID: 880-5485-23

Date Collected: 08/25/21 07:53

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 13:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 15:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7122	08/26/21 11:11	CH	XEN MID
Soluble	Analysis	300.0		1			7194	08/28/21 07:49	CH	XEN MID

Client Sample ID: S-6 10'

Lab Sample ID: 880-5485-24

Date Collected: 08/25/21 07:54

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 13:49	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 15:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 09:19	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-7 1'

Lab Sample ID: 880-5485-25

Date Collected: 08/25/21 08:02

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 14:10	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 15:44	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 09:52	CH	XEN MID

Client Sample ID: S-7 3'

Lab Sample ID: 880-5485-26

Date Collected: 08/25/21 08:03

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 14:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 16:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 10:03	CH	XEN MID

Client Sample ID: S-7 5'

Lab Sample ID: 880-5485-27

Date Collected: 08/25/21 08:04

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 14:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 16:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 10:15	CH	XEN MID

Client Sample ID: S-7 8'

Lab Sample ID: 880-5485-28

Date Collected: 08/25/21 08:05

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 15:11	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 16:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 10:26	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-8 1'

Lab Sample ID: 880-5485-29

Date Collected: 08/25/21 08:09

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 15:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 17:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		5			7195	08/30/21 11:07	CH	XEN MID

Client Sample ID: S-8 3'

Lab Sample ID: 880-5485-30

Date Collected: 08/25/21 08:10

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 15:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 17:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 11:10	CH	XEN MID

Client Sample ID: S-8 5'

Lab Sample ID: 880-5485-31

Date Collected: 08/25/21 08:11

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 17:14	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 18:11	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 11:22	CH	XEN MID

Client Sample ID: S-8 10'

Lab Sample ID: 880-5485-32

Date Collected: 08/25/21 08:12

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 17:34	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 18:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 11:33	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-9 1'

Lab Sample ID: 880-5485-33

Date Collected: 08/25/21 08:19

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 17:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 18:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 11:44	CH	XEN MID

Client Sample ID: S-9 3'

Lab Sample ID: 880-5485-34

Date Collected: 08/25/21 08:20

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 18:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 19:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 11:55	CH	XEN MID

Client Sample ID: S-9 5'

Lab Sample ID: 880-5485-35

Date Collected: 08/25/21 08:21

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 18:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 19:35	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 12:29	CH	XEN MID

Client Sample ID: S-9 10'

Lab Sample ID: 880-5485-36

Date Collected: 08/25/21 08:22

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 18:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 19:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 12:40	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-10 1'

Lab Sample ID: 880-5485-37

Date Collected: 08/25/21 08:30

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 19:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 20:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 13:13	CH	XEN MID

Client Sample ID: S-10 3'

Lab Sample ID: 880-5485-38

Date Collected: 08/25/21 08:31

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 19:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 20:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 13:24	CH	XEN MID

Client Sample ID: S-10 5'

Lab Sample ID: 880-5485-39

Date Collected: 08/25/21 08:32

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 19:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 21:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 13:35	CH	XEN MID

Client Sample ID: S-10 10'

Lab Sample ID: 880-5485-40

Date Collected: 08/25/21 08:33

Matrix: Solid

Date Received: 08/26/21 09:03

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	7128	08/26/21 13:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 20:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7139	08/26/21 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7166	08/27/21 21:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 13:47	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-13 1'

Lab Sample ID: 880-5485-41

Date Collected: 08/25/21 08:53

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/27/21 23:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 13:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 13:58	CH	XEN MID

Client Sample ID: S-13 3'

Lab Sample ID: 880-5485-42

Date Collected: 08/25/21 08:54

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 00:00	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 14:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 14:09	CH	XEN MID

Client Sample ID: S-13 5'

Lab Sample ID: 880-5485-43

Date Collected: 08/25/21 08:55

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 00:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 15:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7123	08/26/21 11:13	CH	XEN MID
Soluble	Analysis	300.0		1			7195	08/28/21 14:20	CH	XEN MID

Client Sample ID: S-13 8'

Lab Sample ID: 880-5485-44

Date Collected: 08/25/21 08:56

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 00:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 15:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 20:35	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-11 1'

Lab Sample ID: 880-5485-45

Date Collected: 08/25/21 09:02

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 01:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 15:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 20:41	CH	XEN MID

Client Sample ID: S-11 3'

Lab Sample ID: 880-5485-46

Date Collected: 08/25/21 09:03

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 01:21	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 16:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 20:47	CH	XEN MID

Client Sample ID: S-11 5'

Lab Sample ID: 880-5485-47

Date Collected: 08/25/21 09:04

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 01:42	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 16:26	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 20:52	CH	XEN MID

Client Sample ID: S-11 7'

Lab Sample ID: 880-5485-48

Date Collected: 08/25/21 09:05

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 02:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 16:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 21:09	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-15 1'

Lab Sample ID: 880-5485-49

Date Collected: 08/25/21 09:08

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 02:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 17:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 21:15	CH	XEN MID

Client Sample ID: S-15 3'

Lab Sample ID: 880-5485-50

Date Collected: 08/25/21 09:09

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 02:43	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 17:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 21:21	CH	XEN MID

Client Sample ID: S-15 5'

Lab Sample ID: 880-5485-51

Date Collected: 08/25/21 09:10

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 04:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 18:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 21:26	CH	XEN MID

Client Sample ID: S-15 10'

Lab Sample ID: 880-5485-52

Date Collected: 08/25/21 09:11

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 04:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 18:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 21:32	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-14 1'

Lab Sample ID: 880-5485-53

Date Collected: 08/25/21 09:14

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 04:46	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 18:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 21:38	CH	XEN MID

Client Sample ID: S-14 3'

Lab Sample ID: 880-5485-54

Date Collected: 08/25/21 09:15

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 05:06	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 19:14	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 21:55	CH	XEN MID

Client Sample ID: S-14 5'

Lab Sample ID: 880-5485-55

Date Collected: 08/25/21 09:16

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 05:27	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 19:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 22:00	CH	XEN MID

Client Sample ID: S-14 8'

Lab Sample ID: 880-5485-56

Date Collected: 08/25/21 09:17

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 05:47	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 19:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 22:17	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-5485-1
SDG: 21-0100-07

Client Sample ID: S-12 1'

Lab Sample ID: 880-5485-57

Date Collected: 08/25/21 09:32

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 06:07	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 20:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 22:23	CH	XEN MID

Client Sample ID: S-12 3'

Lab Sample ID: 880-5485-58

Date Collected: 08/25/21 09:33

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 06:28	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 20:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 22:29	CH	XEN MID

Client Sample ID: S-12 5'

Lab Sample ID: 880-5485-59

Date Collected: 08/25/21 09:34

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 06:48	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 21:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 22:34	CH	XEN MID

Client Sample ID: S-12 10'

Lab Sample ID: 880-5485-60

Date Collected: 08/25/21 09:35

Matrix: Solid

Date Received: 08/26/21 09:03

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	7130	08/26/21 13:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7156	08/28/21 07:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7141	08/26/21 15:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7169	08/27/21 21:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7121	08/26/21 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			7190	08/27/21 22:40	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5485-1	S-1 1'	Solid	08/24/21 12:53	08/26/21 09:03
880-5485-2	S-1 3'	Solid	08/24/21 12:54	08/26/21 09:03
880-5485-3	S-1 5'	Solid	08/24/21 12:55	08/26/21 09:03
880-5485-4	S-1 10'	Solid	08/24/21 12:56	08/26/21 09:03
880-5485-5	S-2 1'	Solid	08/24/21 13:03	08/26/21 09:03
880-5485-6	S-2 3'	Solid	08/24/21 13:04	08/26/21 09:03
880-5485-7	S-2 5'	Solid	08/24/21 13:05	08/26/21 09:03
880-5485-8	S-2 10'	Solid	08/24/21 13:06	08/26/21 09:03
880-5485-9	S-3 1'	Solid	08/24/21 13:12	08/26/21 09:03
880-5485-10	S-3 3'	Solid	08/24/21 13:13	08/26/21 09:03
880-5485-11	S-3 5'	Solid	08/24/21 13:14	08/26/21 09:03
880-5485-12	S-3 10'	Solid	08/24/21 13:15	08/26/21 09:03
880-5485-13	S-4 1'	Solid	08/24/21 13:22	08/26/21 09:03
880-5485-14	S-4 3'	Solid	08/24/21 13:23	08/26/21 09:03
880-5485-15	S-4 5'	Solid	08/24/21 13:24	08/26/21 09:03
880-5485-16	S-4 10'	Solid	08/24/21 13:25	08/26/21 09:03
880-5485-17	S-5 1'	Solid	08/24/21 14:06	08/26/21 09:03
880-5485-18	S-5 3'	Solid	08/24/21 14:07	08/26/21 09:03
880-5485-19	S-5 5'	Solid	08/24/21 14:08	08/26/21 09:03
880-5485-20	S-5 8'	Solid	08/24/21 14:09	08/26/21 09:03
880-5485-21	S-6 1'	Solid	08/25/21 07:51	08/26/21 09:03
880-5485-22	S-6 3'	Solid	08/25/21 07:52	08/26/21 09:03
880-5485-23	S-6 5'	Solid	08/25/21 07:53	08/26/21 09:03
880-5485-24	S-6 10'	Solid	08/25/21 07:54	08/26/21 09:03
880-5485-25	S-7 1'	Solid	08/25/21 08:02	08/26/21 09:03
880-5485-26	S-7 3'	Solid	08/25/21 08:03	08/26/21 09:03
880-5485-27	S-7 5'	Solid	08/25/21 08:04	08/26/21 09:03
880-5485-28	S-7 8'	Solid	08/25/21 08:05	08/26/21 09:03
880-5485-29	S-8 1'	Solid	08/25/21 08:09	08/26/21 09:03
880-5485-30	S-8 3'	Solid	08/25/21 08:10	08/26/21 09:03
880-5485-31	S-8 5'	Solid	08/25/21 08:11	08/26/21 09:03
880-5485-32	S-8 10'	Solid	08/25/21 08:12	08/26/21 09:03
880-5485-33	S-9 1'	Solid	08/25/21 08:19	08/26/21 09:03
880-5485-34	S-9 3'	Solid	08/25/21 08:20	08/26/21 09:03
880-5485-35	S-9 5'	Solid	08/25/21 08:21	08/26/21 09:03
880-5485-36	S-9 10'	Solid	08/25/21 08:22	08/26/21 09:03
880-5485-37	S-10 1'	Solid	08/25/21 08:30	08/26/21 09:03
880-5485-38	S-10 3'	Solid	08/25/21 08:31	08/26/21 09:03
880-5485-39	S-10 5'	Solid	08/25/21 08:32	08/26/21 09:03
880-5485-40	S-10 10'	Solid	08/25/21 08:33	08/26/21 09:03
880-5485-41	S-13 1'	Solid	08/25/21 08:53	08/26/21 09:03
880-5485-42	S-13 3'	Solid	08/25/21 08:54	08/26/21 09:03
880-5485-43	S-13 5'	Solid	08/25/21 08:55	08/26/21 09:03
880-5485-44	S-13 8'	Solid	08/25/21 08:56	08/26/21 09:03
880-5485-45	S-11 1'	Solid	08/25/21 09:02	08/26/21 09:03
880-5485-46	S-11 3'	Solid	08/25/21 09:03	08/26/21 09:03
880-5485-47	S-11 5'	Solid	08/25/21 09:04	08/26/21 09:03
880-5485-48	S-11 7'	Solid	08/25/21 09:05	08/26/21 09:03
880-5485-49	S-15 1'	Solid	08/25/21 09:08	08/26/21 09:03
880-5485-50	S-15 3'	Solid	08/25/21 09:09	08/26/21 09:03
880-5485-51	S-15 5'	Solid	08/25/21 09:10	08/26/21 09:03
880-5485-52	S-15 10'	Solid	08/25/21 09:11	08/26/21 09:03
880-5485-53	S-14 1'	Solid	08/25/21 09:14	08/26/21 09:03
880-5485-54	S-14 3'	Solid	08/25/21 09:15	08/26/21 09:03

Sample Summary

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

Job ID: 880-5485-1
SDG: 21-0100-07

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5485-55	S-14 5'	Solid	08/25/21 09:16	08/26/21 09:03
880-5485-56	S-14 8'	Solid	08/25/21 09:17	08/26/21 09:03
880-5485-57	S-12 1'	Solid	08/25/21 09:32	08/26/21 09:03
880-5485-58	S-12 3'	Solid	08/25/21 09:33	08/26/21 09:03
880-5485-59	S-12 5'	Solid	08/25/21 09:34	08/26/21 09:03
880-5485-60	S-12 10'	Solid	08/25/21 09:35	08/26/21 09:03

Midland, TX 79701
432-687-0901



№ 1818
CHAIN-OF-CUSTODY:

ATE: 8/24/21 PAGE 1 OF 4
PO#: _____ LAB WORK ORDER#: 880-5485
PROJECT LOCATION OR NAME: Subado draw WE 24
LAI PROJECT #: 21-0100-07 COLLECTOR: ~~TPA~~ TPA MB

PRESERVATION

Lab #	Date	Time	Matrix
-------	------	------	--------

HCl
HNO ₃
H ₂ SO ₄ ☐ NaOH ☐
ICE
UNPRESSERVED

[illegible]FIELD NOTES[illegible]

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
<i>Don't know</i>	<i>0903</i>	<i>Edm</i>

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
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LABORATORY X-2150

TURN AROUND TIME
NORMAL ☒

LABORATORY USE ONLY:
RECEIVING TEMP 34/39 THERM# 128

1 DAY ☐
2 DAY ☐
OTHER ☐

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED

☐ CARRIER BILL # _____

☒ HAND DELIVERED

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

Arson & Associates, Inc.

Environmental Consultants

507 N. Marientfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE: 8/26/21 PAGE 2 OF 4
PO#: _____ LAB WORK ORDER#: 880-5485
PROJECT LOCATION OR NAME: SD WE 24
LAI PROJECT #: 21-0100-07 COLLECTOR: TRAMBA

CHAIN-OF-CUSTODY

No 1819

8/31/2021

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION					ANALYSES	FIELD NOTES
						HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE	UNPRESERVED		
5-4 10'		8/26/21	1325	5	1					X	☐ BTEX ☐ MTBE ☐ TPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐ ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ ☐ OIL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ TCIP - METALS (RORA) ☐ TCIP VOC ☐ ☐ 8082 PESTICIDES ☐ TCIP - METALS (RORA) ☐ TCIP VOC ☐ TCIP - METALS (RORA) ☐ TCIP VOC ☐ ☐ TOTAL METALS (RORA) ☐ TCIP VOC ☐ TCIP - METALS (RORA) ☐ TCIP VOC ☐ ☐ LEAD - TOTAL ☐ D W 200 ☐ TCIP ☐ TCIP - METALS (RORA) ☐ TCIP VOC ☐ ☐ TDS ☐ TOX ☐ FLASHPOINT ☐ CYANIDE ☐ pH ☐ HEXAVALENT CHROMIUM ☐ PECHLORATE ☐ ☐ EXPLOSIVES ☐ ANIONS ☐ ALKALINITY ☐ CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	
5-5 1'			1406									
5-5 3'			1407									
5-5 5'			1408									
5-5 8'			1409									
5-6 1'		8/25/21	0751									
5-6 3'			0752									
5-6 5'			0753									
5-6 10'			0754									
5-7 1'			0802									
5-7 3'			0803									
5-7 5'			0804									
5-7 8'			0805									
5-8 1'			0809									
5-8 3'			0810									
TOTAL 15												

RELINQUISHED BY (Signature) [Signature] DATE/TIME 8/26/21 0903 RECEIVED BY (Signature) [Signature]

RELINQUISHED BY (Signature) [Signature] DATE/TIME 8/26/21 0903 RECEIVED BY (Signature) [Signature]

RELINQUISHED BY (Signature) [Signature] DATE/TIME 8/26/21 0903 RECEIVED BY (Signature) [Signature]

LABORATORY X Ence

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP 3.4/3.9 THERM# 128
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☒ CARRIER BILL #
☒ HAND DELIVERED

TRRP report?		S=SOIL	P=PAINT
☐ Yes	☒ No	W=WATER	SL=SLUDGE
	A=AIR	OT=OTHER	
TIME ZONE Time zone/State			
MST			
Field Sample ID	Lab #	Date	Time
5-9 5'		08/21/21	0811
5-8 10'			0812
5-9 1'			0819
5-9 3'			0820
5-9 5'			0821
5-9 10'			0822
5-10 1'			0830
5-10 3'			0831
5-10 5'			0832
5-10 10'			0833
5-13 1'			0853
5-13 3'			0854
5-13 5'			0855
5-13 8'			0856
5-11 1'			0902
TOTAL	15		

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESSERVED

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 ☐

8082 PCBS ☐

TCLP - METALS (RCRA) ☐ TCLP VOC ☐

TCLP - PEST ☐ HERB ☐ Semi-VOC ☐

TOTAL METALS (RCRA) ☐ OTHER LIST ☐

LEAD - TOTAL ☐ DW 200 8 ☐ TCLP ☐

RCl ☐ TOX ☐ FLASHPOINT ☐

TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐

pH ☐ HEXAVALENT CHROMIUM ☐

EXPLOSIVES ☐ PECHLORATE ☐

CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

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

Environmental Consultants

507 N. Marientfeld, Ste. 202

Midland, TX 79701

432-687-0901

CHAIN-OF-CUSTODY

No 1821

DATE: 8/26/21 PAGE 4 OF 4

PO#: LAB WORK ORDER#: 880-5485

PROJECT LOCATION OR NAME: 5D W/E 24

LAI PROJECT #: 21-0100-07 COLLECTOR: MB + TP

Data Reported to

TRRP report?
☐ Yes ☒ NoS=SOIL
W=WATER
A=AIR
P=PAINT
SL=SLUDGE
OT=OTHERTIME ZONE
Time zone/State

MST

Field
Sample ID

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

PRESERVATION

ANALYSES

BTEX ☐ MTBE ☐TRPH 418 1 ☐ TPH 1005 ☐ TPH 1006 ☐GASOLINE MOD 8015 ☐DIESEL - MOD 8015 ☐OIL - MOD 8015 ☐VOC 8260 ☐SVOC 8270 ☐8081 PESTICIDES ☐8082 PESTICIDES ☐TCLP - METALS (RCRA) ☐

TCLP - METALS (RCRA)

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-5485-1

SDG Number: 21-0100-07

Login Number: 5485

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-7740-1
Client Project/Site: SD WE 24 Fed P23

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Attn: Mr. Mark J Larson

Holly Taylor

Authorized for release by:
11/4/2021 7:42:31 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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

Laboratory Job ID: 880-7740-1

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Definitions/Glossary

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

Job ID: 880-7740-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, 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.
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.
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

Eurofins Xenco, Midland

Case Narrative

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

Job ID: 880-7740-1

Job ID: 880-7740-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-7740-1****Receipt**

The samples were received on 10/29/2021 10:10 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 -2.2°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-16, 0.5' (880-7740-1). 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 880-11222 and analytical batch 880-11195 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC

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

Client Sample Results

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

Job ID: 880-7740-1

Client Sample ID: S-16, 0.5'

Lab Sample ID: 880-7740-1

Date Collected: 10/28/21 12:10

Matrix: Solid

Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/01/21 10:32	11/01/21 17:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/01/21 10:32	11/01/21 17:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/01/21 10:32	11/01/21 17:01	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/01/21 10:32	11/01/21 17:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/01/21 10:32	11/01/21 17:01	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/01/21 10:32	11/01/21 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	11/01/21 10:32	11/01/21 17:01	1
1,4-Difluorobenzene (Surr)	187	S1+	70 - 130	11/01/21 10:32	11/01/21 17:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/01/21 14:19	1

Method: 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			11/03/21 12:10	1

Method: 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		11/02/21 11:18	11/03/21 02:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/02/21 11:18	11/03/21 02:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/02/21 11:18	11/03/21 02:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	11/02/21 11:18	11/03/21 02:58	1
o-Terphenyl (Surr)	89		70 - 130	11/02/21 11:18	11/03/21 02:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99	mg/Kg			11/03/21 12:53	1

Client Sample ID: S-16, 1'

Lab Sample ID: 880-7740-2

Date Collected: 10/28/21 12:11

Matrix: Solid

Date Received: 10/29/21 10:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/01/21 10:32	11/01/21 17:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/01/21 10:32	11/01/21 17:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/01/21 10:32	11/01/21 17:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/01/21 10:32	11/01/21 17:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/01/21 10:32	11/01/21 17:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/01/21 10:32	11/01/21 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	11/01/21 10:32	11/01/21 17:29	1
1,4-Difluorobenzene (Surr)	128		70 - 130	11/01/21 10:32	11/01/21 17:29	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-7740-1

Client Sample ID: S-16, 1'

Lab Sample ID: 880-7740-2

Date Collected: 10/28/21 12:11

Matrix: Solid

Date Received: 10/29/21 10:10

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/01/21 14:19	1

Method: 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			11/03/21 12:10	1

Method: 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		11/02/21 11:18	11/03/21 03:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/02/21 11:18	11/03/21 03:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/02/21 11:18	11/03/21 03:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130			11/02/21 11:18	11/03/21 03:21	1
o-Terphenyl (Surr)	81		70 - 130			11/02/21 11:18	11/03/21 03:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01	mg/Kg			11/03/21 13:11	1

Eurofins Xenco, Midland

Surrogate Summary

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

Job ID: 880-7740-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-7740-1	S-16, 0.5'	109	187 S1+
880-7740-2	S-16, 1'	77	128
880-7749-A-1-C MS	Matrix Spike	86	71
880-7749-A-1-E MSD	Matrix Spike Duplicate	87	115
LCS 880-11059/1-A	Lab Control Sample	91	100
LCSD 880-11059/2-A	Lab Control Sample Dup	85	105
MB 880-11059/5-A	Method Blank	63 S1-	133 S1+
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-7740-1	S-16, 0.5'	94	89
880-7740-2	S-16, 1'	86	81
880-7761-A-21-E MS	Matrix Spike	104	98
880-7761-A-21-F MSD	Matrix Spike Duplicate	109	101
LCS 880-11222/2-A	Lab Control Sample	101	103
LCSD 880-11222/3-A	Lab Control Sample Dup	104	103
MB 880-11222/1-A	Method Blank	113	120
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-7740-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-11059/5-A

Matrix: Solid

Analysis Batch: 11027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11059

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/01/21 10:32	11/01/21 13:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/01/21 10:32	11/01/21 13:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/01/21 10:32	11/01/21 13:19	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/01/21 10:32	11/01/21 13:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/01/21 10:32	11/01/21 13:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/01/21 10:32	11/01/21 13:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	11/01/21 10:32	11/01/21 13:19	1
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130	11/01/21 10:32	11/01/21 13:19	1

Lab Sample ID: LCS 880-11059/1-A

Matrix: Solid

Analysis Batch: 11027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09493		mg/Kg		95	70 - 130
Toluene	0.100	0.09238		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08996		mg/Kg		90	70 - 130
m,p-Xylenes	0.200	0.1834		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09109		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-11059/2-A

Matrix: Solid

Analysis Batch: 11027

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 11059

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08648		mg/Kg		86	70 - 130	9	35
Toluene	0.100	0.08374		mg/Kg		84	70 - 130	10	35
Ethylbenzene	0.100	0.07988		mg/Kg		80	70 - 130	12	35
m,p-Xylenes	0.200	0.1623		mg/Kg		81	70 - 130	12	35
o-Xylene	0.100	0.08108		mg/Kg		81	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-7749-A-1-C MS

Matrix: Solid

Analysis Batch: 11027

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 11059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U F2 F1	0.101	0.03475	F1	mg/Kg		34	70 - 130
Toluene	<0.00202	U F2 F1	0.101	0.006187	F1	mg/Kg		6	70 - 130

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-7740-1

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

Lab Sample ID: 880-7749-A-1-C MS

Matrix: Solid

Analysis Batch: 11027

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 11059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00202	U F2 F1	0.101	0.06604	F1	mg/Kg		66	70 - 130
m,p-Xylenes	<0.00403	U F2 F1	0.202	0.1311	F1	mg/Kg		65	70 - 130
o-Xylene	<0.00202	U F2 F1	0.101	0.06867	F1	mg/Kg		68	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	86		70 - 130						
1,4-Difluorobenzene (Surr)	71		70 - 130						

Lab Sample ID: 880-7749-A-1-E MSD

Matrix: Solid

Analysis Batch: 11027

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 11059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00202	U F2 F1	0.0996	0.05940	F2 F1	mg/Kg		59	70 - 130	52	35
Toluene	<0.00202	U F2 F1	0.0996	0.04594	F2 F1	mg/Kg		46	70 - 130	153	35
Ethylbenzene	<0.00202	U F2 F1	0.0996	0.03657	F2 F1	mg/Kg		37	70 - 130	57	35
m,p-Xylenes	<0.00403	U F2 F1	0.199	0.07219	F2 F1	mg/Kg		36	70 - 130	58	35
o-Xylene	<0.00202	U F2 F1	0.0996	0.04080	F2 F1	mg/Kg		41	70 - 130	51	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	87		70 - 130								
1,4-Difluorobenzene (Surr)	115		70 - 130								

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

Lab Sample ID: MB 880-11222/1-A

Matrix: Solid

Analysis Batch: 11195

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11222

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		11/02/21 11:18	11/02/21 20:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/02/21 11:18	11/02/21 20:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/02/21 11:18	11/02/21 20:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			11/02/21 11:18	11/02/21 20:41	1
o-Terphenyl (Surr)	120		70 - 130			11/02/21 11:18	11/02/21 20:41	1

Lab Sample ID: LCS 880-11222/2-A

Matrix: Solid

Analysis Batch: 11195

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	889.0		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1228		mg/Kg		123	70 - 130

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-7740-1

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

Lab Sample ID: LCS 880-11222/2-A

Matrix: Solid

Analysis Batch: 11195

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11222

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-11222/3-A

Matrix: Solid

Analysis Batch: 11195

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 11222

			Spike	LCSD	LCSD				%Rec.			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	869.5		mg/Kg		87	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	1149		mg/Kg		115	70 - 130	7	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	103		70 - 130

Lab Sample ID: 880-7761-A-21-E MS

Matrix: Solid

Analysis Batch: 11195

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 11222

	Sample	Sample	Spike	MS	MS				%Rec.			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	997	1045		mg/Kg		102	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1030		mg/Kg		101	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	98		70 - 130

Lab Sample ID: 880-7761-A-21-F MSD

Matrix: Solid

Analysis Batch: 11195

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 11222

	Sample	Sample	Spike	MSD	MSD				%Rec.			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	1000	1432	F1 F2	mg/Kg		141	70 - 130	31	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1091		mg/Kg		107	70 - 130	6	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	109		70 - 130
o-Terphenyl (Surr)	101		70 - 130

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-7740-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-10941/1-A

Matrix: Solid

Analysis Batch: 11215

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			11/03/21 12:35	1

Lab Sample ID: LCS 880-10941/2-A

Matrix: Solid

Analysis Batch: 11215

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	257.4		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-10941/3-A

Matrix: Solid

Analysis Batch: 11215

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	258.0		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-7740-1 MS

Matrix: Solid

Analysis Batch: 11215

Client Sample ID: S-16, 0.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.99	U	250	266.8		mg/Kg		106	90 - 110

Lab Sample ID: 880-7740-1 MSD

Matrix: Solid

Analysis Batch: 11215

Client Sample ID: S-16, 0.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.99	U	250	261.6		mg/Kg		104	90 - 110	2	20

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-7740-1

GC VOA

Analysis Batch: 11027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7740-1	S-16, 0.5'	Total/NA	Solid	8021B	11059
880-7740-2	S-16, 1'	Total/NA	Solid	8021B	11059
MB 880-11059/5-A	Method Blank	Total/NA	Solid	8021B	11059
LCS 880-11059/1-A	Lab Control Sample	Total/NA	Solid	8021B	11059
LCSD 880-11059/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	11059
880-7749-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	11059
880-7749-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	11059

Prep Batch: 11059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7740-1	S-16, 0.5'	Total/NA	Solid	5035	
880-7740-2	S-16, 1'	Total/NA	Solid	5035	
MB 880-11059/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-11059/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-11059/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7749-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-7749-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 11149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7740-1	S-16, 0.5'	Total/NA	Solid	Total BTEX	
880-7740-2	S-16, 1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 11195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7740-1	S-16, 0.5'	Total/NA	Solid	8015B NM	11222
880-7740-2	S-16, 1'	Total/NA	Solid	8015B NM	11222
MB 880-11222/1-A	Method Blank	Total/NA	Solid	8015B NM	11222
LCS 880-11222/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	11222
LCSD 880-11222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	11222
880-7761-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	11222
880-7761-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	11222

Prep Batch: 11222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7740-1	S-16, 0.5'	Total/NA	Solid	8015NM Prep	
880-7740-2	S-16, 1'	Total/NA	Solid	8015NM Prep	
MB 880-11222/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-11222/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-11222/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7761-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-7761-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 11344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7740-1	S-16, 0.5'	Total/NA	Solid	8015 NM	
880-7740-2	S-16, 1'	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-7740-1

HPLC/IC

Leach Batch: 10941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7740-1	S-16, 0.5'	Soluble	Solid	DI Leach	
880-7740-2	S-16, 1'	Soluble	Solid	DI Leach	
MB 880-10941/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10941/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10941/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7740-1 MS	S-16, 0.5'	Soluble	Solid	DI Leach	
880-7740-1 MSD	S-16, 0.5'	Soluble	Solid	DI Leach	

Analysis Batch: 11215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7740-1	S-16, 0.5'	Soluble	Solid	300.0	10941
880-7740-2	S-16, 1'	Soluble	Solid	300.0	10941
MB 880-10941/1-A	Method Blank	Soluble	Solid	300.0	10941
LCS 880-10941/2-A	Lab Control Sample	Soluble	Solid	300.0	10941
LCSD 880-10941/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10941
880-7740-1 MS	S-16, 0.5'	Soluble	Solid	300.0	10941
880-7740-1 MSD	S-16, 0.5'	Soluble	Solid	300.0	10941

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-7740-1

Client Sample ID: S-16, 0.5'

Lab Sample ID: 880-7740-1

Date Collected: 10/28/21 12:10

Matrix: Solid

Date Received: 10/29/21 10:10

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	11059	11/01/21 10:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11027	11/01/21 17:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 14:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11222	11/02/21 11:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11195	11/03/21 02:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 12:53	CH	XEN MID

Client Sample ID: S-16, 1'

Lab Sample ID: 880-7740-2

Date Collected: 10/28/21 12:11

Matrix: Solid

Date Received: 10/29/21 10:10

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	11059	11/01/21 10:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11027	11/01/21 17:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 14:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11344	11/03/21 12:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11222	11/02/21 11:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11195	11/03/21 03:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	10941	10/29/21 13:26	SC	XEN MID
Soluble	Analysis	300.0		1			11215	11/03/21 13:11	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

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

Job ID: 880-7740-1

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Eurofins Xenco, Midland

Method Summary

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

Job ID: 880-7740-1

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

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

Eurofins Xenco, Midland

Sample Summary

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

Job ID: 880-7740-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7740-1	S-16, 0.5'	Solid	10/28/21 12:10	10/29/21 10:10
880-7740-2	S-16, 1'	Solid	10/28/21 12:11	10/29/21 10:10

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

Varson & Associates, Inc.
Environmental Consultants



880-7740 Chain of Custody

432-687-0901

CHAIN-OF-CUSTODY

No. 2225

DATE 10/29/2021 PAGE 1 OF 1O# LAB WORK ORDER# PROJECT LOCATION OR NAME SD WFE 24 Feb 2023LAI PROJECT # 21-0100-07 COLLECTOR MB + ASL

Data Reported to

TRRP report?
☐ Yes ☒ NoS=SOIL
W=WATER
A=AIR
P=PAINT
SL=SLUDGE
OT=OTHERTIME ZONE
Time zone/State

NST/UM

Field
Sample ID

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃H₂SO₄ ☐ 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

8082 PCBs

TCLP - METALS (RCRA)

TCLP - PEST

TOTAL METALS (RCRA)

LEAD - TOTAL

RCI

TDS

pH

EXPLOSIVES

CHLORIDES

ANIONS

ALKALINITY

CYANIDE

OTHER LIST

TCLP VOC

TCLP

FLASHPOINT

% MOISTURE

FIELD NOTES

S-16, 0.5'

10/29/21

1211

S

1

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

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X

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X

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X

X

X

X

X

X

TOTAL

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 XERO

TURN AROUND TIME

NORMAL ☒1 DAY ☐2 DAY ☐OTHER ☐

LABORATORY USE ONLY

RECEIVING TEMP

THERM#

128

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL #

☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-7740-1

Login Number: 7740

List Source: Eurofins Xenco, Midland

List Number: 1

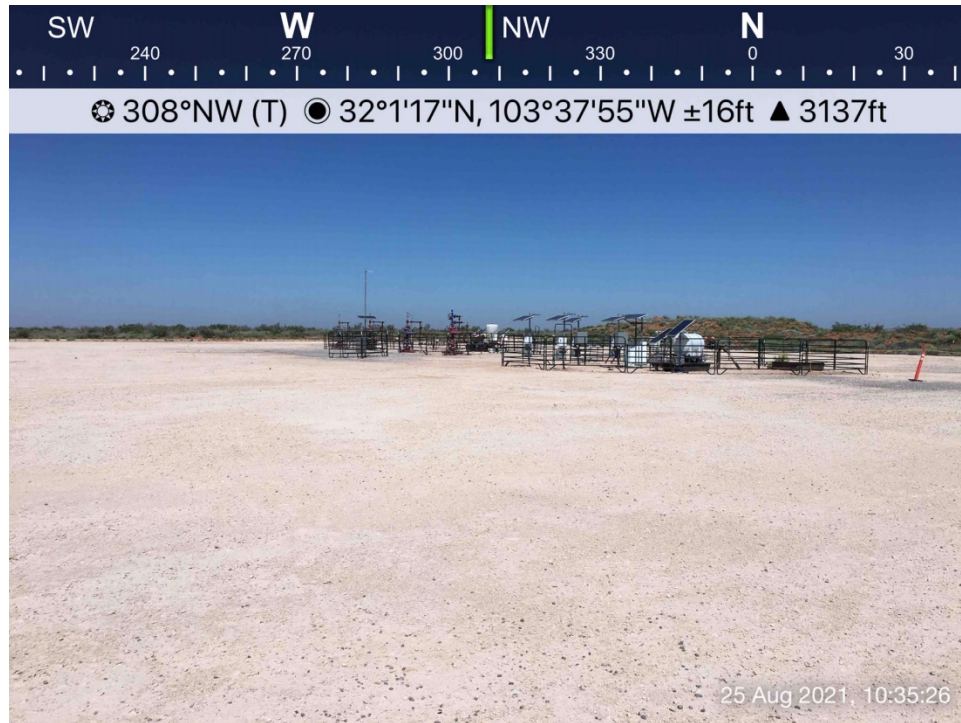
Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Appendix E

Photographs

Tracking Number: nOY1804328649
Delineation Report and Remediation Plan
Chevron USA, Inc., Salado Draw WE 24 P23 #002H
Produced Water Release
December 16, 2021



View of Spill Area



View of Spill Area

Tracking Number: nOY1804328649
Delineation Report and Remediation Plan
Chevron USA, Inc., Salado Draw WE 24 P23 #002H
Produced Water Release
December 16, 2021



View of Spill Area



View of Spill Area

Tracking Number: nOY1804328649
Delineation Report and Remediation Plan
Chevron USA, Inc., Salado Draw WE 24 P23 #002H
Produced Water Release
December 16, 2021



View of Spill Area

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 69858

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 69858
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Please complete remediation and submit a complete closure report by 01/06/2023 per 1915.29.12 E(1) NMAC.	10/5/2022