

Incident ID	nAPP2133439841
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

Page 4

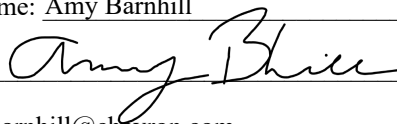
Incident ID	nAPP2133439841
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release 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: 5-25-22

email: ABarnhill@chevron.com

Telephone: 432-687-7108

OCD Only

Received by: _____

Date: _____

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Remediation Plan

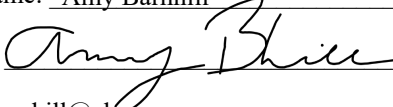
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ 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: 5-25-22
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: 06/01/2022

Tracking Number: nAPP2133439841
Delineation Report and Remediation Plan
Salado Draw 24 Tank Battery
Crude Oil and Produced Water Release
Lea County, New Mexico

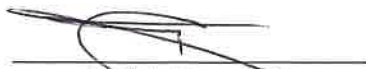
Latitude: N 32.023247°
Longitude: W -103.628056°

LAI Project No. 21-0100-25

May 23, 2022

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

Prepared by:
Larson & Associates, Inc.
507 North Marienfeld Street, Suite 202
Midland, Texas 79701



Mark J. Larson, P.G.

Certified Professional Geologist #10490



Robert Nelson
Sr. Geoscientist

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Appendix B	Karst Risk Potential
Appendix C	Boring Log
Appendix C	Laboratory Reports
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Tracking Number: nAPP2133439841
Delineation Report and Remediation Plan
Salado Draw 24 Tank Battery, Chevron USA, Inc.
Crude Oil and Produced Water Release
May 23, 2022

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 24 Tank Battery (Site) located in Unit O (SW/4, SE/4), Section 24, Township 26 South, Range 32 East, in Lea County, New Mexico. The geodetic position is North 32.023247° and West -103.628056°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on November 23, 2021, due to corrosion on a tank inlet nozzle flange. Chevron reported that 5.43 barrels (bbls) of crude oil and 103.07 bbls of produced water were released within the lined containment, with 90 bbls of fluid recovered. A vacuum truck and backhoe were dispatched to remove fluids and soil on the liner. The liner was accidentally torn as a result of these activities. The initial C-141 was submitted to NMOCD District 1 on November 24, 2021 and assigned incident number nAPP2133439841. Appendix A presents the Chevron spill calculation.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,139 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 soils and Dune land, consisting of 0 to 30 inches fine sand, underlain by 30 to 60 inches of fine sandy loam.
- Surface geology is Quaternary deposits (Holocene) and consists of sand and silt in sheets, locally includes cover sand.
- Groundwater occurs at a depth greater than 101.5 feet below ground surface (bgs) based on depth to groundwater measurements 72 hours after drilling a soil bore (SB-1).

Figure 3 presents an aerial map showing the boring location. Appendix B presents USGS data depicting karst risk potential. Appendix C presents the boring log (SB-1)

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.

Tracking Number: nAPP2133439841
Delineation Report and Remediation Plan
Salado Draw 24 Tank Battery, Chevron USA, Inc.
Crude Oil and Produced Water Release
May 23, 2022

2.0 DELINEATION

On December 23, 2021, LAI personnel used a stainless-steel hand auger to collect soil samples at location S-1 where the liner was torn. The samples were collected at the surface (0-feet bgs) and approximately 0.5-foot bgs, 1-foot bgs, and 1.5 feet bgs. The soil samples were delivered under chain of custody and preservation to Eurofins-Xenco Laboratories (Xenco) in Midland, Texas, which analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX), 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, BTEX, and TPH were below the NMOCD remediation standards in Table 1 (19.15.29 NMAC) of 10 milligrams per kilogram (mg/Kg), 50 mg/Kg, and 100 mg/Kg, respectively. Chloride exceeded the NMOCD closure criteria of 600 mg/Kg in samples S-1, 0.5 foot (14,700 mg/Kg) and S-1, 1-foot (3,580 mg/Kg).

On January 31, 2022, LAI personnel collected additional soil samples (S-2 through S-5) for horizontal delineation in each cardinal direction (north, south, east, and west) of sample location S-1. The samples were collected at ground surface (0-feet bgs), 0.5-foot, 1-foot and 1.5 feet bgs. Xenco analyzed the samples and reported chloride concentrations above the NMOCD delineation requirements of 600 mg/Kg in samples from locations S-3, S-4 and 5. The chloride concentrations at these sample locations (S-3 through S-5).

On March 4, 2022, LAI personnel collected additional horizontal soil samples (S-6 through S-9). Laboratory results demonstrate the release was delineated according to the NMOCD remediation and closure requirements in Table 1 of 19.15.29.12 NMAC. Appendix D presents the laboratory reports.

3.0 REMEDIATION PLAN

Chevron proposes the following remedial actions:

- Excavate soil from an area measuring approximately 363 square feet encompassing S-1, S-3, and S-4 to a depth of 1-foot bgs.
- Excavate soil from an area measuring approximately 57 square feet encompassing S-5 to a depth of 1.5 feet bgs.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride.
- Backfill excavation with clean caliche assuming achievement of OCD remediation levels and repair and/or replace liner after remediation.
- Prepare report with photographs for submittal to NMOCD District I.

Figure 4 presents the proposed excavation map.

Tables

Table 1
Soil Sample Analytical Data Summary
Salado Draw 24 Tank Battery
Lea County, New Mexico
North 32° 01' 23.71", West 103° 37' 41.17"

Page 1 of 2

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:						1050100 / 2,500600 / 20,000				
S-1	0	12/23/2021	In-Situ	<0.0399	<0.00798	<50.0	<50.0	<50.0	<50.0	14,700
	0.5	12/23/2021	In-Situ	<0.0396	<0.0792	<50.0	<50.0	<50.0	<50.0	3,580
	1	12/23/2021	In-Situ	<0.00200	0.00674	<49.9	<49.9	<49.9	<49.9	87.6
	1.5	12/23/2021	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	155
S-5 NH	0	1/31/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	3,120
	0.5	1/31/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	737
	1	1/31/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	926
	1.5	1/31/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	73.6
S-2 EH	0	1/31/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	217
	0.5	1/31/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	37.7
	1	1/31/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	6.59
	1.5	1/31/2022	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<4.99
S-3 SH	0	1/31/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	4,790
	0.5	1/31/2022	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	860
	1	1/31/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	59.4
	1.5	1/31/2022	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	377
S-4 WH	0	1/31/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	2,130
	0.5	1/31/2022	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	1,890
	1	1/31/2022	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	43.3

Table 1
Soil Sample Analytical Data Summary
Salado Draw 24 Tank Battery
Lea County, New Mexico
North 32° 01' 23.71", West 103° 37' 41.17"

Page 2 of 2

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
	1.5	1/31/2022	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	114
S-6	0.5	3/4/2022	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<4.95
S-7	0.5	3/4/2022	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<4.99
S-8	0.5	3/4/2022	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	47.4
S-9	0.5	3/4/2022	In-Situ	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	7.69

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

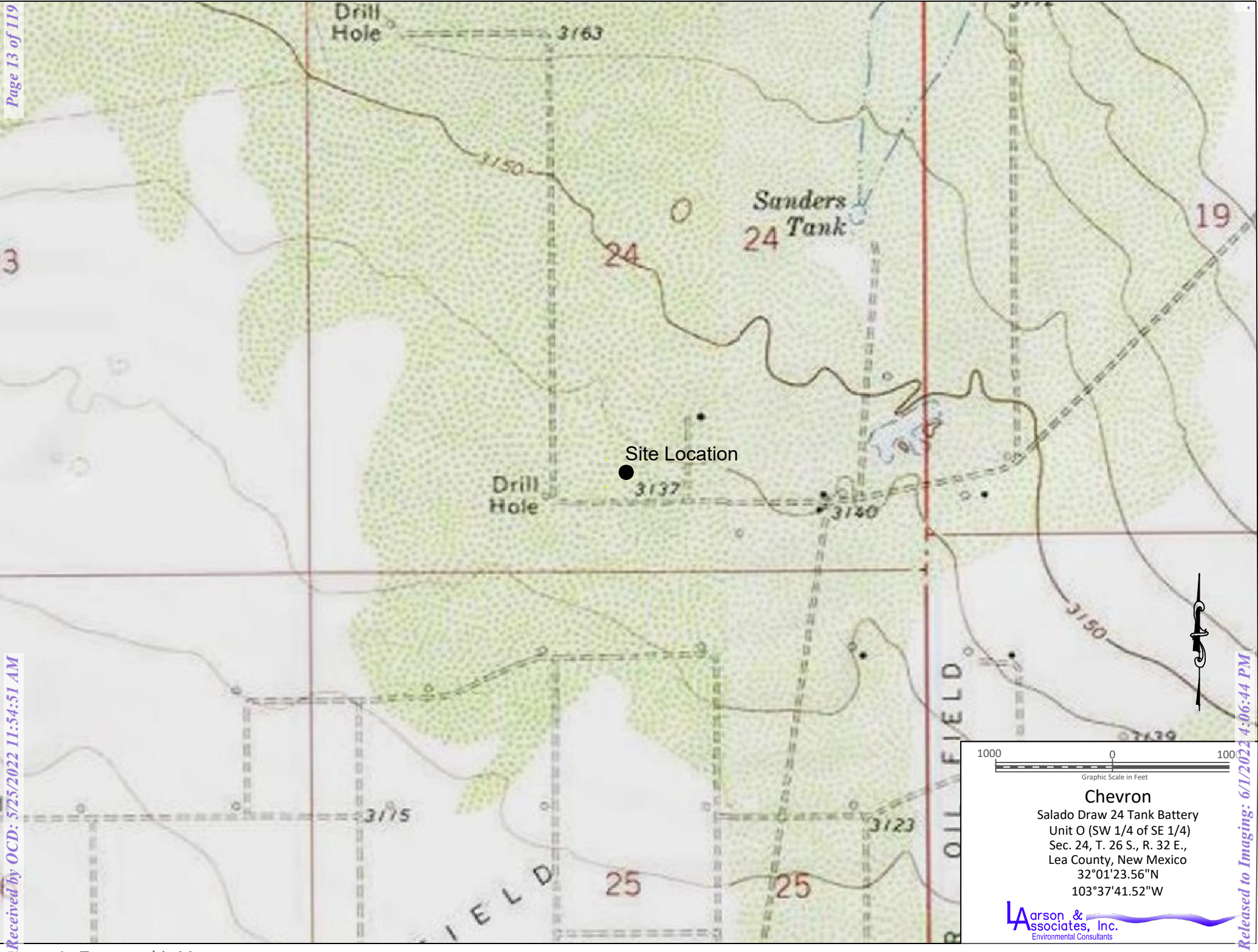


Figure 1 - Topographic Map



Legend
● - Soil Sample Location

Figure 2 - Aerial Map

Legend
● - Soil Bore Location

SB-1

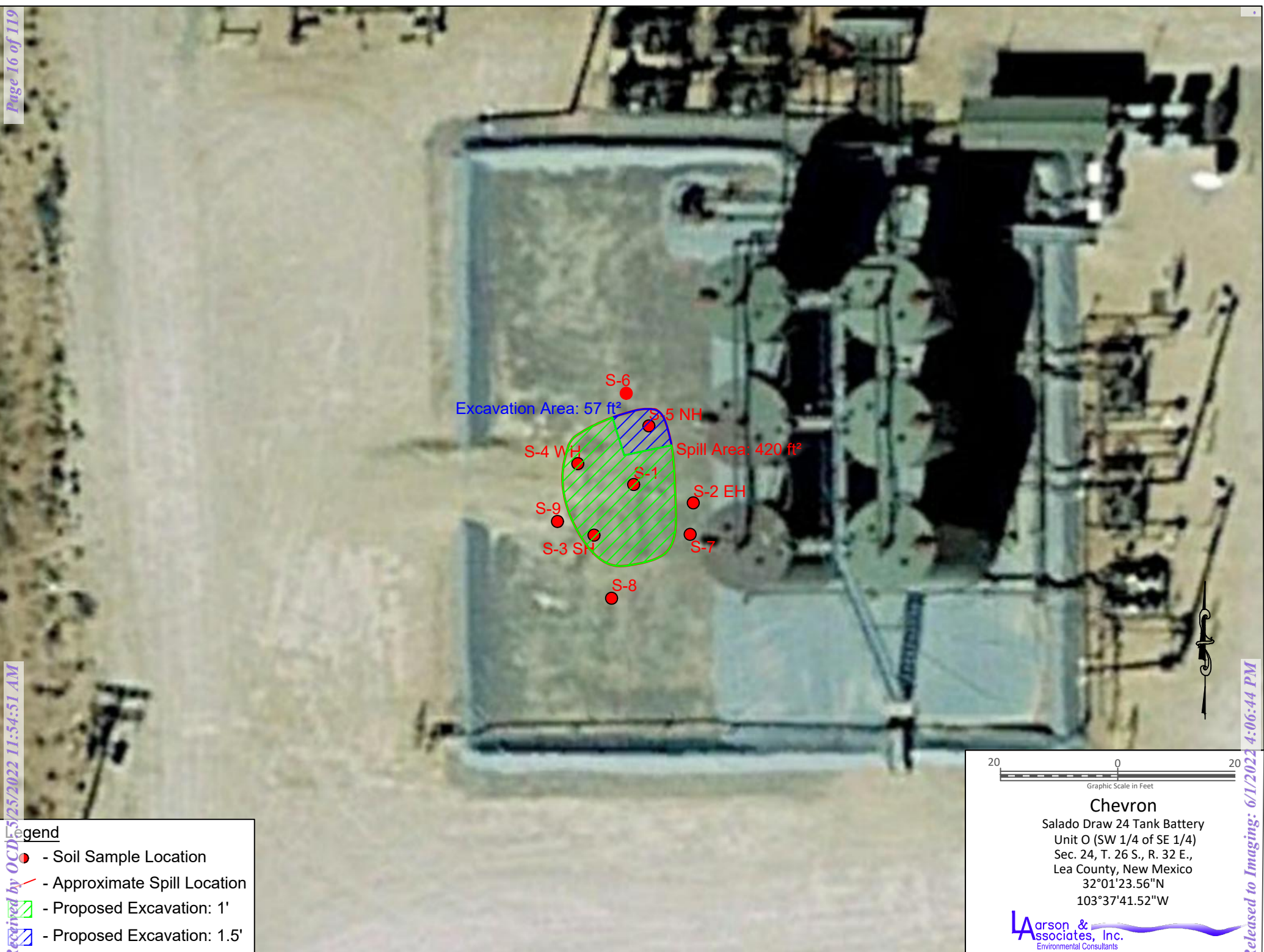
Site Location

250 0 250
Graphic Scale in Feet

Chevron
Salado Draw 24 Tank Battery
Unit O (SW 1/4 of SE 1/4)
Sec. 24, T. 26 S., R. 32 E.,
Lea County, New Mexico
32°01'23.56"N
103°37'41.52"W

Larson & Associates, Inc.
Environmental Consultants

Figure 3 - Aerial Map Showing Soil Bore Location



Legend

- - Soil Sample Location
- ✓ - Approximate Spill Location
- ▨ - Proposed Excavation: 1'
- ▨ - Proposed Excavation: 1.5'

Figure 4 - Aerial Map Showing Proposed Excavation Area

Appendix A

Chevron Spill Calculation

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

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2133439841
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: ABarnhill@chevron.com	Incident # (assigned by OCD)
Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706	

Location of Release Source

Latitude 32.0232374 _____ Longitude -103.6281602 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Salado Draw 24 CTB	Site Type: Oil
Date Release Discovered: 11-23-21	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	24	26S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls): 5.43 bbls	Volume Recovered (bbls): 5 bbls
☒ Produced Water	Volume Released (bbls): 103.07 bbls	Volume Recovered (bbls): 85 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

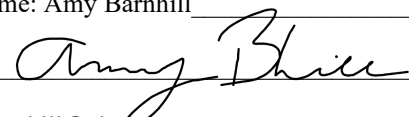
Cause of Release: tank inlet nozzle flange had a corroded spot near the weld.

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Over 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes by Kyndle Hall to Mike Bratcher via e-mail on 11-24-21	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: Water Specialist
Signature: 	Date: 11-30-21
email: ABarnhill@chevron.com	Telephone: 432-687-7108
<u>OCD Only</u>	
Received by: _____	Date: _____

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Spill calculations

Area 1

Shape: Rectangle

Secondary Containment?: No

Standing Liquid Dimensions: 85 ft x 40 ft x 2 in

Standing Liquid Volume: 108.497 bbl

Water Cut: 95%

Oil Volume: 5.425 bbl

Penetration Depth: 1 in

Water to Soil Volume: 7.570 bbl

Water Volume: 110.642 bbl

Appendix B
Karst Risk Potential



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

WATER TABLE (TIME OF BORING)

☐ STANDARD PENETRATION TEST

LABORATORY TEST LOCATION

☐ UNDISTURBED SAMPLE

PENETROMETER (TONS/ SQ. FT)

WATER TABLE (24 HRS)

NO RECOVERY

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

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																	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																	105			
		TD:101.5' Dry After 72 Hours																			



ONE CONTINUOUS AUGER SAMPLER



WATER TABLE (TIME OF BORING)



STANDARD PENETRATION TEST



LABORATORY TEST LOCATION



UNDISTURBED SAMPLE



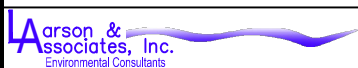
PENETROMETER (TONS/ SQ. FT)



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: 880-9721-1

Laboratory Sample Delivery Group: 21-0100-25

Client Project/Site: Salado Draw 24 TB

For:

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

Attn: Mr. Mark J Larson

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:
1/4/2022 4:27:34 PM

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

LINKS

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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 24 TB

Laboratory Job ID: 880-9721-1
SDG: 21-0100-25

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Definitions/Glossary

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

Job ID: 880-9721-1
SDG: 21-0100-25

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.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 880-9721-1
SDG: 21-0100-25

Job ID: 880-9721-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-9721-1****Receipt**

The samples were received on 12/28/2021 8:00 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 -7.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-15714/21), (CCV 880-15714/34), (LCS 880-15693/1-A), (LCSD 880-15693/2-A) and (880-9683-A-1-C). 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 880-15693 and analytical batch 880-15714 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.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15746 and analytical batch 880-15825 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

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

Client Sample Results

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

Job ID: 880-9721-1
SDG: 21-0100-25

Client Sample ID: S1 0'

Lab Sample ID: 880-9721-1

Date Collected: 12/23/21 10:05

Matrix: Solid

Date Received: 12/28/21 08:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0399	U	0.0399	mg/Kg		12/29/21 08:23	12/30/21 10:39	20
Toluene	<0.0399	U	0.0399	mg/Kg		12/29/21 08:23	12/30/21 10:39	20
Ethylbenzene	<0.0399	U	0.0399	mg/Kg		12/29/21 08:23	12/30/21 10:39	20
m,p-Xylenes	<0.0798	U	0.0798	mg/Kg		12/29/21 08:23	12/30/21 10:39	20
o-Xylene	0.0654		0.0399	mg/Kg		12/29/21 08:23	12/30/21 10:39	20
Xylenes, Total	<0.0798	U	0.0798	mg/Kg		12/29/21 08:23	12/30/21 10:39	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/29/21 08:23	12/30/21 10:39	20
1,4-Difluorobenzene (Surr)	110		70 - 130	12/29/21 08:23	12/30/21 10:39	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0798	U	0.0798	mg/Kg			01/04/22 16:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/04/22 15:21	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	<50.0	U	50.0	mg/Kg		12/29/21 15:34	01/01/22 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/29/21 15:34	01/01/22 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/29/21 15:34	01/01/22 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	12/29/21 15:34	01/01/22 01:11	1
o-Terphenyl (Surr)	114		70 - 130	12/29/21 15:34	01/01/22 01:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14700	F1	99.6	mg/Kg			01/03/22 15:54	20

Client Sample ID: S2 .5'

Lab Sample ID: 880-9721-2

Date Collected: 12/23/21 10:07

Matrix: Solid

Date Received: 12/28/21 08:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0396	U	0.0396	mg/Kg		12/29/21 08:23	12/30/21 10:59	20
Toluene	<0.0396	U	0.0396	mg/Kg		12/29/21 08:23	12/30/21 10:59	20
Ethylbenzene	<0.0396	U	0.0396	mg/Kg		12/29/21 08:23	12/30/21 10:59	20
m,p-Xylenes	<0.0792	U	0.0792	mg/Kg		12/29/21 08:23	12/30/21 10:59	20
o-Xylene	<0.0396	U	0.0396	mg/Kg		12/29/21 08:23	12/30/21 10:59	20
Xylenes, Total	<0.0792	U	0.0792	mg/Kg		12/29/21 08:23	12/30/21 10:59	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/29/21 08:23	12/30/21 10:59	20
1,4-Difluorobenzene (Surr)	115		70 - 130	12/29/21 08:23	12/30/21 10:59	20

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-9721-1
SDG: 21-0100-25

Client Sample ID: S2 .5'

Lab Sample ID: 880-9721-2

Date Collected: 12/23/21 10:07

Matrix: Solid

Date Received: 12/28/21 08:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0792	U	0.0792	mg/Kg			01/04/22 16:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/04/22 15:21	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	<50.0	U	50.0	mg/Kg		12/29/21 15:34	01/01/22 01:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/29/21 15:34	01/01/22 01:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/29/21 15:34	01/01/22 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			12/29/21 15:34	01/01/22 01:32	1
o-Terphenyl (Surr)	118		70 - 130			12/29/21 15:34	01/01/22 01:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3580		24.8	mg/Kg			01/03/22 09:48	5

Client Sample ID: S3 1'

Lab Sample ID: 880-9721-3

Date Collected: 12/23/21 10:14

Matrix: Solid

Date Received: 12/28/21 08:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/29/21 08:23	12/30/21 05:03	1
Toluene	0.00470		0.00200	mg/Kg		12/29/21 08:23	12/30/21 05:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/29/21 08:23	12/30/21 05:03	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		12/29/21 08:23	12/30/21 05:03	1
o-Xylene	0.00204		0.00200	mg/Kg		12/29/21 08:23	12/30/21 05:03	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		12/29/21 08:23	12/30/21 05:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			12/29/21 08:23	12/30/21 05:03	1
1,4-Difluorobenzene (Surr)	79		70 - 130			12/29/21 08:23	12/30/21 05:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00674		0.00401	mg/Kg			01/04/22 16:22	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			01/04/22 15:21	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		12/29/21 15:34	01/01/22 01:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/29/21 15:34	01/01/22 01:53	1

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-9721-1
SDG: 21-0100-25

Client Sample ID: S3 1'

Lab Sample ID: 880-9721-3

Date Collected: 12/23/21 10:14

Matrix: Solid

Date Received: 12/28/21 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/29/21 15:34	01/01/22 01:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130			12/29/21 15:34	01/01/22 01:53	1
o-Terphenyl (Surr)	111		70 - 130			12/29/21 15:34	01/01/22 01:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.6		5.04	mg/Kg			01/03/22 10:00	1

Client Sample ID: S4 1.5'

Lab Sample ID: 880-9721-4

Date Collected: 12/23/21 10:20

Matrix: Solid

Date Received: 12/28/21 08:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/29/21 08:23	12/30/21 05:23	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/29/21 08:23	12/30/21 05:23	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/29/21 08:23	12/30/21 05:23	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/29/21 08:23	12/30/21 05:23	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/29/21 08:23	12/30/21 05:23	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/29/21 08:23	12/30/21 05:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			12/29/21 08:23	12/30/21 05:23	1
1,4-Difluorobenzene (Surr)	82		70 - 130			12/29/21 08:23	12/30/21 05:23	1

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			01/04/22 16:22	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			01/04/22 15:21	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		12/29/21 15:34	01/01/22 02:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/29/21 15:34	01/01/22 02:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/29/21 15:34	01/01/22 02:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			12/29/21 15:34	01/01/22 02:13	1
o-Terphenyl (Surr)	115		70 - 130			12/29/21 15:34	01/01/22 02:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		4.99	mg/Kg			01/03/22 10:12	1

Eurofins Xenco, Midland

Surrogate Summary

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

Job ID: 880-9721-1
SDG: 21-0100-25

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)
880-9683-A-1-A MS	Matrix Spike	132 S1+	73
880-9683-A-1-B MSD	Matrix Spike Duplicate	108	95
880-9721-1	S1 0'	100	110
880-9721-2	S2 .5'	125	115
880-9721-3	S3 1'	110	79
880-9721-4	S4 1.5'	125	82
LCS 880-15693/1-A	Lab Control Sample	99	96
LCSD 880-15693/2-A	Lab Control Sample Dup	146 S1+	109
MB 880-15651/5-A	Method Blank	104	102
MB 880-15693/5-A	Method Blank	117	105
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)
880-9721-1	S1 0'	97	114
880-9721-2	S2 .5'	100	118
880-9721-3	S3 1'	94	111
880-9721-4	S4 1.5'	100	115
890-1770-A-1-C MS	Matrix Spike	86	87
890-1770-A-1-D MSD	Matrix Spike Duplicate	87	88
LCS 880-15746/2-A	Lab Control Sample	112	108
LCSD 880-15746/3-A	Lab Control Sample Dup	100	96
MB 880-15746/1-A	Method Blank	108	132 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

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

Job ID: 880-9721-1
SDG: 21-0100-25

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-15651/5-A

Matrix: Solid

Analysis Batch: 15714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15651

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/28/21 13:02	12/29/21 12:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/28/21 13:02	12/29/21 12:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/28/21 13:02	12/29/21 12:43	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/28/21 13:02	12/29/21 12:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/28/21 13:02	12/29/21 12:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/28/21 13:02	12/29/21 12:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/28/21 13:02	12/29/21 12:43	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/28/21 13:02	12/29/21 12:43	1

Lab Sample ID: MB 880-15693/5-A

Matrix: Solid

Analysis Batch: 15714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15693

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/29/21 08:23	12/29/21 23:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/29/21 08:23	12/29/21 23:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/29/21 08:23	12/29/21 23:35	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/29/21 08:23	12/29/21 23:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/29/21 08:23	12/29/21 23:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/29/21 08:23	12/29/21 23:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/29/21 08:23	12/29/21 23:35	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/29/21 08:23	12/29/21 23:35	1

Lab Sample ID: LCS 880-15693/1-A

Matrix: Solid

Analysis Batch: 15714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15693

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-15693/2-A

Matrix: Solid

Analysis Batch: 15714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15693

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07766		mg/Kg		78	70 - 130	NaN	35
Toluene	0.100	0.07298		mg/Kg		73	70 - 130	NaN	35
Ethylbenzene	0.100	0.09873		mg/Kg		99	70 - 130	NaN	35
m,p-Xylenes	0.200	0.1998		mg/Kg		100	70 - 130	NaN	35
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130	NaN	35

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-9721-1
SDG: 21-0100-25

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

Lab Sample ID: LCSD 880-15693/2-A

Matrix: Solid

Analysis Batch: 15714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15693

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-9683-A-1-A MS

Matrix: Solid

Analysis Batch: 15714

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15693

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F2 F1	0.0996	0.03709	F1	mg/Kg		37	70 - 130
Toluene	<0.00199	U F1	0.0996	0.05151	F1	mg/Kg		52	70 - 130
Ethylbenzene	<0.00199	U F1	0.0996	0.05531	F1	mg/Kg		56	70 - 130
m,p-Xylenes	<0.00398	U F1	0.199	0.1246	F1	mg/Kg		63	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.06210	F1	mg/Kg		62	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	73		70 - 130

Lab Sample ID: 880-9683-A-1-B MSD

Matrix: Solid

Analysis Batch: 15714

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 15693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.0998	0.06682	F2 F1	mg/Kg		67	70 - 130	57	35
Toluene	<0.00199	U F1	0.0998	0.06868	F1	mg/Kg		69	70 - 130	29	35
Ethylbenzene	<0.00199	U F1	0.0998	0.06890	F1	mg/Kg		69	70 - 130	22	35
m,p-Xylenes	<0.00398	U F1	0.200	0.1420		mg/Kg		71	70 - 130	13	35
o-Xylene	<0.00199	U F1	0.0998	0.07328		mg/Kg		73	70 - 130	17	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-15746/1-A

Matrix: Solid

Analysis Batch: 15825

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15746

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		12/29/21 15:34	12/31/21 20:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/29/21 15:34	12/31/21 20:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/29/21 15:34	12/31/21 20:42	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	108		70 - 130	12/29/21 15:34	12/31/21 20:42	1		

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-9721-1
SDG: 21-0100-25

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

Lab Sample ID: MB 880-15746/1-A

Matrix: Solid

Analysis Batch: 15825

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15746

Surrogate	MB MB		Limits	Prepared		Dil Fac
	%Recovery	Qualifier				
<i>o</i> -Terphenyl (Surr)	132	S1+	70 - 130	12/29/21 15:34	12/31/21 20:42	1

Lab Sample ID: LCS 880-15746/2-A

Matrix: Solid

Analysis Batch: 15825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15746

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	941.7		mg/Kg		94	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1152		mg/Kg		115	70 - 130	
Surrogate	LCS LCS		Limits					
	%Recovery	Qualifier						
1-Chlorooctane (Surr)	112		70 - 130					
<i>o</i> -Terphenyl (Surr)	108		70 - 130					

Lab Sample ID: LCSD 880-15746/3-A

Matrix: Solid

Analysis Batch: 15825

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15746

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec.		RPD	
		Result	Qualifier				Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	888.9		mg/Kg		89	70 - 130		6	20
Diesel Range Organics (Over C10-C28)	1000	1107		mg/Kg		111	70 - 130		4	20
Surrogate	LCSD LCSD		Limits							
	%Recovery	Qualifier								
1-Chlorooctane (Surr)	100		70 - 130							
<i>o</i> -Terphenyl (Surr)	96		70 - 130							

Lab Sample ID: 890-1770-A-1-C MS

Matrix: Solid

Analysis Batch: 15825

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15746

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	484.2	F1	mg/Kg		46	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	456.9	F1	mg/Kg		46	70 - 130	
Surrogate	MS MS		Limits							
	%Recovery	Qualifier								
1-Chlorooctane (Surr)	86		70 - 130							
<i>o</i> -Terphenyl (Surr)	87		70 - 130							

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-9721-1
SDG: 21-0100-25

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

Lab Sample ID: 890-1770-A-1-D MSD

Matrix: Solid

Analysis Batch: 15825

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 15746

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 F1	999	495.1	F1	mg/Kg		47	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	467.3	F1	mg/Kg		47	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	87		70 - 130								
o-Terphenyl (Surr)	88		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-15704/1-A

Matrix: Solid

Analysis Batch: 15915

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			01/03/22 08:37	1

Lab Sample ID: LCS 880-15704/2-A

Matrix: Solid

Analysis Batch: 15915

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	225.6		mg/Kg		90	90 - 110

Lab Sample ID: LCSD 880-15704/3-A

Matrix: Solid

Analysis Batch: 15915

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	225.7		mg/Kg		90	90 - 110	0	20

Lab Sample ID: 880-9721-1 MS

Matrix: Solid

Analysis Batch: 15915

Client Sample ID: S1 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	14700	F1	4980	19080	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-9721-1 MSD

Matrix: Solid

Analysis Batch: 15915

Client Sample ID: S1 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	14700	F1	4980	18840	F1	mg/Kg		83	90 - 110	1	20

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-9721-1
SDG: 21-0100-25

GC VOA

Prep Batch: 15651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15651/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 15693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9721-1	S1 0'	Total/NA	Solid	5035	
880-9721-2	S2 .5'	Total/NA	Solid	5035	
880-9721-3	S3 1'	Total/NA	Solid	5035	
880-9721-4	S4 1.5'	Total/NA	Solid	5035	
MB 880-15693/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15693/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15693/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9683-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-9683-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9721-1	S1 0'	Total/NA	Solid	8021B	15693
880-9721-2	S2 .5'	Total/NA	Solid	8021B	15693
880-9721-3	S3 1'	Total/NA	Solid	8021B	15693
880-9721-4	S4 1.5'	Total/NA	Solid	8021B	15693
MB 880-15651/5-A	Method Blank	Total/NA	Solid	8021B	15651
MB 880-15693/5-A	Method Blank	Total/NA	Solid	8021B	15693
LCS 880-15693/1-A	Lab Control Sample	Total/NA	Solid	8021B	15693
LCSD 880-15693/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15693
880-9683-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	15693
880-9683-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	15693

Analysis Batch: 16004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9721-1	S1 0'	Total/NA	Solid	Total BTEX	
880-9721-2	S2 .5'	Total/NA	Solid	Total BTEX	
880-9721-3	S3 1'	Total/NA	Solid	Total BTEX	
880-9721-4	S4 1.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 15746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9721-1	S1 0'	Total/NA	Solid	8015NM Prep	
880-9721-2	S2 .5'	Total/NA	Solid	8015NM Prep	
880-9721-3	S3 1'	Total/NA	Solid	8015NM Prep	
880-9721-4	S4 1.5'	Total/NA	Solid	8015NM Prep	
MB 880-15746/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-15746/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1770-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1770-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9721-1	S1 0'	Total/NA	Solid	8015B NM	15746

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-9721-1
SDG: 21-0100-25

GC Semi VOA (Continued)

Analysis Batch: 15825 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9721-2	S2 .5'	Total/NA	Solid	8015B NM	15746
880-9721-3	S3 1'	Total/NA	Solid	8015B NM	15746
880-9721-4	S4 1.5'	Total/NA	Solid	8015B NM	15746
MB 880-15746/1-A	Method Blank	Total/NA	Solid	8015B NM	15746
LCS 880-15746/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15746
LCSD 880-15746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15746
890-1770-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	15746
890-1770-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	15746

Analysis Batch: 15912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9721-1	S1 0'	Total/NA	Solid	8015 NM	
880-9721-2	S2 .5'	Total/NA	Solid	8015 NM	
880-9721-3	S3 1'	Total/NA	Solid	8015 NM	
880-9721-4	S4 1.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 15704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9721-1	S1 0'	Soluble	Solid	DI Leach	
880-9721-2	S2 .5'	Soluble	Solid	DI Leach	
880-9721-3	S3 1'	Soluble	Solid	DI Leach	
880-9721-4	S4 1.5'	Soluble	Solid	DI Leach	
MB 880-15704/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15704/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15704/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9721-1 MS	S1 0'	Soluble	Solid	DI Leach	
880-9721-1 MSD	S1 0'	Soluble	Solid	DI Leach	

Analysis Batch: 15915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9721-1	S1 0'	Soluble	Solid	300.0	15704
880-9721-2	S2 .5'	Soluble	Solid	300.0	15704
880-9721-3	S3 1'	Soluble	Solid	300.0	15704
880-9721-4	S4 1.5'	Soluble	Solid	300.0	15704
MB 880-15704/1-A	Method Blank	Soluble	Solid	300.0	15704
LCS 880-15704/2-A	Lab Control Sample	Soluble	Solid	300.0	15704
LCSD 880-15704/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15704
880-9721-1 MS	S1 0'	Soluble	Solid	300.0	15704
880-9721-1 MSD	S1 0'	Soluble	Solid	300.0	15704

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-9721-1
SDG: 21-0100-25

Client Sample ID: S1 0'

Lab Sample ID: 880-9721-1

Date Collected: 12/23/21 10:05

Matrix: Solid

Date Received: 12/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	15693	12/29/21 08:23	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	15714	12/30/21 10:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			16004	01/04/22 16:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15912	01/04/22 15:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15746	12/29/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15825	01/01/22 01:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15704	12/29/21 08:44	CH	XEN MID
Soluble	Analysis	300.0		20			15915	01/03/22 15:54	CH	XEN MID

Client Sample ID: S2 .5'

Lab Sample ID: 880-9721-2

Date Collected: 12/23/21 10:07

Matrix: Solid

Date Received: 12/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	15693	12/29/21 08:23	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	15714	12/30/21 10:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			16004	01/04/22 16:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15912	01/04/22 15:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15746	12/29/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15825	01/01/22 01:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15704	12/29/21 08:44	CH	XEN MID
Soluble	Analysis	300.0		5			15915	01/03/22 09:48	CH	XEN MID

Client Sample ID: S3 1'

Lab Sample ID: 880-9721-3

Date Collected: 12/23/21 10:14

Matrix: Solid

Date Received: 12/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	15693	12/29/21 08:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15714	12/30/21 05:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			16004	01/04/22 16:22	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15912	01/04/22 15:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15746	12/29/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15825	01/01/22 01:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15704	12/29/21 08:44	CH	XEN MID
Soluble	Analysis	300.0		1			15915	01/03/22 10:00	CH	XEN MID

Client Sample ID: S4 1.5'

Lab Sample ID: 880-9721-4

Date Collected: 12/23/21 10:20

Matrix: Solid

Date Received: 12/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	15693	12/29/21 08:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15714	12/30/21 05:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			16004	01/04/22 16:22	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-9721-1
SDG: 21-0100-25

Client Sample ID: S4 1.5'
Date Collected: 12/23/21 10:20
Date Received: 12/28/21 08:00

Lab Sample ID: 880-9721-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			15912	01/04/22 15:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15746	12/29/21 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15825	01/01/22 02:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15704	12/29/21 08:44	CH	XEN MID
Soluble	Analysis	300.0		1			15915	01/03/22 10:12	CH	XEN MID

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

Accreditation/Certification Summary

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

Job ID: 880-9721-1
SDG: 21-0100-25

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

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

Method Summary

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

Job ID: 880-9721-1
SDG: 21-0100-25

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: Salado Draw 24 TB

Job ID: 880-9721-1
SDG: 21-0100-25

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9721-1	S1 0'	Solid	12/23/21 10:05	12/28/21 08:00
880-9721-2	S2 .5'	Solid	12/23/21 10:07	12/28/21 08:00
880-9721-3	S3 1'	Solid	12/23/21 10:14	12/28/21 08:00
880-9721-4	S4 1.5'	Solid	12/23/21 10:20	12/28/21 08:00

Aarson &
Associates, Inc.
Environmental Consultants

507 N Marengfeld Ste 202
Midland TX 79701
432-687 0901

Date Reported to

DATE 12/23/21 PAGE 1 OF 1
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Salado Draw 24 TB
LAI PROJECT # 21-0100 - 25 COLLECTOR Jeremy Reich

TRRP report?
☐ Yes ☒ No
S=SOIL W=WATER P=PAINT
A=AIR SL=SLUDGE
OT=OTHER

TIME ZONE
Time zone/State

Field
Sample I D

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃

H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

PRESERVATION

ANALYSES

BTEX MTBE ☐

TPH 418.1 ☐

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 ☐

RCL TOX ☐

TDS ☐

pH ☐

% MOISTURE ☐

EXPLOSIVES ☐

CHLORIDE ANIONS ☐

CYANIDE ☐

PECHLORATE ☐

ALKALINITY ☐

FIELD NOTES

202

51 0' 12/23 10:05 S 1

52 .5' 12/23 10:07 S 1

53 1' 12/23 10:14 S 1

54 1.5' 12/23 10:20 S 1

TOTAL

RELINQUISHED BY (Signature)

DATE/TIME 12/23/21 15:00

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME 12/24/21 08:00

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

LABORATORY

TURN AROUND TIME

NORMAL ☒

1 DAY ☐

2 DAY ☐

OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP -7.1/1.8 THERM# Ice

CUSTODY SEALS ☐ BROKEN ☒ INTACT ☐ NOT USED

CARRIER BILL #

AND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-9721-1

SDG Number: 21-0100-25

Login Number: 9721

List Number: 1

Creator: Teel, Brianna

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	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
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 Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-10776-1
Laboratory Sample Delivery Group: 21-0100-01
Client Project/Site: Salado Draw 24 CTB

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

Attn: Mr. Mark J Larson

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:
2/9/2022 2:57:27 PM

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

LINKS

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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: Salado Draw 24 CTB

Laboratory Job ID: 880-10776-1
SDG: 21-0100-01

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Definitions/Glossary

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

Job ID: 880-10776-1
SDG: 21-0100-01

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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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
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 24 CTB

Job ID: 880-10776-1
SDG: 21-0100-01

Job ID: 880-10776-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-10776-1**

Receipt

The samples were received on 2/1/2022 8:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18290 and analytical batch 880-18230 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.

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-18405 and analytical batch 880-18620 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28) These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18405 and analytical batch 880-18620 were outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-18367 and analytical batch 880-18608 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.

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-1

Lab Sample ID: 880-10776-1

Date Collected: 01/31/22 12:30

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: Surf

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 00:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 00:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 00:34	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 00:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 00:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/01/22 10:49	02/02/22 00:34	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/01/22 10:49	02/02/22 00:34	1

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			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 14:34	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		02/01/22 15:02	02/05/22 00:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 00:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130	02/01/22 15:02	02/05/22 00:26	1
o-Terphenyl (Surr)	87		70 - 130	02/01/22 15:02	02/05/22 00:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3120	F1	24.8	mg/Kg			02/07/22 22:54	5

Client Sample ID: S-1

Lab Sample ID: 880-10776-2

Date Collected: 01/31/22 12:31

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: .5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/01/22 10:49	02/02/22 00:55	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/01/22 10:49	02/02/22 00:55	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/01/22 10:49	02/02/22 00:55	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		02/01/22 10:49	02/02/22 00:55	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/01/22 10:49	02/02/22 00:55	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		02/01/22 10:49	02/02/22 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/01/22 10:49	02/02/22 00:55	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-1

Lab Sample ID: 880-10776-2

Date Collected: 01/31/22 12:31

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: .5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	84		70 - 130	02/01/22 10:49	02/02/22 00:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			02/07/22 15:26	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			02/07/22 14:34	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	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 00:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 00:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 00:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130			02/01/22 15:02	02/05/22 00:47	1
o-Terphenyl (Surr)	99		70 - 130			02/01/22 15:02	02/05/22 00:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	737		4.99	mg/Kg			02/07/22 23:16	1

Client Sample ID: S-1

Lab Sample ID: 880-10776-3

Date Collected: 01/31/22 12:32

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.0'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 01:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 01:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 01:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 01:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 01:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/01/22 10:49	02/02/22 01:15	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/01/22 10:49	02/02/22 01:15	1

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			02/07/22 15:26	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			02/07/22 14:34	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-1

Lab Sample ID: 880-10776-3

Date Collected: 01/31/22 12:32

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.0'

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		02/01/22 15:02	02/05/22 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 01:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			02/01/22 15:02	02/05/22 01:08	1
o-Terphenyl (Surr)	88		70 - 130			02/01/22 15:02	02/05/22 01:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	926		4.98	mg/Kg			02/07/22 23:24	1

Client Sample ID: S-1

Lab Sample ID: 880-10776-4

Date Collected: 01/31/22 12:33

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 01:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 01:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 01:36	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/01/22 10:49	02/02/22 01:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 01:36	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/01/22 10:49	02/02/22 01:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			02/01/22 10:49	02/02/22 01:36	1
1,4-Difluorobenzene (Surr)	111		70 - 130			02/01/22 10:49	02/02/22 01:36	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			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 14:34	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		02/01/22 15:02	02/05/22 01:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 01:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			02/01/22 15:02	02/05/22 01:29	1
o-Terphenyl (Surr)	87		70 - 130			02/01/22 15:02	02/05/22 01:29	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-1

Lab Sample ID: 880-10776-4

Date Collected: 01/31/22 12:33

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.6		5.00	mg/Kg			02/07/22 23:31	1

Client Sample ID: S-2

Lab Sample ID: 880-10776-5

Date Collected: 01/31/22 12:35

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: Surf

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 02:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 02:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 02:59	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 02:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 02:59	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 02:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			02/01/22 10:49	02/02/22 02:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130			02/01/22 10:49	02/02/22 02:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 14:34	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		02/01/22 15:02	02/05/22 02:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 02:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 02:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			02/01/22 15:02	02/05/22 02:09	1
o-Terphenyl (Surr)	89		70 - 130			02/01/22 15:02	02/05/22 02:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	217		4.98	mg/Kg			02/07/22 23:39	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-2

Lab Sample ID: 880-10776-6

Date Collected: 01/31/22 12:36

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: .5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 03:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 03:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 03:19	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 03:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 03:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	02/01/22 10:49	02/02/22 03:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/01/22 10:49	02/02/22 03:19	1

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			02/07/22 15:26	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			02/07/22 14:34	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	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 02:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 02:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	92		70 - 130	02/01/22 15:02	02/05/22 02:30	1
o-Terphenyl (Surr)	102		70 - 130	02/01/22 15:02	02/05/22 02:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.7		5.04	mg/Kg			02/08/22 00:01	1

Client Sample ID: S-2

Lab Sample ID: 880-10776-7

Date Collected: 01/31/22 12:37

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.0'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 03:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 03:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 03:40	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 03:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 03:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/01/22 10:49	02/02/22 03:40	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-2

Lab Sample ID: 880-10776-7

Date Collected: 01/31/22 12:37

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.0'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	02/01/22 10:49	02/02/22 03:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 14:34	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		02/01/22 15:02	02/05/22 02:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 02:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 02:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			02/01/22 15:02	02/05/22 02:50	1
o-Terphenyl (Surr)	83		70 - 130			02/01/22 15:02	02/05/22 02:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.59		4.97	mg/Kg			02/08/22 00:09	1

Client Sample ID: S-2

Lab Sample ID: 880-10776-8

Date Collected: 01/31/22 12:38

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 04:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 04:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 04:00	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 04:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 04:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/01/22 10:49	02/02/22 04:00	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/01/22 10:49	02/02/22 04:00	1

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			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 14:34	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-2

Lab Sample ID: 880-10776-8

Date Collected: 01/31/22 12:38

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.5'

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		02/01/22 15:02	02/05/22 03:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 03:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 03:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			02/01/22 15:02	02/05/22 03:10	1
o-Terphenyl (Surr)	86		70 - 130			02/01/22 15:02	02/05/22 03:10	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			02/08/22 00:16	1

Client Sample ID: S-3

Lab Sample ID: 880-10776-9

Date Collected: 01/31/22 12:40

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: Surf

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 04:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 04:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 04:21	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 04:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 04:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 04:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			02/01/22 10:49	02/02/22 04:21	1
1,4-Difluorobenzene (Surr)	119		70 - 130			02/01/22 10:49	02/02/22 04:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/07/22 15:26	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			02/07/22 14:34	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	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 03:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 03:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 03:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130			02/01/22 15:02	02/05/22 03:31	1
o-Terphenyl (Surr)	81		70 - 130			02/01/22 15:02	02/05/22 03:31	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-3

Lab Sample ID: 880-10776-9

Date Collected: 01/31/22 12:40

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: Surf

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4790		25.1	mg/Kg			02/08/22 00:24	5

Client Sample ID: S-3

Lab Sample ID: 880-10776-10

Date Collected: 01/31/22 12:41

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 04:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 04:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 04:41	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/01/22 10:49	02/02/22 04:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 04:41	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/01/22 10:49	02/02/22 04:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			02/01/22 10:49	02/02/22 04:41	1
1,4-Difluorobenzene (Surr)	134	S1+	70 - 130			02/01/22 10:49	02/02/22 04:41	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			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 14:34	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		02/01/22 15:02	02/05/22 03:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 03:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 03:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			02/01/22 15:02	02/05/22 03:51	1
o-Terphenyl (Surr)	86		70 - 130			02/01/22 15:02	02/05/22 03:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	860		4.95	mg/Kg			02/08/22 00:32	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-3

Lab Sample ID: 880-10776-11

Date Collected: 01/31/22 12:42

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.0'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 05:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 05:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 05:02	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 05:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 05:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	02/01/22 10:49	02/02/22 05:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/01/22 10:49	02/02/22 05:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 14:34	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		02/01/22 15:02	02/05/22 04:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 04:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130	02/01/22 15:02	02/05/22 04:12	1
o-Terphenyl (Surr)	86		70 - 130	02/01/22 15:02	02/05/22 04:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.4		4.99	mg/Kg			02/08/22 00:39	1

Client Sample ID: S-3

Lab Sample ID: 880-10776-12

Date Collected: 01/31/22 12:43

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 05:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 05:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 05:22	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 05:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/22 10:49	02/02/22 05:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/22 10:49	02/02/22 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	02/01/22 10:49	02/02/22 05:22	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-3

Lab Sample ID: 880-10776-12

Date Collected: 01/31/22 12:43

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	70		70 - 130	02/01/22 10:49	02/02/22 05:22	1

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			02/07/22 15:26	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			02/07/22 14:34	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	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 04:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 04:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 04:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130			02/01/22 15:02	02/05/22 04:32	1
o-Terphenyl (Surr)	79		70 - 130			02/01/22 15:02	02/05/22 04:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	377		4.98	mg/Kg			02/08/22 01:02	1

Client Sample ID: S-4

Lab Sample ID: 880-10776-13

Date Collected: 01/31/22 12:45

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: Surf

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 05:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 05:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 05:43	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 05:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/02/22 05:43	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/22 10:49	02/02/22 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/01/22 10:49	02/02/22 05:43	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/01/22 10:49	02/02/22 05:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 14:34	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-4

Lab Sample ID: 880-10776-13

Date Collected: 01/31/22 12:45

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: Surf

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		02/01/22 15:02	02/05/22 04:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 04:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/05/22 04:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			02/01/22 15:02	02/05/22 04:52	1
o-Terphenyl (Surr)	102		70 - 130			02/01/22 15:02	02/05/22 04:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2130	F1	24.8	mg/Kg			02/07/22 18:36	5

Client Sample ID: S-4

Lab Sample ID: 880-10776-14

Date Collected: 01/31/22 12:46

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: .5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/01/22 10:49	02/02/22 06:03	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/01/22 10:49	02/02/22 06:03	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/01/22 10:49	02/02/22 06:03	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		02/01/22 10:49	02/02/22 06:03	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/01/22 10:49	02/02/22 06:03	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		02/01/22 10:49	02/02/22 06:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			02/01/22 10:49	02/02/22 06:03	1
1,4-Difluorobenzene (Surr)	91		70 - 130			02/01/22 10:49	02/02/22 06:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			02/07/22 15:26	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			02/07/22 14:34	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	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 05:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 05:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/01/22 15:02	02/05/22 05:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	78		70 - 130			02/01/22 15:02	02/05/22 05:13	1
o-Terphenyl (Surr)	84		70 - 130			02/01/22 15:02	02/05/22 05:13	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-4

Lab Sample ID: 880-10776-14

Date Collected: 01/31/22 12:46

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: .5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1890		25.2	mg/Kg			02/08/22 12:36	5

Client Sample ID: S-4

Lab Sample ID: 880-10776-15

Date Collected: 01/31/22 12:47

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.0'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 14:11	02/02/22 01:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 14:11	02/02/22 01:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 14:11	02/02/22 01:40	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/22 14:11	02/02/22 01:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 14:11	02/02/22 01:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/22 14:11	02/02/22 01:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			02/01/22 14:11	02/02/22 01:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130			02/01/22 14:11	02/02/22 01:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/02/22 14:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 16:46	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	<50.0	U	50.0	mg/Kg		02/02/22 14:28	02/05/22 16:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U +	50.0	mg/Kg		02/02/22 14:28	02/05/22 16:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/22 14:28	02/05/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			02/02/22 14:28	02/05/22 16:30	1
o-Terphenyl (Surr)	80		70 - 130			02/02/22 14:28	02/05/22 16:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.3		4.99	mg/Kg			02/07/22 19:07	1

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Client Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-4

Lab Sample ID: 880-10776-16

Date Collected: 01/31/22 12:48

Matrix: Solid

Date Received: 02/01/22 08:57

Sample Depth: 1.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg	-	02/01/22 14:11	02/02/22 02:01	1
Toluene	<0.00202	U	0.00202	mg/Kg	-	02/01/22 14:11	02/02/22 02:01	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg	-	02/01/22 14:11	02/02/22 02:01	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg	-	02/01/22 14:11	02/02/22 02:01	1
o-Xylene	<0.00202	U	0.00202	mg/Kg	-	02/01/22 14:11	02/02/22 02:01	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg	-	02/01/22 14:11	02/02/22 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	02/01/22 14:11	02/02/22 02:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/01/22 14:11	02/02/22 02:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg	-		02/02/22 14:23	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	-		02/07/22 16:46	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	-	02/02/22 14:28	02/05/22 16:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9	mg/Kg	-	02/02/22 14:28	02/05/22 16:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	-	02/02/22 14:28	02/05/22 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130	02/02/22 14:28	02/05/22 16:51	1
o-Terphenyl (Surr)	116		70 - 130	02/02/22 14:28	02/05/22 16:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.97	mg/Kg	-		02/07/22 19:14	1

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Surrogate Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

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)
880-10776-1	S-1	116	110
880-10776-2	S-1	103	84
880-10776-3	S-1	104	103
880-10776-4	S-1	119	111
880-10776-5	S-2	108	108
880-10776-6	S-2	132 S1+	100
880-10776-7	S-2	117	105
880-10776-8	S-2	101	95
880-10776-9	S-3	127	119
880-10776-10	S-3	106	134 S1+
880-10776-11	S-3	121	100
880-10776-12	S-3	77	70
880-10776-13	S-4	101	100
880-10776-14	S-4	99	91
880-10776-15	S-4	125	93
880-10776-16	S-4	131 S1+	101
880-10783-A-1-A MS	Matrix Spike	123	80
880-10783-A-1-B MSD	Matrix Spike Duplicate	120	105
880-10803-A-1-A MS	Matrix Spike	122	101
880-10803-A-1-B MSD	Matrix Spike Duplicate	127	89
LCS 880-18257/1-A	Lab Control Sample	98	93
LCS 880-18290/1-A	Lab Control Sample	119	99
LCSD 880-18257/2-A	Lab Control Sample Dup	108	100
LCSD 880-18290/2-A	Lab Control Sample Dup	119	98
MB 880-18134/5-A	Method Blank	111	93
MB 880-18173/5-A	Method Blank	100	100
MB 880-18257/5-A	Method Blank	105	92
MB 880-18290/5-A	Method Blank	124	107

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)
880-10776-1	S-1	78	87
880-10776-2	S-1	91	99
880-10776-3	S-1	80	88
880-10776-4	S-1	79	87
880-10776-5	S-2	81	89
880-10776-6	S-2	92	102
880-10776-7	S-2	77	83
880-10776-8	S-2	80	86
880-10776-9	S-3	75	81
880-10776-10	S-3	78	86
880-10776-11	S-3	79	86

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Surrogate Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-10776-12	S-3	71	79
880-10776-13	S-4	93	102
880-10776-14	S-4	78	84
880-10776-15	S-4	79	80
880-10776-16	S-4	114	116
880-10781-A-24-D MS	Matrix Spike	79	77
880-10781-A-24-E MSD	Matrix Spike Duplicate	76	74
880-10891-A-21-D MS	Matrix Spike	72	75
880-10891-A-21-E MSD	Matrix Spike Duplicate	96	86
LCS 880-18300/2-A	Lab Control Sample	108	112
LCSD 880-18300/3-A	Lab Control Sample Dup	94	97
MB 880-18300/1-A	Method Blank	80	94

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (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	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-18405/2-A	Lab Control Sample	104	109
LCSD 880-18405/3-A	Lab Control Sample Dup	97	103
MB 880-18405/1-A	Method Blank	96	97

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18134/5-A

Matrix: Solid

Analysis Batch: 18230

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18134

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/31/22 10:12	02/01/22 11:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/31/22 10:12	02/01/22 11:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/31/22 10:12	02/01/22 11:33	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/31/22 10:12	02/01/22 11:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/31/22 10:12	02/01/22 11:33	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/31/22 10:12	02/01/22 11:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/31/22 10:12	02/01/22 11:33	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/31/22 10:12	02/01/22 11:33	1

Lab Sample ID: MB 880-18173/5-A

Matrix: Solid

Analysis Batch: 18229

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18173

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/22 07:30	02/01/22 11:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/22 07:30	02/01/22 11:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/22 07:30	02/01/22 11:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/22 07:30	02/01/22 11:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/22 07:30	02/01/22 11:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/22 07:30	02/01/22 11:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/01/22 07:30	02/01/22 11:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/01/22 07:30	02/01/22 11:16	1

Lab Sample ID: MB 880-18257/5-A

Matrix: Solid

Analysis Batch: 18229

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18257

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/01/22 22:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/01/22 22:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/01/22 22:10	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/01/22 10:49	02/01/22 22:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 10:49	02/01/22 22:10	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/01/22 10:49	02/01/22 22:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/01/22 10:49	02/01/22 22:10	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/01/22 10:49	02/01/22 22:10	1

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QC Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

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

Lab Sample ID: LCS 880-18257/1-A

Matrix: Solid

Analysis Batch: 18229

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08051		mg/Kg		81	70 - 130
Toluene	0.100	0.07929		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.07934		mg/Kg		79	70 - 130
m,p-Xylenes	0.200	0.1630		mg/Kg		81	70 - 130
o-Xylene	0.100	0.08031		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-18257/2-A

Matrix: Solid

Analysis Batch: 18229

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07638		mg/Kg		76	70 - 130	5	35
Toluene	0.100	0.07517		mg/Kg		75	70 - 130	5	35
Ethylbenzene	0.100	0.07382		mg/Kg		74	70 - 130	7	35
m,p-Xylenes	0.200	0.1590		mg/Kg		80	70 - 130	2	35
o-Xylene	0.100	0.08121		mg/Kg		81	70 - 130	1	35

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

Lab Sample ID: 880-10783-A-1-A MS

Matrix: Solid

Analysis Batch: 18229

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1 F2	0.0998	0.03462	F1	mg/Kg		35	70 - 130
Toluene	<0.00198	U F1 F2	0.0998	0.03843	F1	mg/Kg		39	70 - 130
Ethylbenzene	<0.00198	U F1 F2	0.0998	0.04297	F1	mg/Kg		43	70 - 130
m,p-Xylenes	<0.00397	U F1 F2	0.200	0.08946	F1	mg/Kg		45	70 - 130
o-Xylene	<0.00198	U F1 F2	0.0998	0.05000	F1	mg/Kg		50	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: 880-10783-A-1-B MSD

Matrix: Solid

Analysis Batch: 18229

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1 F2	0.0996	0.05950	F1 F2	mg/Kg		60	70 - 130	53	35
Toluene	<0.00198	U F1 F2	0.0996	0.06456	F1 F2	mg/Kg		65	70 - 130	51	35
Ethylbenzene	<0.00198	U F1 F2	0.0996	0.06675	F1 F2	mg/Kg		67	70 - 130	43	35

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QC Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

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

Lab Sample ID: 880-10783-A-1-B MSD

Matrix: Solid

Analysis Batch: 18229

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m,p-Xylenes	<0.00397	U F1 F2	0.199	0.1415	F2	mg/Kg		71	70 - 130	45	35
o-Xylene	<0.00198	U F1 F2	0.0996	0.07243	F2	mg/Kg		73	70 - 130	37	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	120		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

Lab Sample ID: MB 880-18290/5-A

Matrix: Solid

Analysis Batch: 18230

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18290

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/22 14:11	02/01/22 23:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/22 14:11	02/01/22 23:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/22 14:11	02/01/22 23:09	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/01/22 14:11	02/01/22 23:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/22 14:11	02/01/22 23:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/01/22 14:11	02/01/22 23:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			02/01/22 14:11	02/01/22 23:09	1
1,4-Difluorobenzene (Surr)	107		70 - 130			02/01/22 14:11	02/01/22 23:09	1

Lab Sample ID: LCS 880-18290/1-A

Matrix: Solid

Analysis Batch: 18230

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Benzene	0.100	0.08322		mg/Kg		83	70 - 130	
Toluene	0.100	0.08806		mg/Kg		88	70 - 130	
Ethylbenzene	0.100	0.08925		mg/Kg		89	70 - 130	
m,p-Xylenes	0.200	0.1841		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.09339		mg/Kg		93	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	119		70 - 130					
1,4-Difluorobenzene (Surr)	99		70 - 130					

Lab Sample ID: LCSD 880-18290/2-A

Matrix: Solid

Analysis Batch: 18230

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18290

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09189		mg/Kg		92	70 - 130	10	35
Toluene	0.100	0.09931		mg/Kg		99	70 - 130	12	35
Ethylbenzene	0.100	0.1025		mg/Kg		102	70 - 130	14	35
m,p-Xylenes	0.200	0.1970		mg/Kg		98	70 - 130	7	35
o-Xylene	0.100	0.09565		mg/Kg		96	70 - 130	2	35

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QC Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-10803-A-1-A MS

Matrix: Solid

Analysis Batch: 18230

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18290

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.0998	0.06752	F1	mg/Kg		68	70 - 130	
Toluene	<0.00200	U F1	0.0998	0.07065		mg/Kg		71	70 - 130	
Ethylbenzene	<0.00200	U	0.0998	0.07461		mg/Kg		75	70 - 130	
m,p-Xylenes	<0.00400	U F1	0.200	0.1447		mg/Kg		72	70 - 130	
o-Xylene	<0.00200	U F1	0.0998	0.07531		mg/Kg		75	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-10803-A-1-B MSD

Matrix: Solid

Analysis Batch: 18230

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18290

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00200	U F1	0.100	0.06064	F1	mg/Kg		60	70 - 130	11	35	
Toluene	<0.00200	U F1	0.100	0.06090	F1	mg/Kg		61	70 - 130	15	35	
Ethylbenzene	<0.00200	U	0.100	0.07085		mg/Kg		71	70 - 130	5	35	
m,p-Xylenes	<0.00400	U F1	0.201	0.1370	F1	mg/Kg		68	70 - 130	5	35	
o-Xylene	<0.00200	U F1	0.100	0.06873	F1	mg/Kg		68	70 - 130	9	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-18300/1-A

Matrix: Solid

Analysis Batch: 18545

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18300

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/04/22 20:46		1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/04/22 20:46		1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/01/22 15:02	02/04/22 20:46		1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane (Surr)	80		70 - 130	02/01/22 15:02	02/04/22 20:46		1			
o-Terphenyl (Surr)	94		70 - 130	02/01/22 15:02	02/04/22 20:46		1			

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QC Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

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

Lab Sample ID: LCS 880-18300/2-A

Matrix: Solid

Analysis Batch: 18545

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18300

Analyte			Spike	LCS	LCS	Unit	D	%Rec.		
			Added	Result	Qualifier			%Rec		
Gasoline Range Organics (GRO)-C6-C10			1000	809.6		mg/Kg		81	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1180		mg/Kg		118	70 - 130	
					</					

Lab Sample ID: LCSD 880-18300/3-A

Matrix: Solid

Analysis Batch: 18545

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18300

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	715.2		mg/Kg		72	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1029		mg/Kg		103	70 - 130	14	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	94		70 - 130								
o-Terphenyl (Surr)	97		70 - 130								

Lab Sample ID: 880-10781-A-24-D MS

Matrix: Solid

Analysis Batch: 18545

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18300

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	890.7		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1088		mg/Kg		107	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	79		70 - 130								
o-Terphenyl (Surr)	77		70 - 130								

Lab Sample ID: 880-10781-A-24-E MSD

Matrix: Solid

Analysis Batch: 18545

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18300

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	867.8		mg/Kg		84	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1050		mg/Kg		103	70 - 130	4	20
	</										

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QC Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

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

Lab Sample ID: 880-10781-A-24-E MSD

Matrix: Solid

Analysis Batch: 18545

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18300

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	74		70 - 130

Lab Sample ID: MB 880-18405/1-A

Matrix: Solid

Analysis Batch: 18620

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18405

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/02/22 14:28	02/05/22 11:54	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/02/22 14:28	02/05/22 11:54	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/22 14:28	02/05/22 11:54	1	
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	96		70 - 130			02/02/22 14:28	02/05/22 11:54	1	
<i>o</i> -Terphenyl (Surr)	97		70 - 130			02/02/22 14:28	02/05/22 11:54	1	

Lab Sample ID: LCS 880-18405/2-A

Matrix: Solid

Analysis Batch: 18620

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18405

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10		1000	1218		mg/Kg		122	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	1331	*+	mg/Kg		133	70 - 130	
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	104		70 - 130						
<i>o</i> -Terphenyl (Surr)	109		70 - 130						

Lab Sample ID: LCSD 880-18405/3-A

Matrix: Solid

Analysis Batch: 18620

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18405

		Spike	LCSD	LCSD				%Rec.		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10		1000	1098		mg/Kg		110	70 - 130	10	20	
Diesel Range Organics (Over C10-C28)		1000	1165		mg/Kg		117	70 - 130	13	20	
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	97		70 - 130								
<i>o</i> -Terphenyl (Surr)	103		70 - 130								

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QC Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

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

Lab Sample ID: 880-10891-A-21-D MS

Matrix: Solid

Analysis Batch: 18620

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18405

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	1000	996.6		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F1 F2	1000	1008		mg/Kg		101	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	72		70 - 130						
o-Terphenyl (Surr)	75		70 - 130						

Lab Sample ID: 880-10891-A-21-E MSD

Matrix: Solid

Analysis Batch: 18620

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18405

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	1148		mg/Kg		112	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F1 F2	998	1328	F1 F2	mg/Kg		133	70 - 130	27	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	96		70 - 130								
o-Terphenyl (Surr)	86		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18273/1-A

Matrix: Solid

Analysis Batch: 18605

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/07/22 22:31	1

Lab Sample ID: LCS 880-18273/2-A

Matrix: Solid

Analysis Batch: 18605

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	256.3		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-18273/3-A

Matrix: Solid

Analysis Batch: 18605

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	254.2		mg/Kg		102	90 - 110	1	20

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QC Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-10776-1 MS

Matrix: Solid

Analysis Batch: 18605

Client Sample ID: S-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3120	F1	1240	4522	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-10776-1 MSD

Matrix: Solid

Analysis Batch: 18605

Client Sample ID: S-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3120	F1	1240	4502	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: 880-10776-11 MS

Matrix: Solid

Analysis Batch: 18605

Client Sample ID: S-3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	59.4		250	334.4		mg/Kg		110	90 - 110

Lab Sample ID: 880-10776-11 MSD

Matrix: Solid

Analysis Batch: 18605

Client Sample ID: S-3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	59.4		250	330.6		mg/Kg		109	90 - 110	1	20

Lab Sample ID: MB 880-18367/1-A

Matrix: Solid

Analysis Batch: 18608

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/07/22 18:14	1

Lab Sample ID: LCS 880-18367/2-A

Matrix: Solid

Analysis Batch: 18608

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	251.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-18367/3-A

Matrix: Solid

Analysis Batch: 18608

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	252.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-10776-13 MS

Matrix: Solid

Analysis Batch: 18608

Client Sample ID: S-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2130	F1	1240	3741	F1	mg/Kg		130	90 - 110

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QC Sample Results

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

Job ID: 880-10776-1
SDG: 21-0100-01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-10776-13 MSD							Client Sample ID: S-4					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 18608												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	2130	F1	1240	3696	F1	mg/Kg		127	90 - 110	1	20	

QC Association Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

GC VOA

Prep Batch: 18134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-18134/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 18173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-18173/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 18229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-1	S-1	Total/NA	Solid	8021B	18257
880-10776-2	S-1	Total/NA	Solid	8021B	18257
880-10776-3	S-1	Total/NA	Solid	8021B	18257
880-10776-4	S-1	Total/NA	Solid	8021B	18257
880-10776-5	S-2	Total/NA	Solid	8021B	18257
880-10776-6	S-2	Total/NA	Solid	8021B	18257
880-10776-7	S-2	Total/NA	Solid	8021B	18257
880-10776-8	S-2	Total/NA	Solid	8021B	18257
880-10776-9	S-3	Total/NA	Solid	8021B	18257
880-10776-10	S-3	Total/NA	Solid	8021B	18257
880-10776-11	S-3	Total/NA	Solid	8021B	18257
880-10776-12	S-3	Total/NA	Solid	8021B	18257
880-10776-13	S-4	Total/NA	Solid	8021B	18257
880-10776-14	S-4	Total/NA	Solid	8021B	18257
MB 880-18173/5-A	Method Blank	Total/NA	Solid	8021B	18173
MB 880-18257/5-A	Method Blank	Total/NA	Solid	8021B	18257
LCS 880-18257/1-A	Lab Control Sample	Total/NA	Solid	8021B	18257
LCSD 880-18257/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18257
880-10783-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	18257
880-10783-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18257

Analysis Batch: 18230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-15	S-4	Total/NA	Solid	8021B	18290
880-10776-16	S-4	Total/NA	Solid	8021B	18290
MB 880-18134/5-A	Method Blank	Total/NA	Solid	8021B	18134
MB 880-18290/5-A	Method Blank	Total/NA	Solid	8021B	18290
LCS 880-18290/1-A	Lab Control Sample	Total/NA	Solid	8021B	18290
LCSD 880-18290/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18290
880-10803-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	18290
880-10803-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18290

Prep Batch: 18257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-1	S-1	Total/NA	Solid	5035	
880-10776-2	S-1	Total/NA	Solid	5035	
880-10776-3	S-1	Total/NA	Solid	5035	
880-10776-4	S-1	Total/NA	Solid	5035	
880-10776-5	S-2	Total/NA	Solid	5035	
880-10776-6	S-2	Total/NA	Solid	5035	
880-10776-7	S-2	Total/NA	Solid	5035	
880-10776-8	S-2	Total/NA	Solid	5035	
880-10776-9	S-3	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

GC VOA (Continued)

Prep Batch: 18257 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-10	S-3	Total/NA	Solid	5035	
880-10776-11	S-3	Total/NA	Solid	5035	
880-10776-12	S-3	Total/NA	Solid	5035	
880-10776-13	S-4	Total/NA	Solid	5035	
880-10776-14	S-4	Total/NA	Solid	5035	
MB 880-18257/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18257/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18257/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10783-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-10783-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 18290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-15	S-4	Total/NA	Solid	5035	
880-10776-16	S-4	Total/NA	Solid	5035	
MB 880-18290/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18290/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18290/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10803-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-10803-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 18402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-15	S-4	Total/NA	Solid	Total BTEX	
880-10776-16	S-4	Total/NA	Solid	Total BTEX	

Analysis Batch: 18770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-1	S-1	Total/NA	Solid	Total BTEX	
880-10776-2	S-1	Total/NA	Solid	Total BTEX	
880-10776-3	S-1	Total/NA	Solid	Total BTEX	
880-10776-4	S-1	Total/NA	Solid	Total BTEX	
880-10776-5	S-2	Total/NA	Solid	Total BTEX	
880-10776-6	S-2	Total/NA	Solid	Total BTEX	
880-10776-7	S-2	Total/NA	Solid	Total BTEX	
880-10776-8	S-2	Total/NA	Solid	Total BTEX	
880-10776-9	S-3	Total/NA	Solid	Total BTEX	
880-10776-10	S-3	Total/NA	Solid	Total BTEX	
880-10776-11	S-3	Total/NA	Solid	Total BTEX	
880-10776-12	S-3	Total/NA	Solid	Total BTEX	
880-10776-13	S-4	Total/NA	Solid	Total BTEX	
880-10776-14	S-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 18300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-1	S-1	Total/NA	Solid	8015NM Prep	
880-10776-2	S-1	Total/NA	Solid	8015NM Prep	
880-10776-3	S-1	Total/NA	Solid	8015NM Prep	
880-10776-4	S-1	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

GC Semi VOA (Continued)

Prep Batch: 18300 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-5	S-2	Total/NA	Solid	8015NM Prep	
880-10776-6	S-2	Total/NA	Solid	8015NM Prep	
880-10776-7	S-2	Total/NA	Solid	8015NM Prep	
880-10776-8	S-2	Total/NA	Solid	8015NM Prep	
880-10776-9	S-3	Total/NA	Solid	8015NM Prep	
880-10776-10	S-3	Total/NA	Solid	8015NM Prep	
880-10776-11	S-3	Total/NA	Solid	8015NM Prep	
880-10776-12	S-3	Total/NA	Solid	8015NM Prep	
880-10776-13	S-4	Total/NA	Solid	8015NM Prep	
880-10776-14	S-4	Total/NA	Solid	8015NM Prep	
MB 880-18300/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18300/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18300/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10781-A-24-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10781-A-24-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 18405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-15	S-4	Total/NA	Solid	8015NM Prep	
880-10776-16	S-4	Total/NA	Solid	8015NM Prep	
MB 880-18405/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18405/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10891-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10891-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 18545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-1	S-1	Total/NA	Solid	8015B NM	18300
880-10776-2	S-1	Total/NA	Solid	8015B NM	18300
880-10776-3	S-1	Total/NA	Solid	8015B NM	18300
880-10776-4	S-1	Total/NA	Solid	8015B NM	18300
880-10776-5	S-2	Total/NA	Solid	8015B NM	18300
880-10776-6	S-2	Total/NA	Solid	8015B NM	18300
880-10776-7	S-2	Total/NA	Solid	8015B NM	18300
880-10776-8	S-2	Total/NA	Solid	8015B NM	18300
880-10776-9	S-3	Total/NA	Solid	8015B NM	18300
880-10776-10	S-3	Total/NA	Solid	8015B NM	18300
880-10776-11	S-3	Total/NA	Solid	8015B NM	18300
880-10776-12	S-3	Total/NA	Solid	8015B NM	18300
880-10776-13	S-4	Total/NA	Solid	8015B NM	18300
880-10776-14	S-4	Total/NA	Solid	8015B NM	18300
MB 880-18300/1-A	Method Blank	Total/NA	Solid	8015B NM	18300
LCS 880-18300/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18300
LCSD 880-18300/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18300
880-10781-A-24-D MS	Matrix Spike	Total/NA	Solid	8015B NM	18300
880-10781-A-24-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	18300

Analysis Batch: 18620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-15	S-4	Total/NA	Solid	8015B NM	18405

Eurofins Midland

QC Association Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

GC Semi VOA (Continued)

Analysis Batch: 18620 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-16	S-4	Total/NA	Solid	8015B NM	18405
MB 880-18405/1-A	Method Blank	Total/NA	Solid	8015B NM	18405
LCS 880-18405/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18405
LCSD 880-18405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18405
880-10891-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	18405
880-10891-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	18405

Analysis Batch: 18747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-1	S-1	Total/NA	Solid	8015 NM	
880-10776-2	S-1	Total/NA	Solid	8015 NM	
880-10776-3	S-1	Total/NA	Solid	8015 NM	
880-10776-4	S-1	Total/NA	Solid	8015 NM	
880-10776-5	S-2	Total/NA	Solid	8015 NM	
880-10776-6	S-2	Total/NA	Solid	8015 NM	
880-10776-7	S-2	Total/NA	Solid	8015 NM	
880-10776-8	S-2	Total/NA	Solid	8015 NM	
880-10776-9	S-3	Total/NA	Solid	8015 NM	
880-10776-10	S-3	Total/NA	Solid	8015 NM	
880-10776-11	S-3	Total/NA	Solid	8015 NM	
880-10776-12	S-3	Total/NA	Solid	8015 NM	
880-10776-13	S-4	Total/NA	Solid	8015 NM	
880-10776-14	S-4	Total/NA	Solid	8015 NM	

Analysis Batch: 18777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-15	S-4	Total/NA	Solid	8015 NM	
880-10776-16	S-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 18273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-1	S-1	Soluble	Solid	DI Leach	
880-10776-2	S-1	Soluble	Solid	DI Leach	
880-10776-3	S-1	Soluble	Solid	DI Leach	
880-10776-4	S-1	Soluble	Solid	DI Leach	
880-10776-5	S-2	Soluble	Solid	DI Leach	
880-10776-6	S-2	Soluble	Solid	DI Leach	
880-10776-7	S-2	Soluble	Solid	DI Leach	
880-10776-8	S-2	Soluble	Solid	DI Leach	
880-10776-9	S-3	Soluble	Solid	DI Leach	
880-10776-10	S-3	Soluble	Solid	DI Leach	
880-10776-11	S-3	Soluble	Solid	DI Leach	
880-10776-12	S-3	Soluble	Solid	DI Leach	
MB 880-18273/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18273/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18273/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10776-1 MS	S-1	Soluble	Solid	DI Leach	
880-10776-1 MSD	S-1	Soluble	Solid	DI Leach	
880-10776-11 MS	S-3	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

HPLC/IC (Continued)

Leach Batch: 18273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-11 MSD	S-3	Soluble	Solid	DI Leach	

Leach Batch: 18367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-13	S-4	Soluble	Solid	DI Leach	
880-10776-14	S-4	Soluble	Solid	DI Leach	
880-10776-15	S-4	Soluble	Solid	DI Leach	
880-10776-16	S-4	Soluble	Solid	DI Leach	
MB 880-18367/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18367/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18367/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10776-13 MS	S-4	Soluble	Solid	DI Leach	
880-10776-13 MSD	S-4	Soluble	Solid	DI Leach	

Analysis Batch: 18605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-1	S-1	Soluble	Solid	300.0	18273
880-10776-2	S-1	Soluble	Solid	300.0	18273
880-10776-3	S-1	Soluble	Solid	300.0	18273
880-10776-4	S-1	Soluble	Solid	300.0	18273
880-10776-5	S-2	Soluble	Solid	300.0	18273
880-10776-6	S-2	Soluble	Solid	300.0	18273
880-10776-7	S-2	Soluble	Solid	300.0	18273
880-10776-8	S-2	Soluble	Solid	300.0	18273
880-10776-9	S-3	Soluble	Solid	300.0	18273
880-10776-10	S-3	Soluble	Solid	300.0	18273
880-10776-11	S-3	Soluble	Solid	300.0	18273
880-10776-12	S-3	Soluble	Solid	300.0	18273
MB 880-18273/1-A	Method Blank	Soluble	Solid	300.0	18273
LCS 880-18273/2-A	Lab Control Sample	Soluble	Solid	300.0	18273
LCSD 880-18273/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18273
880-10776-1 MS	S-1	Soluble	Solid	300.0	18273
880-10776-1 MSD	S-1	Soluble	Solid	300.0	18273
880-10776-11 MS	S-3	Soluble	Solid	300.0	18273
880-10776-11 MSD	S-3	Soluble	Solid	300.0	18273

Analysis Batch: 18608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10776-13	S-4	Soluble	Solid	300.0	18367
880-10776-14	S-4	Soluble	Solid	300.0	18367
880-10776-15	S-4	Soluble	Solid	300.0	18367
880-10776-16	S-4	Soluble	Solid	300.0	18367
MB 880-18367/1-A	Method Blank	Soluble	Solid	300.0	18367
LCS 880-18367/2-A	Lab Control Sample	Soluble	Solid	300.0	18367
LCSD 880-18367/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18367
880-10776-13 MS	S-4	Soluble	Solid	300.0	18367
880-10776-13 MSD	S-4	Soluble	Solid	300.0	18367

Eurofins Midland

Lab Chronicle

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-1

Lab Sample ID: 880-10776-1

Date Collected: 01/31/22 12:30

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 00:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 00:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		5			18605	02/07/22 22:54	CH	XEN MID

Client Sample ID: S-1

Lab Sample ID: 880-10776-2

Date Collected: 01/31/22 12:31

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 00:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 00:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/07/22 23:16	CH	XEN MID

Client Sample ID: S-1

Lab Sample ID: 880-10776-3

Date Collected: 01/31/22 12:32

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 01:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 01:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/07/22 23:24	CH	XEN MID

Client Sample ID: S-1

Lab Sample ID: 880-10776-4

Date Collected: 01/31/22 12:33

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 01:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-1

Lab Sample ID: 880-10776-4

Date Collected: 01/31/22 12:33

Matrix: Solid

Date Received: 02/01/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 01:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/07/22 23:31	CH	XEN MID

Client Sample ID: S-2

Lab Sample ID: 880-10776-5

Date Collected: 01/31/22 12:35

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 02:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 02:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/07/22 23:39	CH	XEN MID

Client Sample ID: S-2

Lab Sample ID: 880-10776-6

Date Collected: 01/31/22 12:36

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 03:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 02:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/08/22 00:01	CH	XEN MID

Client Sample ID: S-2

Lab Sample ID: 880-10776-7

Date Collected: 01/31/22 12:37

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 03:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 02:50	AJ	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-2

Lab Sample ID: 880-10776-7

Date Collected: 01/31/22 12:37

Matrix: Solid

Date Received: 02/01/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/08/22 00:09	CH	XEN MID

Client Sample ID: S-2

Lab Sample ID: 880-10776-8

Date Collected: 01/31/22 12:38

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 04:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 03:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/08/22 00:16	CH	XEN MID

Client Sample ID: S-3

Lab Sample ID: 880-10776-9

Date Collected: 01/31/22 12:40

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 04:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 03:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		5			18605	02/08/22 00:24	CH	XEN MID

Client Sample ID: S-3

Lab Sample ID: 880-10776-10

Date Collected: 01/31/22 12:41

Matrix: Solid

Date Received: 02/01/22 08:57

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	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 04:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 03:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/08/22 00:32	CH	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-3

Date Collected: 01/31/22 12:42

Date Received: 02/01/22 08:57

Lab Sample ID: 880-10776-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 05:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 04:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/08/22 00:39	CH	XEN MID

Client Sample ID: S-3

Date Collected: 01/31/22 12:43

Date Received: 02/01/22 08:57

Lab Sample ID: 880-10776-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 05:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 04:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18273	02/01/22 12:13	SC	XEN MID
Soluble	Analysis	300.0		1			18605	02/08/22 01:02	CH	XEN MID

Client Sample ID: S-4

Date Collected: 01/31/22 12:45

Date Received: 02/01/22 08:57

Lab Sample ID: 880-10776-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 05:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 04:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18367	02/02/22 12:03	CH	XEN MID
Soluble	Analysis	300.0		5			18608	02/07/22 18:36	CH	XEN MID

Client Sample ID: S-4

Date Collected: 01/31/22 12:46

Date Received: 02/01/22 08:57

Lab Sample ID: 880-10776-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	18257	02/01/22 10:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18229	02/02/22 06:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-10776-1
SDG: 21-0100-01

Client Sample ID: S-4

Lab Sample ID: 880-10776-14

Date Collected: 01/31/22 12:46

Matrix: Solid

Date Received: 02/01/22 08:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			18747	02/07/22 14:34	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18300	02/01/22 15:02	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18545	02/05/22 05:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	18367	02/02/22 12:03	CH	XEN MID
Soluble	Analysis	300.0		5			18608	02/08/22 12:36	CH	XEN MID

Client Sample ID: S-4

Lab Sample ID: 880-10776-15

Date Collected: 01/31/22 12:47

Matrix: Solid

Date Received: 02/01/22 08:57

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	18290	02/01/22 14:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18230	02/02/22 01:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18402	02/02/22 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18405	02/02/22 14:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18620	02/05/22 16:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18367	02/02/22 12:03	CH	XEN MID
Soluble	Analysis	300.0		1			18608	02/07/22 19:07	CH	XEN MID

Client Sample ID: S-4

Lab Sample ID: 880-10776-16

Date Collected: 01/31/22 12:48

Matrix: Solid

Date Received: 02/01/22 08:57

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	18290	02/01/22 14:11	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18230	02/02/22 02:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			18402	02/02/22 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18405	02/02/22 14:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18620	02/05/22 16:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18367	02/02/22 12:03	CH	XEN MID
Soluble	Analysis	300.0		1			18608	02/07/22 19:14	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	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

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

Method Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

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

Sample Summary

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

Job ID: 880-10776-1
SDG: 21-0100-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-10776-1	S-1	Solid	01/31/22 12:30	02/01/22 08:57	Surf
880-10776-2	S-1	Solid	01/31/22 12:31	02/01/22 08:57	.5'
880-10776-3	S-1	Solid	01/31/22 12:32	02/01/22 08:57	1.0'
880-10776-4	S-1	Solid	01/31/22 12:33	02/01/22 08:57	1.5'
880-10776-5	S-2	Solid	01/31/22 12:35	02/01/22 08:57	Surf
880-10776-6	S-2	Solid	01/31/22 12:36	02/01/22 08:57	.5'
880-10776-7	S-2	Solid	01/31/22 12:37	02/01/22 08:57	1.0'
880-10776-8	S-2	Solid	01/31/22 12:38	02/01/22 08:57	1.5'
880-10776-9	S-3	Solid	01/31/22 12:40	02/01/22 08:57	Surf
880-10776-10	S-3	Solid	01/31/22 12:41	02/01/22 08:57	5'
880-10776-11	S-3	Solid	01/31/22 12:42	02/01/22 08:57	1.0'
880-10776-12	S-3	Solid	01/31/22 12:43	02/01/22 08:57	1.5'
880-10776-13	S-4	Solid	01/31/22 12:45	02/01/22 08:57	Surf
880-10776-14	S-4	Solid	01/31/22 12:46	02/01/22 08:57	.5'
880-10776-15	S-4	Solid	01/31/22 12:47	02/01/22 08:57	1.0'
880-10776-16	S-4	Solid	01/31/22 12:48	02/01/22 08:57	1.5'

Varson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 1-31-22 PAGE 1 OF 2
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: Salado Draw 24 CTB
LAI PROJECT #: 21-0100-01 COLLECTOR: TP

TRRP report?
☐ Yes ☒ No

TIME ZONE:
Time zone/State: MST/ NM

S=SOIL
W=WATER
A=AIR

P=PAINT
SL=SLUDGE
OT=OTHER

PRESERVATION

HCl
HNO₃
H₂SO₄ ☐ NaOH ☐
ICE
UNPRESERVED

ANALYSES

BTEX ☐ MTBE ☐
TPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☐
DIESEL - MOD 8015 ☐
OIL - MOD 8015 ☐
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
TCPP - METALS (RCRA) ☐ Semi-VOC ☐
TOTAL METALS (RCRA) ☐ OTHER LIST ☐
LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐
RCI ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
PH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PENTACHLORATE ☐
CHLORIDES ☐ ANIONS ☐ ALKALINITY ☐

FIELD NOTES

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
S-1 Surf.		1/31/22	1230	S	1				X		X X X X	
S-1 .5'			1231									
S-1 1.0'			1232									
S-1 1.5'			1233									
S-2 Surf.			1235									
S-2 .5'			1236									
S-2 1.0'			1237									
S-2 1.5'			1238									
S-3 Surf.			1240									
S-3 .5'			1241									
S-3 1.0'			1242									
S-3 1.5'			1243									
S-4 Surf.			1245									
S-4 .5'			1246									
S-4 1.0'			1247									
TOTAL 15												



880-10776 Chain of Custody

RELINQUISHED BY: (Signature) [Signature]

DATE/TIME 2/1/22

RECEIVED BY: (Signature) [Signature]

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY.

RELINQUISHED BY: (Signature) [Signature]

DATE/TIME 2/1/22

RECEIVED BY: (Signature) [Signature]

RELINQUISHED BY: (Signature) [Signature]

DATE/TIME 2/1/22

RECEIVED BY: (Signature) [Signature]

LABORATORY: Kenco

RECEIVING TEMP: 11.2 THERM#: 1128
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

10710

CHAIN-OF-CUSTODY

No. 2416

2/9/2022

[illegible]

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-10776-1

SDG Number: 21-0100-01

Login Number: 10776

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-12068-1

Laboratory Sample Delivery Group: 21-0100-25
Client Project/Site: Salado Draw 24 Tank Battery
Revision: 1

For:

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

Attn: Mr. Mark J Larson

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:
3/17/2022 5:19:46 PM

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

LINKS

Review your project
results through

TotalAccess

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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: Salado Draw 24 Tank Battery

Laboratory Job ID: 880-12068-1
SDG: 21-0100-25

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Definitions/Glossary

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

Job ID: 880-12068-1
SDG: 21-0100-25

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 880-12068-1
SDG: 21-0100-25

Job ID: 880-12068-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-12068-1

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 3/14/2022. The report (revision 1) is being revised to change sample IDs 5-1 WH to S-9, 5-2 NH to S-6, 5-2 EH to S-7, and 5-2 SH to S-8 per Robert Nelson (email).

Receipt

The samples were received on 3/4/2022 3:29 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 10.7° C.

GC VOA

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

GC Semi VOA

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-21111/2-A) and (LCSD 880-21111/3-A). Evidence of matrix interferences is not obvious.

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

Client Sample Results

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

Job ID: 880-12068-1
SDG: 21-0100-25

Client Sample ID: S-9

Lab Sample ID: 880-12068-1

Date Collected: 03/04/22 11:00

Matrix: Solid

Date Received: 03/04/22 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/10/22 07:30	03/10/22 12:32	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/10/22 07:30	03/10/22 12:32	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/10/22 07:30	03/10/22 12:32	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		03/10/22 07:30	03/10/22 12:32	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/10/22 07:30	03/10/22 12:32	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/10/22 07:30	03/10/22 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/10/22 07:30	03/10/22 12:32	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/10/22 07:30	03/10/22 12:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/10/22 16:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/09/22 18:43	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 F2	49.8	mg/Kg		03/08/22 08:38	03/08/22 22:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8	mg/Kg		03/08/22 08:38	03/08/22 22:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/08/22 08:38	03/08/22 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130	03/08/22 08:38	03/08/22 22:14	1
o-Terphenyl (Surr)	97		70 - 130	03/08/22 08:38	03/08/22 22:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.69		4.96	mg/Kg			03/10/22 14:13	1

Client Sample ID: S-6

Lab Sample ID: 880-12068-2

Date Collected: 03/04/22 11:15

Matrix: Solid

Date Received: 03/04/22 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/10/22 07:30	03/10/22 12:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/10/22 07:30	03/10/22 12:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/22 07:30	03/10/22 12:52	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/10/22 07:30	03/10/22 12:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/22 07:30	03/10/22 12:52	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/10/22 07:30	03/10/22 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/10/22 07:30	03/10/22 12:52	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/10/22 07:30	03/10/22 12:52	1

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Client Sample Results

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

Job ID: 880-12068-1
SDG: 21-0100-25

Client Sample ID: S-6

Lab Sample ID: 880-12068-2

Date Collected: 03/04/22 11:15

Matrix: Solid

Date Received: 03/04/22 15:29

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/10/22 16:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/09/22 18:43	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		03/08/22 08:38	03/08/22 23:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0	mg/Kg		03/08/22 08:38	03/08/22 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/08/22 08:38	03/08/22 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130			03/08/22 08:38	03/08/22 23:17	1
o-Terphenyl (Surr)	100		70 - 130			03/08/22 08:38	03/08/22 23:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95	mg/Kg			03/10/22 14:19	1

Client Sample ID: S-7

Lab Sample ID: 880-12068-3

Date Collected: 03/04/22 11:30

Matrix: Solid

Date Received: 03/04/22 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/11/22 08:50	03/11/22 18:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/11/22 08:50	03/11/22 18:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/11/22 08:50	03/11/22 18:24	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		03/11/22 08:50	03/11/22 18:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/11/22 08:50	03/11/22 18:24	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/11/22 08:50	03/11/22 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			03/11/22 08:50	03/11/22 18:24	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/11/22 08:50	03/11/22 18:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/10/22 16:36	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			03/09/22 18:43	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	<49.9	U	49.9	mg/Kg		03/08/22 08:38	03/08/22 23:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9	mg/Kg		03/08/22 08:38	03/08/22 23:39	1

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Client Sample Results

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

Job ID: 880-12068-1
SDG: 21-0100-25

Client Sample ID: S-7

Date Collected: 03/04/22 11:30

Date Received: 03/04/22 15:29

Lab Sample ID: 880-12068-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/08/22 08:38	03/08/22 23:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			03/08/22 08:38	03/08/22 23:39	1
o-Terphenyl (Surr)	107		70 - 130			03/08/22 08:38	03/08/22 23:39	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			03/10/22 14:37	1

Client Sample ID: S-8

Date Collected: 03/04/22 11:45

Date Received: 03/04/22 15:29

Lab Sample ID: 880-12068-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/11/22 08:50	03/11/22 18:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/11/22 08:50	03/11/22 18:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/11/22 08:50	03/11/22 18:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		03/11/22 08:50	03/11/22 18:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/11/22 08:50	03/11/22 18:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/11/22 08:50	03/11/22 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			03/11/22 08:50	03/11/22 18:44	1
1,4-Difluorobenzene (Surr)	105		70 - 130			03/11/22 08:50	03/11/22 18:44	1

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			03/10/22 16:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/09/22 18:43	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		03/08/22 08:38	03/09/22 00:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8	mg/Kg		03/08/22 08:38	03/09/22 00:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/08/22 08:38	03/09/22 00:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			03/08/22 08:38	03/09/22 00:00	1
o-Terphenyl (Surr)	89		70 - 130			03/08/22 08:38	03/09/22 00:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.4		4.98	mg/Kg			03/10/22 14:43	1

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Surrogate Summary

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

Job ID: 880-12068-1
SDG: 21-0100-25

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)
880-12068-1	S-9	105	103
880-12068-1 MS	S-9	95	100
880-12068-1 MSD	S-9	101	98
880-12068-2	S-6	103	101
880-12068-3	S-7	108	103
880-12068-4	S-8	110	105
880-12254-A-1-E MS	Matrix Spike	102	104
880-12254-A-1-F MSD	Matrix Spike Duplicate	102	103
LCS 880-21130/1-A	Lab Control Sample	100	102
LCS 880-21365/1-A	Lab Control Sample	94	103
LCSD 880-21130/2-A	Lab Control Sample Dup	100	100
LCSD 880-21365/2-A	Lab Control Sample Dup	97	98
MB 880-21130/5-A	Method Blank	97	99
MB 880-21365/5-A	Method Blank	97	101
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)
880-12068-1	S-9	95	97
880-12068-1 MS	S-9	102	94
880-12068-1 MSD	S-9	116	108
880-12068-2	S-6	100	100
880-12068-3	S-7	109	107
880-12068-4	S-8	87	89
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (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	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-21111/2-A	Lab Control Sample	125	142 S1+
LCSD 880-21111/3-A	Lab Control Sample Dup	122	141 S1+
MB 880-21111/1-A	Method Blank	109	115
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

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QC Sample Results

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

Job ID: 880-12068-1
SDG: 21-0100-25

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21130/5-A

Matrix: Solid

Analysis Batch: 21274

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21130

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/10/22 07:30	03/10/22 12:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/10/22 07:30	03/10/22 12:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/10/22 07:30	03/10/22 12:03	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/10/22 07:30	03/10/22 12:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/10/22 07:30	03/10/22 12:03	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/10/22 07:30	03/10/22 12:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/10/22 07:30	03/10/22 12:03	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/10/22 07:30	03/10/22 12:03	1

Lab Sample ID: LCS 880-21130/1-A

Matrix: Solid

Analysis Batch: 21274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1017		mg/Kg		102	70 - 130
Toluene	0.100	0.09658		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09798		mg/Kg		98	70 - 130
m,p-Xylenes	0.200	0.2291		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1114		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-21130/2-A

Matrix: Solid

Analysis Batch: 21274

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1002		mg/Kg		100	70 - 130	1	35
Toluene	0.100	0.09683		mg/Kg		97	70 - 130	0	35
Ethylbenzene	0.100	0.09849		mg/Kg		98	70 - 130	1	35
m,p-Xylenes	0.200	0.2315		mg/Kg		116	70 - 130	1	35
o-Xylene	0.100	0.1123		mg/Kg		112	70 - 130	1	35

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

Lab Sample ID: 880-12068-1 MS

Matrix: Solid

Analysis Batch: 21274

Client Sample ID: S-9

Prep Type: Total/NA

Prep Batch: 21130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.101	0.09449		mg/Kg		94	70 - 130
Toluene	<0.00198	U	0.101	0.08971		mg/Kg		89	70 - 130

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QC Sample Results

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

Job ID: 880-12068-1
SDG: 21-0100-25

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

Lab Sample ID: 880-12068-1 MS

Matrix: Solid

Analysis Batch: 21274

Client Sample ID: S-9

Prep Type: Total/NA

Prep Batch: 21130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00198	U	0.101	0.09035		mg/Kg		90	70 - 130
m,p-Xylenes	<0.00397	U	0.201	0.2117		mg/Kg		105	70 - 130
o-Xylene	<0.00198	U	0.101	0.1026		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-12068-1 MSD

Matrix: Solid

Analysis Batch: 21274

Client Sample ID: S-9

Prep Type: Total/NA

Prep Batch: 21130

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00198	U	0.100	0.08764		mg/Kg		87	70 - 130	8	35
Toluene	<0.00198	U	0.100	0.08647		mg/Kg		86	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.100	0.09413		mg/Kg		94	70 - 130	4	35
m,p-Xylenes	<0.00397	U	0.201	0.2119		mg/Kg		106	70 - 130	0	35
o-Xylene	<0.00198	U	0.100	0.1036		mg/Kg		103	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-21365/5-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21365

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/11/22 08:50	03/11/22 12:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/11/22 08:50	03/11/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/11/22 08:50	03/11/22 12:40	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		03/11/22 08:50	03/11/22 12:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/11/22 08:50	03/11/22 12:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/11/22 08:50	03/11/22 12:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/11/22 08:50	03/11/22 12:40	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/11/22 08:50	03/11/22 12:40	1

Lab Sample ID: LCS 880-21365/1-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09712		mg/Kg		97	70 - 130
Toluene	0.100	0.09327		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09429		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.2190		mg/Kg		109	70 - 130

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QC Sample Results

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

Job ID: 880-12068-1
SDG: 21-0100-25

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

Lab Sample ID: LCS 880-21365/1-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-21365/2-A

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09481		mg/Kg		95	70 - 130	2	35
Toluene	0.100	0.09272		mg/Kg		93	70 - 130	1	35
Ethylbenzene	0.100	0.09409		mg/Kg		94	70 - 130	0	35
m,p-Xylenes	0.200	0.2206		mg/Kg		110	70 - 130	1	35
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-12254-A-1-E MS

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.0998	0.08929		mg/Kg		89	70 - 130
Toluene	<0.00199	U F1	0.0998	0.07024		mg/Kg		70	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.05491	F1	mg/Kg		54	70 - 130
m,p-Xylenes	<0.00398	U F1	0.200	0.09500	F1	mg/Kg		48	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.06803	F1	mg/Kg		68	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-12254-A-1-F MSD

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21365

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U	0.0996	0.07551		mg/Kg		76	70 - 130	17	35
Toluene	<0.00199	U F1	0.0996	0.05814	F1	mg/Kg		58	70 - 130	19	35
Ethylbenzene	<0.00199	U F1	0.0996	0.04339	F1	mg/Kg		43	70 - 130	23	35
m,p-Xylenes	<0.00398	U F1	0.199	0.07847	F1	mg/Kg		39	70 - 130	19	35
o-Xylene	<0.00199	U F1	0.0996	0.05406	F1	mg/Kg		54	70 - 130	23	35

Eurofins Midland

QC Sample Results

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

Job ID: 880-12068-1
SDG: 21-0100-25

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

Lab Sample ID: 880-12254-A-1-F MSD

Matrix: Solid

Analysis Batch: 21366

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21365

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-21111/1-A

Matrix: Solid

Analysis Batch: 21120

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21111

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/08/22 08:38	03/08/22 21:10	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/08/22 08:38	03/08/22 21:10	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/08/22 08:38	03/08/22 21:10	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
1-Chlorooctane (Surr)	109		70 - 130			03/08/22 08:38	03/08/22 21:10	1	
o-Terphenyl (Surr)	115		70 - 130			03/08/22 08:38	03/08/22 21:10	1	

Lab Sample ID: LCS 880-21111/2-A

Matrix: Solid

Analysis Batch: 21120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21111

	Spike	LCS	LCS						
Analyte	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	809.6		mg/Kg		81		70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1347	*+	mg/Kg		135		70 - 130	
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	125		70 - 130						
o-Terphenyl (Surr)	142	S1+	70 - 130						

Lab Sample ID: LCSD 880-21111/3-A

Matrix: Solid

Analysis Batch: 21120

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21111

	Spike	LCSD	LCSD						
Analyte	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	813.6		mg/Kg		81		0	20
Diesel Range Organics (Over C10-C28)	1000	1330	*+	mg/Kg		133		1	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	122		70 - 130						
o-Terphenyl (Surr)	141	S1+	70 - 130						

Eurofins Midland

QC Sample Results

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

Job ID: 880-12068-1
SDG: 21-0100-25

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

Lab Sample ID: 880-12068-1 MS

Matrix: Solid

Analysis Batch: 21120

Client Sample ID: S-9

Prep Type: Total/NA

Prep Batch: 21111

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	998	910.0		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U *+	998	918.3		mg/Kg		90	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	102		70 - 130						
o-Terphenyl (Surr)	94		70 - 130						

Lab Sample ID: 880-12068-1 MSD

Matrix: Solid

Analysis Batch: 21120

Client Sample ID: S-9

Prep Type: Total/NA

Prep Batch: 21111

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	998	1152	F2	mg/Kg		115	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<49.8	U *+	998	1064		mg/Kg		105	70 - 130	15	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	116		70 - 130								
o-Terphenyl (Surr)	108		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21032/1-A

Matrix: Solid

Analysis Batch: 21201

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			03/10/22 11:07	1

Lab Sample ID: LCS 880-21032/2-A

Matrix: Solid

Analysis Batch: 21201

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	253.0		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-21032/3-A

Matrix: Solid

Analysis Batch: 21201

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	261.7		mg/Kg		105	90 - 110	3	20

Eurofins Midland

QC Sample Results

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

Job ID: 880-12068-1
SDG: 21-0100-25

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-12068-2 MS

Matrix: Solid

Analysis Batch: 21201

Client Sample ID: S-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.95	U	248	246.7		mg/Kg		100	90 - 110

Lab Sample ID: 880-12068-2 MSD

Matrix: Solid

Analysis Batch: 21201

Client Sample ID: S-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.95	U	248	249.2		mg/Kg		101	90 - 110	1	20

QC Association Summary

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

Job ID: 880-12068-1
SDG: 21-0100-25

GC VOA

Prep Batch: 21130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-1	S-9	Total/NA	Solid	5035	
880-12068-2	S-6	Total/NA	Solid	5035	
MB 880-21130/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21130/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21130/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12068-1 MS	S-9	Total/NA	Solid	5035	
880-12068-1 MSD	S-9	Total/NA	Solid	5035	

Analysis Batch: 21274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-1	S-9	Total/NA	Solid	8021B	21130
880-12068-2	S-6	Total/NA	Solid	8021B	21130
MB 880-21130/5-A	Method Blank	Total/NA	Solid	8021B	21130
LCS 880-21130/1-A	Lab Control Sample	Total/NA	Solid	8021B	21130
LCSD 880-21130/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21130
880-12068-1 MS	S-9	Total/NA	Solid	8021B	21130
880-12068-1 MSD	S-9	Total/NA	Solid	8021B	21130

Analysis Batch: 21340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-1	S-9	Total/NA	Solid	Total BTEX	
880-12068-2	S-6	Total/NA	Solid	Total BTEX	
880-12068-3	S-7	Total/NA	Solid	Total BTEX	
880-12068-4	S-8	Total/NA	Solid	Total BTEX	

Prep Batch: 21365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-3	S-7	Total/NA	Solid	5035	
880-12068-4	S-8	Total/NA	Solid	5035	
MB 880-21365/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21365/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21365/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12254-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-12254-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 21366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-3	S-7	Total/NA	Solid	8021B	21365
880-12068-4	S-8	Total/NA	Solid	8021B	21365
MB 880-21365/5-A	Method Blank	Total/NA	Solid	8021B	21365
LCS 880-21365/1-A	Lab Control Sample	Total/NA	Solid	8021B	21365
LCSD 880-21365/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21365
880-12254-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	21365
880-12254-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21365

GC Semi VOA

Prep Batch: 21111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-1	S-9	Total/NA	Solid	8015NM Prep	
880-12068-2	S-6	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

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

Job ID: 880-12068-1
SDG: 21-0100-25

GC Semi VOA (Continued)

Prep Batch: 21111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-3	S-7	Total/NA	Solid	8015NM Prep	
880-12068-4	S-8	Total/NA	Solid	8015NM Prep	
MB 880-21111/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21111/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21111/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12068-1 MS	S-9	Total/NA	Solid	8015NM Prep	
880-12068-1 MSD	S-9	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-1	S-9	Total/NA	Solid	8015B NM	21111
880-12068-2	S-6	Total/NA	Solid	8015B NM	21111
880-12068-3	S-7	Total/NA	Solid	8015B NM	21111
880-12068-4	S-8	Total/NA	Solid	8015B NM	21111
MB 880-21111/1-A	Method Blank	Total/NA	Solid	8015B NM	21111
LCS 880-21111/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21111
LCSD 880-21111/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21111
880-12068-1 MS	S-9	Total/NA	Solid	8015B NM	21111
880-12068-1 MSD	S-9	Total/NA	Solid	8015B NM	21111

Analysis Batch: 21238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-1	S-9	Total/NA	Solid	8015 NM	
880-12068-2	S-6	Total/NA	Solid	8015 NM	
880-12068-3	S-7	Total/NA	Solid	8015 NM	
880-12068-4	S-8	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 21032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-1	S-9	Soluble	Solid	DI Leach	
880-12068-2	S-6	Soluble	Solid	DI Leach	
880-12068-3	S-7	Soluble	Solid	DI Leach	
880-12068-4	S-8	Soluble	Solid	DI Leach	
MB 880-21032/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21032/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21032/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12068-2 MS	S-6	Soluble	Solid	DI Leach	
880-12068-2 MSD	S-6	Soluble	Solid	DI Leach	

Analysis Batch: 21201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-1	S-9	Soluble	Solid	300.0	21032
880-12068-2	S-6	Soluble	Solid	300.0	21032
880-12068-3	S-7	Soluble	Solid	300.0	21032
880-12068-4	S-8	Soluble	Solid	300.0	21032
MB 880-21032/1-A	Method Blank	Soluble	Solid	300.0	21032
LCS 880-21032/2-A	Lab Control Sample	Soluble	Solid	300.0	21032
LCSD 880-21032/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21032
880-12068-2 MS	S-6	Soluble	Solid	300.0	21032

Eurofins Midland

QC Association Summary

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

Job ID: 880-12068-1
SDG: 21-0100-25

HPLC/IC (Continued)

Analysis Batch: 21201 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12068-2 MSD	S-6	Soluble	Solid	300.0	21032

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

Lab Chronicle

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

Job ID: 880-12068-1
SDG: 21-0100-25

Client Sample ID: S-9

Lab Sample ID: 880-12068-1

Date Collected: 03/04/22 11:00

Matrix: Solid

Date Received: 03/04/22 15:29

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	21130	03/10/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21274	03/10/22 12:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21340	03/10/22 16:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21238	03/09/22 18:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	21111	03/08/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21120	03/08/22 22:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21032	03/07/22 10:58	CH	XEN MID
Soluble	Analysis	300.0		1			21201	03/10/22 14:13	CH	XEN MID

Client Sample ID: S-6

Lab Sample ID: 880-12068-2

Date Collected: 03/04/22 11:15

Matrix: Solid

Date Received: 03/04/22 15:29

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	21130	03/10/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21274	03/10/22 12:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21340	03/10/22 16:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21238	03/09/22 18:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21111	03/08/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21120	03/08/22 23:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21032	03/07/22 10:58	CH	XEN MID
Soluble	Analysis	300.0		1			21201	03/10/22 14:19	CH	XEN MID

Client Sample ID: S-7

Lab Sample ID: 880-12068-3

Date Collected: 03/04/22 11:30

Matrix: Solid

Date Received: 03/04/22 15:29

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	21365	03/11/22 08:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/11/22 18:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21340	03/10/22 16:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21238	03/09/22 18:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21111	03/08/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21120	03/08/22 23:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21032	03/07/22 10:58	CH	XEN MID
Soluble	Analysis	300.0		1			21201	03/10/22 14:37	CH	XEN MID

Client Sample ID: S-8

Lab Sample ID: 880-12068-4

Date Collected: 03/04/22 11:45

Matrix: Solid

Date Received: 03/04/22 15:29

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	21365	03/11/22 08:50	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21366	03/11/22 18:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21340	03/10/22 16:36	AJ	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-12068-1
SDG: 21-0100-25

Client Sample ID: S-8

Lab Sample ID: 880-12068-4

Date Collected: 03/04/22 11:45

Matrix: Solid

Date Received: 03/04/22 15:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21238	03/09/22 18:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21111	03/08/22 08:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21120	03/09/22 00:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21032	03/07/22 10:58	CH	XEN MID
Soluble	Analysis	300.0		1			21201	03/10/22 14:43	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 880-12068-1
SDG: 21-0100-25

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	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

Method Summary

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

Job ID: 880-12068-1
SDG: 21-0100-25

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

Eurofins Midland

Sample Summary

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

Job ID: 880-12068-1
SDG: 21-0100-25

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-12068-1	S-9	Solid	03/04/22 11:00	03/04/22 15:29
880-12068-2	S-6	Solid	03/04/22 11:15	03/04/22 15:29
880-12068-3	S-7	Solid	03/04/22 11:30	03/04/22 15:29
880-12068-4	S-8	Solid	03/04/22 11:45	03/04/22 15:29

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~~3/17/2022 (Rev. 1)~~

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-12068-1

SDG Number: 21-0100-25

Login Number: 12068

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Appendix E
Photographs

Tracking Number: nAPP2133439841
Delineation Report and Remediation Plan
Salado Draw 24 Tank Battery, Chevron USA, Inc.
Crude Oil and Produced Water Release
May 23, 2022



View of location sign



View of torn liner, December 23, 2021

Tracking Number: nAPP2133439841
Delineation Report and Remediation Plan
Salado Draw 24 Tank Battery, Chevron USA, Inc.
Crude Oil and Produced Water Release
May 23, 2022



View of torn liner, December 23, 2021

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 110452

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 110452
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Please include photos of new intact liner.	6/1/2022