State of New Mexico
Oil Conservation Division

Incident ID	nAPP2227880032
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?	>101.5 (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2227880032
District RP	
Facility ID	
Application ID	

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: Environmental Advisor

Signature: Amy Barnhill Date: 6-21-23

email: ABarnhill@chevron.com Telephone: 432-687-7723

OCD Only

Received by: Shelly Wells Date: 6/22/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2227880032
District RP	
Facility ID	
Application ID	

Remediation Plan

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

- [x] Detailed description of proposed remediation technique
- [x] Scaled sitemap with GPS coordinates showing delineation points
- [x] Estimated volume of material to be remediated
- [x] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [x] 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: Environmental Advisor

Signature: Amy Barnhill Date: 6-21-23

email: ABarnhill@chevron.com Telephone: 432-687-7723

OCD Only

Received by: Shelly Wells Date: 6/22/2023

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: Nelson Velez Date: 09/19/2023

Remediation plan is approved as written. Chevron has 60-days (November 20, 2023) to submit its appropriate or final closure report.

Tracking Number: nAPP2227880032
Delineation Report and Remediation Plan
Salado Corridor Line 3rd Spill
Crude Oil and Produced Water Release
Lea County, New Mexico

Latitude: N 32.035531°
Longitude: W -103.638179°

LAI Project No. 23-0102-04

June 5, 2023

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. Geologist

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Table of Contents

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 Corridor Line 3rd Spill (Site) located in Unit P (NW/NE), Section 23, Township 26 South, Range 32 East in Lea County New Mexico. The geodetic position is North 32.035531° and West -103.638179°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on September 19, 2022, due to a Lay flat water connection failure. Chevron reported that 7.26 barrels (bbls) of produced water and .074 bbls of crude oil were released, with 4.5 bbls of produced water and .074 bbls of crude oil recovered, respectively. The affected area measures approximately 1,291 square feet. The initial C-141 was submitted to NMOCD District I on October 5, 2022. The release was assigned incident number nAPP2227880032. Appendix A presents the Chevron spill calculation and spill map.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,160 feet above mean sea level (msl).
- The surface topography gradually decreases to the southwest.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as “Medium Risk” potential.
- The soils are designated as Pyote and Maljamar Fine sands, 0 to 3 percent slopes, consisting of 30 inches of fine sand, and 30 of fine sandy loam, in descending order.
- The geology consists of Quaternary-age sand and silt sheets, and locally includes cover sand (USGS).
- Groundwater occurs at a depth greater than 101.5 feet below ground surface (bgs) based on depth to groundwater measurements taken 72 hours after installing a boring (BS-1) on April 14, 2020, approximately 0.68 miles from the Site. Additionally, groundwater occurs at a depth greater than 115 feet bgs based on depth to groundwater measurements taken 72 hours after installing a boring BH-1 on October 12, 2022, approximately 1.26 miles from the Site.

Appendix B presents USGS data depicting karst risk potential map. Figure 3 presents the soil boring locations.

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.

2.0 DELINEATION

On May 8, 2023, LAI personnel used a stainless-steel hand auger to collect soil samples from four (4) locations inside of the spill area (S-1 through S-4) and in each cardinal direction (north, south, east, and west) of the spill (S-5 through S-8). Samples from S-1 through S-4 were collected at depths of 0-1, 1-2, 2-3, 3-4, and 4 - 5 feet bgs, depending on subsurface conditions. Samples from S-5 though S-8 were collected at depths of 0 - 0.5 and 0.5 - 1-foot bgs. The 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) and total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), by EPA SW-846 Methods 8021B and 8015M, respectively, and chloride by EPA Nethod M300.

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 delineation limit of 600 mg/Kg in the following samples:

Sample ID	Depth (Feet)	Chloride Concentration (mg/Kg)
S-1	2 - 3	613
S-4	0 - 1	617

Figure 2 presents an aerial map showing the sample locations. Appendix C presents the laboratory reports. Appendix D presents the photographic documentation.

3.0 REMEDIATION PLAN

Chevron proposes the following remedial actions:

- Excavate soil to 1.5 feet bgs from an area measuring approximately 121 square feet encompassing S-4.
- Excavate soil to 4.1 feet bgs from an area measuring approximately 253 square feet encompassing S-1.

- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride to confirm concentrations below the NMOCD closure criteria in Table 1 (19.15.29 NMAC) for groundwater occurring a depth greater than 100 feet bgs.
- Backfill excavation with clean topsoil within the pipeline right of way (ROW) assuming achievement of NMOCD remediation levels.
- Prepare report with photographs for submittal to NMOCD District I.

Figure 4 presents the proposed excavation areas.

Tables

Table 1
Soil Sample Analytical Data Summary
Chevron - Salado Draw 13 Corridor Line 3rd Spill
Lea County, New Mexico
32° 02' 08.03" N, 103° 38' 17.63" W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				**10**	**50**				**100/2,500**	**600/20,000**
S-1	0 - 1	5/8/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	435
	1 - 2	5/8/2023	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	189
	2 - 3	5/8/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	**613**
	3 - 4	5/8/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	456
S-2	0 - 1	5/8/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	151
	1 - 2	5/8/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	226
	2 - 3	5/8/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	279
S-3	0 - 1	5/8/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	587
	1 - 2	5/8/2023	In-Situ	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	276
	2 - 3	5/8/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	359
S-4	0 - 1	5/8/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	**617**
	1 - 2	5/8/2023	In-Situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	320
	2 - 3	5/8/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	187
	3 - 4	5/8/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	259
	4 - 5	5/8/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	219
S-5	0 - 0.5	5/8/2023	In-Situ	<0.00198	<0.00396	<50.0	70.7	<50.0	70.7	244
	0.5 - 1	5/8/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	102
S-6	0 - 0.5	5/8/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	70.5
	0.5 - 1	5/8/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	66.4
S-7	0 - 0.5	5/8/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	60.7
	0.5 - 1	5/8/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	62.2

Table 1

Soil Sample Analytical Data Summary

Chevron - Salado Draw 13 Corridor Line 3rd Spill

Lea County, New Mexico

32° 02' 08.03" N, 103° 38' 17.63" W

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				**10**	**50**				**100/2,500**	**600/20,000**
S-8	0 - 0.5	5/8/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	91.2
	0.5 - 1	5/8/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	63.1

Notes: Analysis performed byand Xenco Laboratories in Midland, Texas by EPA SW-846 8021B (BTEX), 8015M (TPH), and 300E (Chloride)
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
<: denotes concentration less than analytical method reporting limit
Bold and Highlighted exceeds OCD remediation action limits

Figures

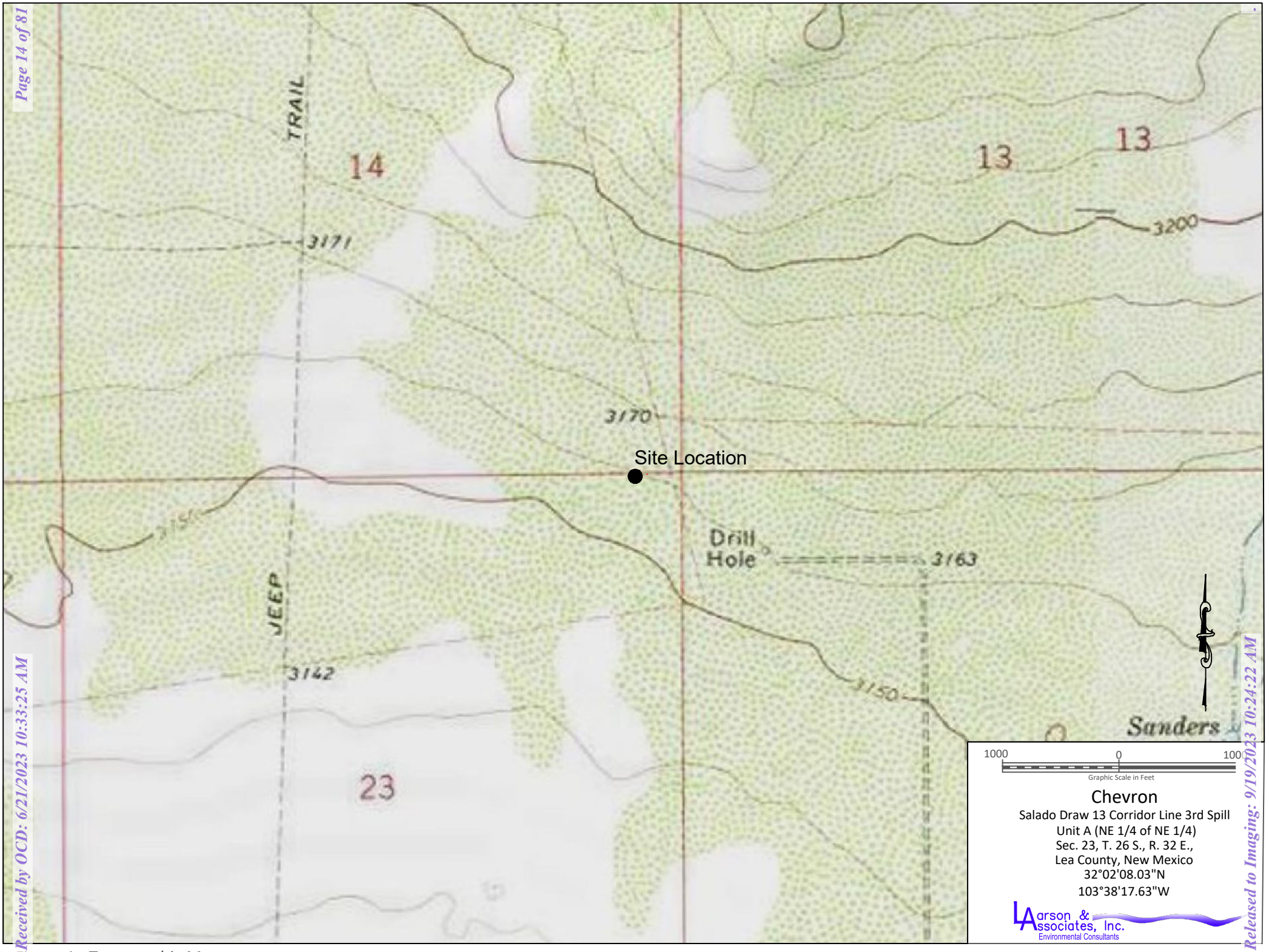


Figure 1 - Topographic Map

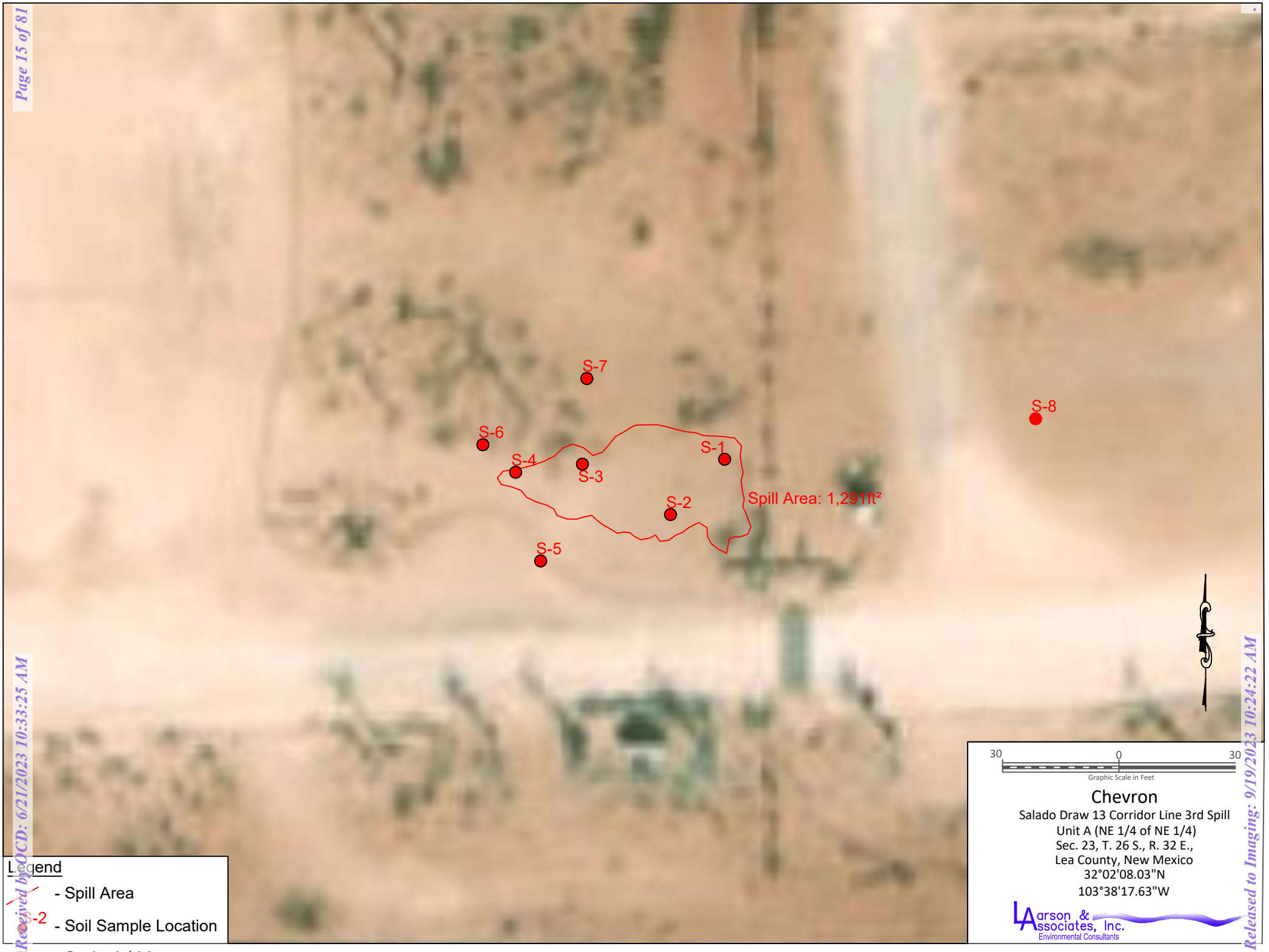


Figure 2 - Aerial Map

Figure 3 - Aerial Map Showing Boring Locations

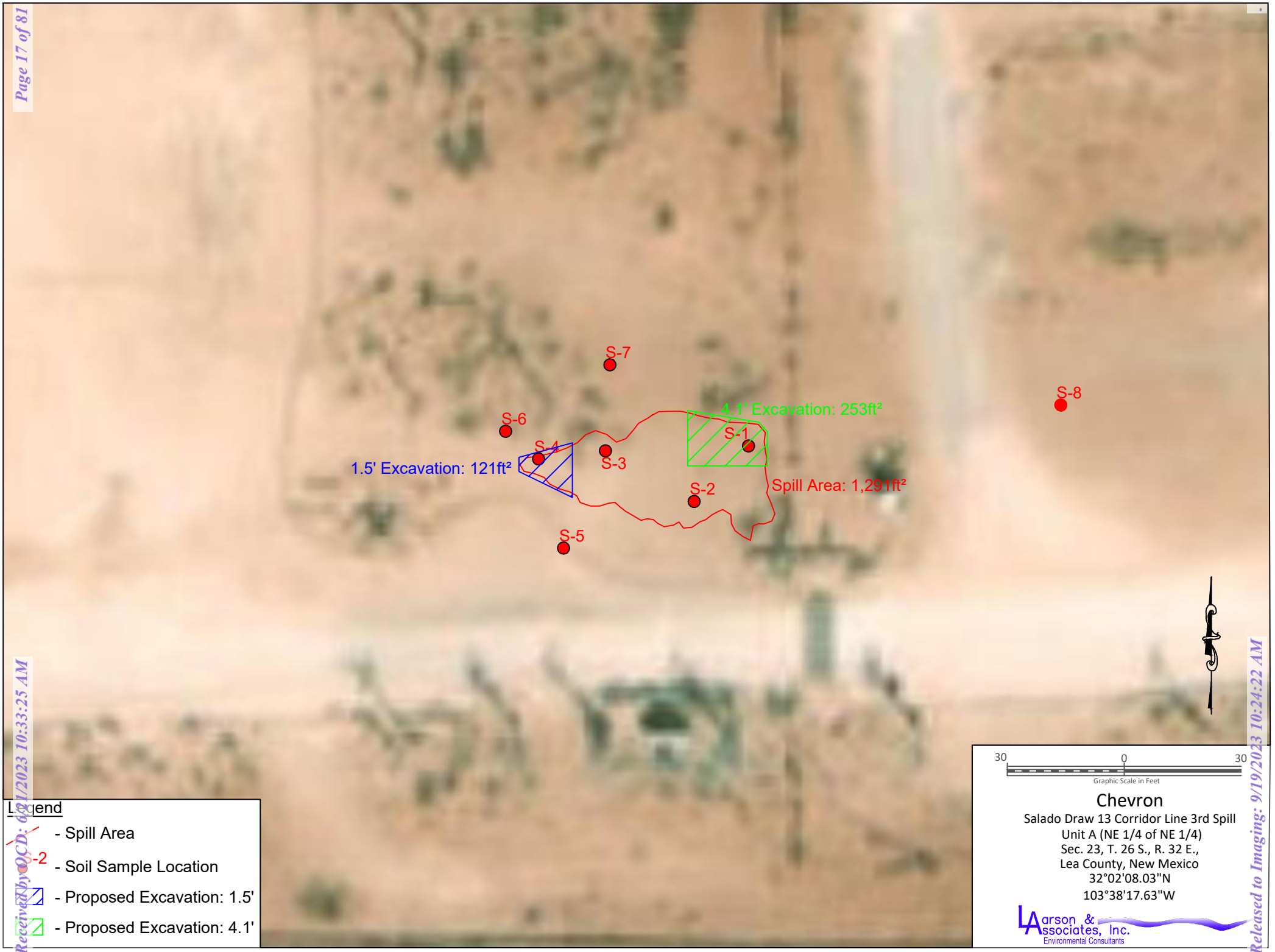


Figure 4 - Aerial Map Showing Proposed Excavation Areas

Appendix A

Initial C-141 and Spill Calculations

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	nAPP2227880032
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 32.0354749 Longitude -103.63810483
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Salado Draw 13 SWD	Site Type: Produced Water
Date Release Discovered: 9-19-22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	23	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).074	Volume Recovered (bbls).074
☒ Produced Water	Volume Released (bbls) 7.26	Volume Recovered (bbls) 4.5
	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: Lay flat water connection failure		

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2227880032
District RP	
Facility ID	
Application ID	

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?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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 not 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 Advisor

Signature: Amy Barnhill Date: 10-5-22

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

OCD Only

Received by: Date:

Incident ID	nAPP2227880032
District RP	
Facility ID	
Application ID	

Spill Calculations:

Area 1
Shape: Rectangle
Secondary Containment?: No
Standing Liquid Dimensions: 9 ft x 9 ft x 4 in
Total Volume: 5.170 bbl
Water Cut: 99 %
Oil Volume:.052 bbl
Penetration Depth: 2 in
Fluid to Soil Volume: .361 bbl
Water Volume: 5.118 bbl

Area 2
Shape:Rectangle
Secondary Containment?: No
Standing Liquid Dimensions: 72 ft x 27 ft x 0 in
Total Volume: 2.164 bbl
Water Cut: 99%
Oil Volume: .022 bbl
Penetration Depth: .500 in
Volume to Soil Volume: 2.164 bbl
Water Volume: 2.142 bbl

Appendix B

Karst Risk Potential


Salado Draw 13 Corridor Line
Medium

Appendix C

Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/31/2023 11:40:09 AM Revision 1

JOB DESCRIPTION

Salado Corridor Line 3rd Spill
SDG NUMBER 2596 & 2597

JOB NUMBER

880-28154-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Holly Taylor

Generated
5/31/2023 11:40:09 AM
Revision 1

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

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Laboratory Job ID: 880-28154-1
SDG: 2596 & 2597

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-28154-1
Project/Site: Salado Corridor Line 3rd Spill SDG: 2596 & 2597

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Job ID: 880-28154-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-28154-1

Revision
The report being provided is a revision of the original report sent on 5/15/2023. The report (revision 1) is being revised to change sample IDs from C to S per Robert Nelson (email).

Receipt
The samples were received on 5/9/2023 9:18 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1º C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 0-1 (880-28154-1), S-1 1-2 (880-28154-2), S-1 2-3 (880-28154-3), S-1 3-4 (880-28154-4), S-2 0-1 (880-28154-5), S-2 1-2 (880-28154-6), S-2 2-3 (880-28154-7), S-3 0-1 (880-28154-8), S-3 1-2 (880-28154-9), S-3 2-3 (880-28154-10), S-4 0-1 (880-28154-11), S-4 1-2 (880-28154-12), S-4 2-3 (880-28154-13), S-4 3-4 (880-28154-14), S-4 4-5 (880-28154-15), S-5 0-.5 (880-28154-16), S-5 .5-1 (880-28154-17), S-6 0-.5 (880-28154-18), S-6 .5-1 (880-28154-19), S-7 0-.5 (880-28154-20), S-7 .5-1 (880-28154-21), S-8 0-.5 (880-28154-22) and S-8 .5-1 (880-28154-23).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-52942 and analytical batch 880-52909 was outside the control limits.

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

GC Semi VOA
Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-53140 and analytical batch 880-53083 was outside the upper control limits.

Method 8015B NM: CCV biased low for Diesel Range Organics (Over C10-C28) however an acceptable CCV was ran within the 12 hour window therefore the data has been qualified and reported.
(CCV 880-53090/65)

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

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52959 and analytical batch 880-53159 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.
The associated samples are: (880-28317-A-1-A) and (880-28317-A-1-B MS).

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52961, 880-52961 and 880-52961 and analytical batch 880-53292 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: S-1 0-1 (880-28154-1), S-1 1-2 (880-28154-2), S-1 2-3 (880-28154-3), S-1 3-4 (880-28154-4), S-2 0-1 (880-28154-5), S-2 1-2 (880-28154-6), S-2 2-3 (880-28154-7), S-3 0-1 (880-28154-8), S-3 1-2 (880-28154-9), S-3 2-3 (880-28154-10), (880-28154-A-1-H MS) and (880-28154-A-1-I MSD).

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52961 and 880-52961 and analytical batch 880-53292 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Job ID: 880-28154-1 (Continued)

Laboratory: Eurofins Midland (Continued)

The associated samples are: S-4 0-1 (880-28154-11), S-4 1-2 (880-28154-12), S-4 2-3 (880-28154-13), S-4 3-4 (880-28154-14), S-4 4-5 (880-28154-15), S-5 0-.5 (880-28154-16), S-5 .5-1 (880-28154-17), S-6 0-.5 (880-28154-18), S-6 .5-1 (880-28154-19), S-7 0-.5 (880-28154-20), (880-28154-A-11-D MS) and (880-28154-A-11-E MSD).

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

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-1 0-1

Date Collected: 05/08/23 12:00
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 14:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 14:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 14:51	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/09/23 13:08	05/09/23 14:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 14:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/09/23 13:08	05/09/23 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*05/09/23 13:08*	*05/09/23 14:51*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/23 13:08*	*05/09/23 14:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 14:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 14:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*05/09/23 13:21*	*05/11/23 14:17*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*05/09/23 13:21*	*05/11/23 14:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**435**	**F1**	4.98		mg/Kg			05/12/23 19:37	1

Client Sample ID: S-1 1-2

Date Collected: 05/08/23 12:02
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 15:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 15:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 15:11	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		05/09/23 13:08	05/09/23 15:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 15:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/23 13:08	05/09/23 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*05/09/23 13:08*	*05/09/23 15:11*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/09/23 13:08*	*05/09/23 15:11*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-1 1-2

Date Collected: 05/08/23 12:02
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 15:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 15:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*05/09/23 13:21*	*05/11/23 15:22*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*05/09/23 13:21*	*05/11/23 15:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**189**		5.02		mg/Kg			05/12/23 19:53	1

Client Sample ID: S-1 2-3

Date Collected: 05/08/23 12:04
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 15:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 15:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 15:32	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 15:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 15:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*05/09/23 13:08*	*05/09/23 15:32*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/09/23 13:08*	*05/09/23 15:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 15:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 15:43	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-1 2-3

Date Collected: 05/08/23 12:04
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*05/09/23 13:21*	*05/11/23 15:43*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*05/09/23 13:21*	*05/11/23 15:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**613**		5.03		mg/Kg			05/12/23 19:59	1

Client Sample ID: S-1 3-4

Date Collected: 05/08/23 12:06
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 15:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 15:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 15:52	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/23 13:08	05/09/23 15:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 15:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/23 13:08	05/09/23 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/09/23 13:08*	*05/09/23 15:52*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/09/23 13:08*	*05/09/23 15:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 16:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 16:05	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/09/23 13:21*	*05/11/23 16:05*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*05/09/23 13:21*	*05/11/23 16:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**456**		5.00		mg/Kg			05/12/23 20:04	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-2 0-1

Date Collected: 05/08/23 12:08
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 16:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 16:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 16:13	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/23 13:08	05/09/23 16:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 16:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/23 13:08	05/09/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/09/23 13:08*	*05/09/23 16:13*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/09/23 13:08*	*05/09/23 16:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*05/09/23 13:21*	*05/11/23 16:27*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*05/09/23 13:21*	*05/11/23 16:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**151**		4.99		mg/Kg			05/12/23 20:09	1

Client Sample ID: S-2 1-2

Date Collected: 05/08/23 12:10
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 16:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 16:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 16:33	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 16:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 16:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*05/09/23 13:08*	*05/09/23 16:33*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/09/23 13:08*	*05/09/23 16:33*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-2 1-2

Date Collected: 05/08/23 12:10
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*103*		*70 - 130*	*05/09/23 13:21*	*05/11/23 16:48*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*05/09/23 13:21*	*05/11/23 16:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**226**		4.97		mg/Kg			05/12/23 20:26	1

Client Sample ID: S-2 2-3

Date Collected: 05/08/23 12:12
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 16:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 16:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 16:54	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/09/23 13:08	05/09/23 16:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 16:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/23 13:08	05/09/23 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*05/09/23 13:08*	*05/09/23 16:54*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*05/09/23 13:08*	*05/09/23 16:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 17:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 17:10	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-2 2-3

Date Collected: 05/08/23 12:12
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*05/09/23 13:21*	*05/11/23 17:10*	*1*
o-Terphenyl (Surr)	*110*		*70 - 130*	*05/09/23 13:21*	*05/11/23 17:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**279**		5.03		mg/Kg			05/12/23 20:31	1

Client Sample ID: S-3 0-1

Date Collected: 05/08/23 12:14
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 17:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 17:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 17:14	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		05/09/23 13:08	05/09/23 17:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 17:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/23 13:08	05/09/23 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/09/23 13:08*	*05/09/23 17:14*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/09/23 13:08*	*05/09/23 17:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 17:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 17:31	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*05/09/23 13:21*	*05/11/23 17:31*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*05/09/23 13:21*	*05/11/23 17:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**587**		5.02		mg/Kg			05/12/23 20:36	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-3 1-2

Date Collected: 05/08/23 12:16
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 17:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 17:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 17:35	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		05/09/23 13:08	05/09/23 17:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 17:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/09/23 13:08	05/09/23 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*05/09/23 13:08*	*05/09/23 17:35*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/09/23 13:08*	*05/09/23 17:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 17:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 17:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*116*		*70 - 130*	*05/09/23 13:21*	*05/11/23 17:53*	*1*
o-Terphenyl (Surr)	*113*		*70 - 130*	*05/09/23 13:21*	*05/11/23 17:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**276**		5.00		mg/Kg			05/12/23 20:42	1

Client Sample ID: S-3 2-3

Date Collected: 05/08/23 12:18
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 19:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 19:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 19:19	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/23 13:08	05/09/23 19:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 19:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/23 13:08	05/09/23 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*05/09/23 13:08*	*05/09/23 19:19*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*05/09/23 13:08*	*05/09/23 19:19*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-3 2-3

Date Collected: 05/08/23 12:18
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 18:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 18:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*05/09/23 13:21*	*05/11/23 18:15*	*1*
o-Terphenyl (Surr)	*116*		*70 - 130*	*05/09/23 13:21*	*05/11/23 18:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**359**		5.00		mg/Kg			05/12/23 20:47	1

Client Sample ID: S-4 0-1

Date Collected: 05/08/23 12:20
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 19:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 19:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 19:39	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/23 13:08	05/09/23 19:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/23 13:08	05/09/23 19:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/23 13:08	05/09/23 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*05/09/23 13:08*	*05/09/23 19:39*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*05/09/23 13:08*	*05/09/23 19:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 18:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 18:59	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-4 0-1

Date Collected: 05/08/23 12:20
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*05/09/23 13:21*	*05/11/23 18:59*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*05/09/23 13:21*	*05/11/23 18:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**617**	**F1**	5.01		mg/Kg			05/12/23 20:52	1

Client Sample ID: S-4 1-2

Date Collected: 05/08/23 12:22
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 20:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 20:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 20:00	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 20:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 20:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/09/23 13:08*	*05/09/23 20:00*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*05/09/23 13:08*	*05/09/23 20:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 19:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 19:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*05/09/23 13:21*	*05/11/23 19:20*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*05/09/23 13:21*	*05/11/23 19:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**320**		4.99		mg/Kg			05/12/23 21:08	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-4 2-3

Date Collected: 05/08/23 12:24
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 20:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 20:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 20:20	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/09/23 13:08	05/09/23 20:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 20:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/23 13:08	05/09/23 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/09/23 13:08*	*05/09/23 20:20*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*05/09/23 13:08*	*05/09/23 20:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 19:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 19:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*05/09/23 13:21*	*05/11/23 19:41*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*05/09/23 13:21*	*05/11/23 19:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**187**		4.95		mg/Kg			05/12/23 21:14	1

Client Sample ID: S-4 3-4

Date Collected: 05/08/23 12:26
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/09/23 13:08	05/09/23 20:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/23 13:08	05/09/23 20:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/23 13:08	05/09/23 20:41	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		05/09/23 13:08	05/09/23 20:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/23 13:08	05/09/23 20:41	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/23 13:08	05/09/23 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/09/23 13:08*	*05/09/23 20:41*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/09/23 13:08*	*05/09/23 20:41*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-4 3-4

Date Collected: 05/08/23 12:26
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 20:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 20:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*05/09/23 13:21*	*05/11/23 20:02*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*05/09/23 13:21*	*05/11/23 20:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**259**		4.99		mg/Kg			05/12/23 21:30	1

Client Sample ID: S-4 4-5

Date Collected: 05/08/23 12:28
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 21:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 21:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 21:01	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 21:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 21:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/09/23 13:08*	*05/09/23 21:01*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/09/23 13:08*	*05/09/23 21:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 20:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 20:24	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-4 4-5

Date Collected: 05/08/23 12:28
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/09/23 13:21	05/11/23 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*05/09/23 13:21*	*05/11/23 20:24*	*1*
o-Terphenyl (Surr)	*102*		*70 - 130*	*05/09/23 13:21*	*05/11/23 20:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**219**		5.04		mg/Kg			05/12/23 21:36	1

Client Sample ID: S-5 0-.5

Date Collected: 05/08/23 12:30
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 21:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 21:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 21:22	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		05/09/23 13:08	05/09/23 21:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/09/23 13:08	05/09/23 21:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/09/23 13:08	05/09/23 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/09/23 13:08*	*05/09/23 21:22*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*05/09/23 13:08*	*05/09/23 21:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**70.7**		50.0		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 20:46	1
Diesel Range Organics (Over C10-C28)	**70.7**		50.0		mg/Kg		05/09/23 13:21	05/11/23 20:46	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*05/09/23 13:21*	*05/11/23 20:46*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*05/09/23 13:21*	*05/11/23 20:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**244**		5.05		mg/Kg			05/12/23 21:41	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-5 .5-1

Date Collected: 05/08/23 12:32
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 21:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 21:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 21:42	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/09/23 13:08	05/09/23 21:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/23 13:08	05/09/23 21:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/23 13:08	05/09/23 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/09/23 13:08*	*05/09/23 21:42*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*05/09/23 13:08*	*05/09/23 21:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 21:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 21:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*105*		*70 - 130*	*05/09/23 13:21*	*05/11/23 21:07*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*05/09/23 13:21*	*05/11/23 21:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		4.99		mg/Kg			05/12/23 21:46	1

Client Sample ID: S-6 0-.5

Date Collected: 05/08/23 12:34
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/09/23 13:08	05/09/23 22:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/09/23 13:08	05/09/23 22:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/23 13:08	05/09/23 22:03	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		05/09/23 13:08	05/09/23 22:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/09/23 13:08	05/09/23 22:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/09/23 13:08	05/09/23 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/09/23 13:08*	*05/09/23 22:03*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/09/23 13:08*	*05/09/23 22:03*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-6 0-.5

Date Collected: 05/08/23 12:34
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-18
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 21:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 21:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*05/09/23 13:21*	*05/11/23 21:28*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*05/09/23 13:21*	*05/11/23 21:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.5**		5.00		mg/Kg			05/12/23 21:52	1

Client Sample ID: S-6 .5-1

Date Collected: 05/08/23 12:36
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 22:23	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 22:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/23 13:08	05/09/23 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/09/23 13:08*	*05/09/23 22:23*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*05/09/23 13:08*	*05/09/23 22:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/23 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 21:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 21:50	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-6 .5-1

Date Collected: 05/08/23 12:36
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/23 13:21	05/11/23 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/09/23 13:21*	*05/11/23 21:50*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*05/09/23 13:21*	*05/11/23 21:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.4**		5.02		mg/Kg			05/12/23 21:57	1

Client Sample ID: S-7 0-.5

Date Collected: 05/08/23 12:38
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/09/23 14:00	05/09/23 22:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/23 14:00	05/09/23 22:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/23 14:00	05/09/23 22:38	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/23 14:00	05/09/23 22:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/23 14:00	05/09/23 22:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/23 14:00	05/09/23 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/09/23 14:00*	*05/09/23 22:38*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*05/09/23 14:00*	*05/09/23 22:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/23 10:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/12/23 13:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 22:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 22:11	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*05/09/23 13:21*	*05/11/23 22:11*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*05/09/23 13:21*	*05/11/23 22:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**60.7**		5.01		mg/Kg			05/12/23 22:03	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-7 .5-1

Date Collected: 05/08/23 12:40
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-21

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/09/23 14:00	05/09/23 22:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/09/23 14:00	05/09/23 22:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/09/23 14:00	05/09/23 22:59	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/09/23 14:00	05/09/23 22:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/09/23 14:00	05/09/23 22:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/09/23 14:00	05/09/23 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/09/23 14:00*	*05/09/23 22:59*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*05/09/23 14:00*	*05/09/23 22:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/10/23 10:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 09:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/23 12:23	05/12/23 01:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/23 12:23	05/12/23 01:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/23 12:23	05/12/23 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*118*		*70 - 130*	*05/11/23 12:23*	*05/12/23 01:20*	*1*
o-Terphenyl (Surr)	*89*		*70 - 130*	*05/11/23 12:23*	*05/12/23 01:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.2**		4.98		mg/Kg			05/11/23 17:11	1

Client Sample ID: S-8 0-.5

Date Collected: 05/08/23 12:42
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-22

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 14:00	05/09/23 23:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 14:00	05/09/23 23:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 14:00	05/09/23 23:19	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		05/09/23 14:00	05/09/23 23:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 14:00	05/09/23 23:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/23 14:00	05/09/23 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/09/23 14:00*	*05/09/23 23:19*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*05/09/23 14:00*	*05/09/23 23:19*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-8 0-.5

Date Collected: 05/08/23 12:42
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-22

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/23 10:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 09:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/23 12:23	05/12/23 02:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/23 12:23	05/12/23 02:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/23 12:23	05/12/23 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*113*		*70 - 130*	*05/11/23 12:23*	*05/12/23 02:02*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*05/11/23 12:23*	*05/12/23 02:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.2**		5.00		mg/Kg			05/11/23 17:17	1

Client Sample ID: S-8 .5-1

Date Collected: 05/08/23 12:44
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/09/23 14:00	05/09/23 23:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/09/23 14:00	05/09/23 23:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/23 14:00	05/09/23 23:40	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		05/09/23 14:00	05/09/23 23:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/23 14:00	05/09/23 23:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/09/23 14:00	05/09/23 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/09/23 14:00*	*05/09/23 23:40*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*05/09/23 14:00*	*05/09/23 23:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/10/23 10:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/23 09:50	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/11/23 12:23	05/12/23 02:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/11/23 12:23	05/12/23 02:23	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-8 .5-1

Date Collected: 05/08/23 12:44
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/11/23 12:23	05/12/23 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*124*		*70 - 130*	*05/11/23 12:23*	*05/12/23 02:23*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*05/11/23 12:23*	*05/12/23 02:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.1**		4.96		mg/Kg			05/11/23 17:22	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

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)
880-28154-1	S-1 0-1	78	98
880-28154-1 MS	S-1 0-1	102	102
880-28154-1 MSD	S-1 0-1	94	104
880-28154-2	S-1 1-2	76	93
880-28154-3	S-1 2-3	82	97
880-28154-4	S-1 3-4	86	101
880-28154-5	S-2 0-1	91	99
880-28154-6	S-2 1-2	84	96
880-28154-7	S-2 2-3	89	78
880-28154-8	S-3 0-1	86	89
880-28154-9	S-3 1-2	80	93
880-28154-10	S-3 2-3	84	77
880-28154-11	S-4 0-1	84	84
880-28154-12	S-4 1-2	93	82
880-28154-13	S-4 2-3	86	79
880-28154-14	S-4 3-4	91	95
880-28154-15	S-4 4-5	87	91
880-28154-16	S-5 0-.5	88	80
880-28154-17	S-5 .5-1	86	73
880-28154-18	S-6 0-.5	90	98
880-28154-19	S-6 .5-1	88	75
880-28154-20	S-7 0-.5	106	124
880-28154-20 MS	S-7 0-.5	91	106
880-28154-20 MSD	S-7 0-.5	99	109
880-28154-21	S-7 .5-1	104	121
880-28154-22	S-8 0-.5	107	124
880-28154-23	S-8 .5-1	110	122
LCS 880-52942/1-A	Lab Control Sample	99	108
LCS 880-52956/1-A	Lab Control Sample	93	103
LCSD 880-52942/2-A	Lab Control Sample Dup	99	111
LCSD 880-52956/2-A	Lab Control Sample Dup	102	103
MB 880-52913/5-A	Method Blank	99	104
MB 880-52942/5-A	Method Blank	62 S1-	94
MB 880-52956/5-A	Method Blank	101	104

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)
880-28154-1	S-1 0-1	105	97
880-28154-1 MS	S-1 0-1	97	83
880-28154-1 MSD	S-1 0-1	101	85
880-28154-2	S-1 1-2	104	99
880-28154-3	S-1 2-3	107	103

Surrogate Summary

Client: Larson & Associates, Inc. Job ID: 880-28154-1
Project/Site: Salado Corridor Line 3rd Spill SDG: 2596 & 2597

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)
880-28154-4	S-1 3-4	102	98
880-28154-5	S-2 0-1	106	102
880-28154-6	S-2 1-2	103	99
880-28154-7	S-2 2-3	113	110
880-28154-8	S-3 0-1	113	109
880-28154-9	S-3 1-2	116	113
880-28154-10	S-3 2-3	118	116
880-28154-11	S-4 0-1	110	108
880-28154-12	S-4 1-2	104	102
880-28154-13	S-4 2-3	105	103
880-28154-14	S-4 3-4	100	97
880-28154-15	S-4 4-5	104	102
880-28154-16	S-5 0-.5	113	112
880-28154-17	S-5 .5-1	105	100
880-28154-18	S-6 0-.5	96	92
880-28154-19	S-6 .5-1	102	101
880-28154-20	S-7 0-.5	102	95
880-28154-21	S-7 .5-1	118	89
880-28154-22	S-8 0-.5	113	84
880-28154-23	S-8 .5-1	124	95
LCS 880-52945/2-A	Lab Control Sample	99	97
LCS 880-53140/2-A	Lab Control Sample	111	87
LCSD 880-52945/3-A	Lab Control Sample Dup	97	90
LCSD 880-53140/3-A	Lab Control Sample Dup	118	92
MB 880-52945/1-A	Method Blank	111	115
MB 880-53140/1-A	Method Blank	151 S1+	123

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-52913/5-A
Matrix: Solid
Analysis Batch: 52910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52913

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 08:33	05/09/23 11:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 08:33	05/09/23 11:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 08:33	05/09/23 11:05	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/09/23 08:33	05/09/23 11:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 08:33	05/09/23 11:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/23 08:33	05/09/23 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*05/09/23 08:33*	*05/09/23 11:05*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/23 08:33*	*05/09/23 11:05*	*1*

Lab Sample ID: MB 880-52942/5-A
Matrix: Solid
Analysis Batch: 52909

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52942

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 14:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 14:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 14:29	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/09/23 13:08	05/09/23 14:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 13:08	05/09/23 14:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/23 13:08	05/09/23 14:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*05/09/23 13:08*	*05/09/23 14:29*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/09/23 13:08*	*05/09/23 14:29*	*1*

Lab Sample ID: LCS 880-52942/1-A
Matrix: Solid
Analysis Batch: 52909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52942

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1252		mg/Kg		125	70 - 130		
Toluene			0.100	0.1122		mg/Kg		112	70 - 130		
Ethylbenzene			0.100	0.1074		mg/Kg		107	70 - 130		
m,p-Xylenes			0.200	0.2148		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1048		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-52942/2-A
Matrix: Solid
Analysis Batch: 52909

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52942

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1282		mg/Kg		128	70 - 130	2	35

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

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

Lab Sample ID: LCSD 880-52942/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52909 — **Prep Batch: 52942**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1141		mg/Kg		114	70 - 130	2	35
Ethylbenzene			0.100	0.1094		mg/Kg		109	70 - 130	2	35
m,p-Xylenes			0.200	0.2170		mg/Kg		109	70 - 130	1	35
o-Xylene			0.100	0.1061		mg/Kg		106	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-28154-1 MS — **Client Sample ID: S-1 0-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52909 — **Prep Batch: 52942**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0998	0.1190		mg/Kg		119	70 - 130
Toluene	<0.00198	U	0.0998	0.1131		mg/Kg		112	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.1128		mg/Kg		113	70 - 130
m,p-Xylenes	<0.00396	U	0.200	0.2220		mg/Kg		111	70 - 130
o-Xylene	<0.00198	U	0.0998	0.1073		mg/Kg		107	70 - 130

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

Lab Sample ID: 880-28154-1 MSD — **Client Sample ID: S-1 0-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52909 — **Prep Batch: 52942**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.1089		mg/Kg		108	70 - 130	9	35
Toluene	<0.00198	U	0.100	0.09792		mg/Kg		97	70 - 130	14	35
Ethylbenzene	<0.00198	U	0.100	0.08990		mg/Kg		90	70 - 130	23	35
m,p-Xylenes	<0.00396	U	0.201	0.1787		mg/Kg		89	70 - 130	22	35
o-Xylene	<0.00198	U	0.100	0.08738		mg/Kg		87	70 - 130	20	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-52956/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52910 — **Prep Batch: 52956**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/23 14:00	05/09/23 22:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/23 14:00	05/09/23 22:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/23 14:00	05/09/23 22:16	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/09/23 14:00	05/09/23 22:16	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

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

Lab Sample ID: MB 880-52956/5-A
Matrix: Solid
Analysis Batch: 52910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52956

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/23 14:00	05/09/23 22:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/23 14:00	05/09/23 22:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/09/23 14:00*	*05/09/23 22:16*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/09/23 14:00*	*05/09/23 22:16*	*1*

Lab Sample ID: LCS 880-52956/1-A
Matrix: Solid
Analysis Batch: 52910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52956

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1212		mg/Kg		121	70 - 130		
Toluene			0.100	0.09861		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09529		mg/Kg		95	70 - 130		
m,p-Xylenes			0.200	0.1880		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.09481		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-52956/2-A
Matrix: Solid
Analysis Batch: 52910

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52956

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1235		mg/Kg		124	70 - 130	2	35
Toluene			0.100	0.1049		mg/Kg		105	70 - 130	6	35
Ethylbenzene			0.100	0.1040		mg/Kg		104	70 - 130	9	35
m,p-Xylenes			0.200	0.2072		mg/Kg		104	70 - 130	10	35
o-Xylene			0.100	0.1040		mg/Kg		104	70 - 130	9	35

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

Lab Sample ID: 880-28154-20 MS
Matrix: Solid
Analysis Batch: 52910

Client Sample ID: S-7 0-.5
Prep Type: Total/NA
Prep Batch: 52956

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0998	0.1092		mg/Kg		109	70 - 130		
Toluene	<0.00199	U	0.0998	0.08666		mg/Kg		85	70 - 130		
Ethylbenzene	<0.00199	U	0.0998	0.08331		mg/Kg		83	70 - 130		
m,p-Xylenes	<0.00398	U	0.200	0.1627		mg/Kg		82	70 - 130		
o-Xylene	<0.00199	U	0.0998	0.08117		mg/Kg		81	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

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

Lab Sample ID: 880-28154-20 MS
Matrix: Solid
Analysis Batch: 52910

Client Sample ID: S-7 0-.5
Prep Type: Total/NA
Prep Batch: 52956

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-28154-20 MSD
Matrix: Solid
Analysis Batch: 52910

Client Sample ID: S-7 0-.5
Prep Type: Total/NA
Prep Batch: 52956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1143		mg/Kg		113	70 - 130	5	35
Toluene	<0.00199	U	0.100	0.09114		mg/Kg		89	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.100	0.09025		mg/Kg		90	70 - 130	8	35
m,p-Xylenes	<0.00398	U	0.201	0.1774		mg/Kg		88	70 - 130	9	35
o-Xylene	<0.00199	U	0.100	0.08857		mg/Kg		88	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-52945/1-A
Matrix: Solid
Analysis Batch: 53090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52945

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		05/09/23 13:21	05/11/23 13:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 13:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/23 13:21	05/11/23 13:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	05/09/23 13:21	05/11/23 13:04	1
o-Terphenyl (Surr)	115		70 - 130	05/09/23 13:21	05/11/23 13:04	1

Lab Sample ID: LCS 880-52945/2-A
Matrix: Solid
Analysis Batch: 53090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52945

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	977.9		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	758.9		mg/Kg		76	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	97		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

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

Lab Sample ID: LCSD 880-52945/3-A
Matrix: Solid
Analysis Batch: 53090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52945

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	930.4		mg/Kg		93	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	827.7		mg/Kg		83	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*97*		*70 - 130*
o-Terphenyl (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-28154-1 MS
Matrix: Solid
Analysis Batch: 53090

Client Sample ID: S-1 0-1
Prep Type: Total/NA
Prep Batch: 52945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	933.9		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	923.4		mg/Kg		90	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*97*		*70 - 130*
o-Terphenyl (Surr)	*83*		*70 - 130*

Lab Sample ID: 880-28154-1 MSD
Matrix: Solid
Analysis Batch: 53090

Client Sample ID: S-1 0-1
Prep Type: Total/NA
Prep Batch: 52945

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	997	991.3		mg/Kg		98	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	954.4		mg/Kg		94	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*101*		*70 - 130*
o-Terphenyl (Surr)	*85*		*70 - 130*

Lab Sample ID: MB 880-53140/1-A
Matrix: Solid
Analysis Batch: 53083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53140

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		05/11/23 12:23	05/11/23 20:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/11/23 12:23	05/11/23 20:17	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/11/23 12:23	05/11/23 20:17	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

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

Lab Sample ID: MB 880-53140/1-A
Matrix: Solid
Analysis Batch: 53083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53140

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	151	S1+	70 - 130	05/11/23 12:23	05/11/23 20:17	1
o-Terphenyl (Surr)	123		70 - 130	05/11/23 12:23	05/11/23 20:17	1

Lab Sample ID: LCS 880-53140/2-A
Matrix: Solid
Analysis Batch: 53083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	873.9		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	942.2		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	111		70 - 130
o-Terphenyl (Surr)	87		70 - 130

Lab Sample ID: LCSD 880-53140/3-A
Matrix: Solid
Analysis Batch: 53083

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	863.0		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	897.7		mg/Kg		90	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	118		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-52959/1-A
Matrix: Solid
Analysis Batch: 53159

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			05/11/23 12:05	1

Lab Sample ID: LCS 880-52959/2-A
Matrix: Solid
Analysis Batch: 53159

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.2		mg/Kg		92	90 - 110

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-52959/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 53159

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	229.9		mg/Kg		92	90 - 110	0	20

Lab Sample ID: MB 880-52961/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 53292

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/12/23 19:21	1

Lab Sample ID: LCS 880-52961/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 53292

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

Lab Sample ID: LCSD 880-52961/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 53292

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.6		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-28154-1 MS — **Client Sample ID: S-1 0-1**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 53292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	435	F1	249	637.7	F1	mg/Kg		81	90 - 110		

Lab Sample ID: 880-28154-1 MSD — **Client Sample ID: S-1 0-1**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 53292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	435	F1	249	637.5	F1	mg/Kg		81	90 - 110	0	20

Lab Sample ID: 880-28154-11 MS — **Client Sample ID: S-4 0-1**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 53292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	617	F1	251	951.0	F1	mg/Kg		133	90 - 110		

Lab Sample ID: 880-28154-11 MSD — **Client Sample ID: S-4 0-1**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 53292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	617	F1	251	953.1	F1	mg/Kg		134	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

GC VOA

Analysis Batch: 52909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-1	S-1 0-1	Total/NA	Solid	8021B	52942
880-28154-2	S-1 1-2	Total/NA	Solid	8021B	52942
880-28154-3	S-1 2-3	Total/NA	Solid	8021B	52942
880-28154-4	S-1 3-4	Total/NA	Solid	8021B	52942
880-28154-5	S-2 0-1	Total/NA	Solid	8021B	52942
880-28154-6	S-2 1-2	Total/NA	Solid	8021B	52942
880-28154-7	S-2 2-3	Total/NA	Solid	8021B	52942
880-28154-8	S-3 0-1	Total/NA	Solid	8021B	52942
880-28154-9	S-3 1-2	Total/NA	Solid	8021B	52942
880-28154-10	S-3 2-3	Total/NA	Solid	8021B	52942
880-28154-11	S-4 0-1	Total/NA	Solid	8021B	52942
880-28154-12	S-4 1-2	Total/NA	Solid	8021B	52942
880-28154-13	S-4 2-3	Total/NA	Solid	8021B	52942
880-28154-14	S-4 3-4	Total/NA	Solid	8021B	52942
880-28154-15	S-4 4-5	Total/NA	Solid	8021B	52942
880-28154-16	S-5 0-.5	Total/NA	Solid	8021B	52942
880-28154-17	S-5 .5-1	Total/NA	Solid	8021B	52942
880-28154-18	S-6 0-.5	Total/NA	Solid	8021B	52942
880-28154-19	S-6 .5-1	Total/NA	Solid	8021B	52942
MB 880-52942/5-A	Method Blank	Total/NA	Solid	8021B	52942
LCS 880-52942/1-A	Lab Control Sample	Total/NA	Solid	8021B	52942
LCSD 880-52942/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52942
880-28154-1 MS	S-1 0-1	Total/NA	Solid	8021B	52942
880-28154-1 MSD	S-1 0-1	Total/NA	Solid	8021B	52942

Analysis Batch: 52910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-20	S-7 0-.5	Total/NA	Solid	8021B	52956
880-28154-21	S-7 .5-1	Total/NA	Solid	8021B	52956
880-28154-22	S-8 0-.5	Total/NA	Solid	8021B	52956
880-28154-23	S-8 .5-1	Total/NA	Solid	8021B	52956
MB 880-52913/5-A	Method Blank	Total/NA	Solid	8021B	52913
MB 880-52956/5-A	Method Blank	Total/NA	Solid	8021B	52956
LCS 880-52956/1-A	Lab Control Sample	Total/NA	Solid	8021B	52956
LCSD 880-52956/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52956
880-28154-20 MS	S-7 0-.5	Total/NA	Solid	8021B	52956
880-28154-20 MSD	S-7 0-.5	Total/NA	Solid	8021B	52956

Prep Batch: 52913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52913/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 52942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-1	S-1 0-1	Total/NA	Solid	5035	
880-28154-2	S-1 1-2	Total/NA	Solid	5035	
880-28154-3	S-1 2-3	Total/NA	Solid	5035	
880-28154-4	S-1 3-4	Total/NA	Solid	5035	
880-28154-5	S-2 0-1	Total/NA	Solid	5035	
880-28154-6	S-2 1-2	Total/NA	Solid	5035	
880-28154-7	S-2 2-3	Total/NA	Solid	5035	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

GC VOA (Continued)

Prep Batch: 52942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-8	S-3 0-1	Total/NA	Solid	5035	
880-28154-9	S-3 1-2	Total/NA	Solid	5035	
880-28154-10	S-3 2-3	Total/NA	Solid	5035	
880-28154-11	S-4 0-1	Total/NA	Solid	5035	
880-28154-12	S-4 1-2	Total/NA	Solid	5035	
880-28154-13	S-4 2-3	Total/NA	Solid	5035	
880-28154-14	S-4 3-4	Total/NA	Solid	5035	
880-28154-15	S-4 4-5	Total/NA	Solid	5035	
880-28154-16	S-5 0-.5	Total/NA	Solid	5035	
880-28154-17	S-5 .5-1	Total/NA	Solid	5035	
880-28154-18	S-6 0-.5	Total/NA	Solid	5035	
880-28154-19	S-6 .5-1	Total/NA	Solid	5035	
MB 880-52942/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52942/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52942/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28154-1 MS	S-1 0-1	Total/NA	Solid	5035	
880-28154-1 MSD	S-1 0-1	Total/NA	Solid	5035	

Prep Batch: 52956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-20	S-7 0-.5	Total/NA	Solid	5035	
880-28154-21	S-7 .5-1	Total/NA	Solid	5035	
880-28154-22	S-8 0-.5	Total/NA	Solid	5035	
880-28154-23	S-8 .5-1	Total/NA	Solid	5035	
MB 880-52956/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52956/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52956/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28154-20 MS	S-7 0-.5	Total/NA	Solid	5035	
880-28154-20 MSD	S-7 0-.5	Total/NA	Solid	5035	

Analysis Batch: 53013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-1	S-1 0-1	Total/NA	Solid	Total BTEX	
880-28154-2	S-1 1-2	Total/NA	Solid	Total BTEX	
880-28154-3	S-1 2-3	Total/NA	Solid	Total BTEX	
880-28154-4	S-1 3-4	Total/NA	Solid	Total BTEX	
880-28154-5	S-2 0-1	Total/NA	Solid	Total BTEX	
880-28154-6	S-2 1-2	Total/NA	Solid	Total BTEX	
880-28154-7	S-2 2-3	Total/NA	Solid	Total BTEX	
880-28154-8	S-3 0-1	Total/NA	Solid	Total BTEX	
880-28154-9	S-3 1-2	Total/NA	Solid	Total BTEX	
880-28154-10	S-3 2-3	Total/NA	Solid	Total BTEX	
880-28154-11	S-4 0-1	Total/NA	Solid	Total BTEX	
880-28154-12	S-4 1-2	Total/NA	Solid	Total BTEX	
880-28154-13	S-4 2-3	Total/NA	Solid	Total BTEX	
880-28154-14	S-4 3-4	Total/NA	Solid	Total BTEX	
880-28154-15	S-4 4-5	Total/NA	Solid	Total BTEX	
880-28154-16	S-5 0-.5	Total/NA	Solid	Total BTEX	
880-28154-17	S-5 .5-1	Total/NA	Solid	Total BTEX	
880-28154-18	S-6 0-.5	Total/NA	Solid	Total BTEX	
880-28154-19	S-6 .5-1	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

GC VOA (Continued)

Analysis Batch: 53013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-20	S-7 0-.5	Total/NA	Solid	Total BTEX	
880-28154-21	S-7 .5-1	Total/NA	Solid	Total BTEX	
880-28154-22	S-8 0-.5	Total/NA	Solid	Total BTEX	
880-28154-23	S-8 .5-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 52945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-1	S-1 0-1	Total/NA	Solid	8015NM Prep	
880-28154-2	S-1 1-2	Total/NA	Solid	8015NM Prep	
880-28154-3	S-1 2-3	Total/NA	Solid	8015NM Prep	
880-28154-4	S-1 3-4	Total/NA	Solid	8015NM Prep	
880-28154-5	S-2 0-1	Total/NA	Solid	8015NM Prep	
880-28154-6	S-2 1-2	Total/NA	Solid	8015NM Prep	
880-28154-7	S-2 2-3	Total/NA	Solid	8015NM Prep	
880-28154-8	S-3 0-1	Total/NA	Solid	8015NM Prep	
880-28154-9	S-3 1-2	Total/NA	Solid	8015NM Prep	
880-28154-10	S-3 2-3	Total/NA	Solid	8015NM Prep	
880-28154-11	S-4 0-1	Total/NA	Solid	8015NM Prep	
880-28154-12	S-4 1-2	Total/NA	Solid	8015NM Prep	
880-28154-13	S-4 2-3	Total/NA	Solid	8015NM Prep	
880-28154-14	S-4 3-4	Total/NA	Solid	8015NM Prep	
880-28154-15	S-4 4-5	Total/NA	Solid	8015NM Prep	
880-28154-16	S-5 0-.5	Total/NA	Solid	8015NM Prep	
880-28154-17	S-5 .5-1	Total/NA	Solid	8015NM Prep	
880-28154-18	S-6 0-.5	Total/NA	Solid	8015NM Prep	
880-28154-19	S-6 .5-1	Total/NA	Solid	8015NM Prep	
880-28154-20	S-7 0-.5	Total/NA	Solid	8015NM Prep	
MB 880-52945/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52945/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52945/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28154-1 MS	S-1 0-1	Total/NA	Solid	8015NM Prep	
880-28154-1 MSD	S-1 0-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-21	S-7 .5-1	Total/NA	Solid	8015B NM	53140
880-28154-22	S-8 0-.5	Total/NA	Solid	8015B NM	53140
880-28154-23	S-8 .5-1	Total/NA	Solid	8015B NM	53140
MB 880-53140/1-A	Method Blank	Total/NA	Solid	8015B NM	53140
LCS 880-53140/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53140
LCSD 880-53140/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53140

Analysis Batch: 53090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-1	S-1 0-1	Total/NA	Solid	8015B NM	52945
880-28154-2	S-1 1-2	Total/NA	Solid	8015B NM	52945
880-28154-3	S-1 2-3	Total/NA	Solid	8015B NM	52945
880-28154-4	S-1 3-4	Total/NA	Solid	8015B NM	52945
880-28154-5	S-2 0-1	Total/NA	Solid	8015B NM	52945

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

GC Semi VOA (Continued)

Analysis Batch: 53090 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-6	S-2 1-2	Total/NA	Solid	8015B NM	52945
880-28154-7	S-2 2-3	Total/NA	Solid	8015B NM	52945
880-28154-8	S-3 0-1	Total/NA	Solid	8015B NM	52945
880-28154-9	S-3 1-2	Total/NA	Solid	8015B NM	52945
880-28154-10	S-3 2-3	Total/NA	Solid	8015B NM	52945
880-28154-11	S-4 0-1	Total/NA	Solid	8015B NM	52945
880-28154-12	S-4 1-2	Total/NA	Solid	8015B NM	52945
880-28154-13	S-4 2-3	Total/NA	Solid	8015B NM	52945
880-28154-14	S-4 3-4	Total/NA	Solid	8015B NM	52945
880-28154-15	S-4 4-5	Total/NA	Solid	8015B NM	52945
880-28154-16	S-5 0-.5	Total/NA	Solid	8015B NM	52945
880-28154-17	S-5 .5-1	Total/NA	Solid	8015B NM	52945
880-28154-18	S-6 0-.5	Total/NA	Solid	8015B NM	52945
880-28154-19	S-6 .5-1	Total/NA	Solid	8015B NM	52945
880-28154-20	S-7 0-.5	Total/NA	Solid	8015B NM	52945
MB 880-52945/1-A	Method Blank	Total/NA	Solid	8015B NM	52945
LCS 880-52945/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52945
LCSD 880-52945/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52945
880-28154-1 MS	S-1 0-1	Total/NA	Solid	8015B NM	52945
880-28154-1 MSD	S-1 0-1	Total/NA	Solid	8015B NM	52945

Prep Batch: 53140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-21	S-7 .5-1	Total/NA	Solid	8015NM Prep	
880-28154-22	S-8 0-.5	Total/NA	Solid	8015NM Prep	
880-28154-23	S-8 .5-1	Total/NA	Solid	8015NM Prep	
MB 880-53140/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53140/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53140/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-1	S-1 0-1	Total/NA	Solid	8015 NM	
880-28154-2	S-1 1-2	Total/NA	Solid	8015 NM	
880-28154-3	S-1 2-3	Total/NA	Solid	8015 NM	
880-28154-4	S-1 3-4	Total/NA	Solid	8015 NM	
880-28154-5	S-2 0-1	Total/NA	Solid	8015 NM	
880-28154-6	S-2 1-2	Total/NA	Solid	8015 NM	
880-28154-7	S-2 2-3	Total/NA	Solid	8015 NM	
880-28154-8	S-3 0-1	Total/NA	Solid	8015 NM	
880-28154-9	S-3 1-2	Total/NA	Solid	8015 NM	
880-28154-10	S-3 2-3	Total/NA	Solid	8015 NM	
880-28154-11	S-4 0-1	Total/NA	Solid	8015 NM	
880-28154-12	S-4 1-2	Total/NA	Solid	8015 NM	
880-28154-13	S-4 2-3	Total/NA	Solid	8015 NM	
880-28154-14	S-4 3-4	Total/NA	Solid	8015 NM	
880-28154-15	S-4 4-5	Total/NA	Solid	8015 NM	
880-28154-16	S-5 0-.5	Total/NA	Solid	8015 NM	
880-28154-17	S-5 .5-1	Total/NA	Solid	8015 NM	
880-28154-18	S-6 0-.5	Total/NA	Solid	8015 NM	
880-28154-19	S-6 .5-1	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

GC Semi VOA (Continued)

Analysis Batch: 53208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-20	S-7 0-.5	Total/NA	Solid	8015 NM	
880-28154-21	S-7 .5-1	Total/NA	Solid	8015 NM	
880-28154-22	S-8 0-.5	Total/NA	Solid	8015 NM	
880-28154-23	S-8 .5-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 52959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-21	S-7 .5-1	Soluble	Solid	DI Leach	
880-28154-22	S-8 0-.5	Soluble	Solid	DI Leach	
880-28154-23	S-8 .5-1	Soluble	Solid	DI Leach	
MB 880-52959/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52959/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52959/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 52961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-1	S-1 0-1	Soluble	Solid	DI Leach	
880-28154-2	S-1 1-2	Soluble	Solid	DI Leach	
880-28154-3	S-1 2-3	Soluble	Solid	DI Leach	
880-28154-4	S-1 3-4	Soluble	Solid	DI Leach	
880-28154-5	S-2 0-1	Soluble	Solid	DI Leach	
880-28154-6	S-2 1-2	Soluble	Solid	DI Leach	
880-28154-7	S-2 2-3	Soluble	Solid	DI Leach	
880-28154-8	S-3 0-1	Soluble	Solid	DI Leach	
880-28154-9	S-3 1-2	Soluble	Solid	DI Leach	
880-28154-10	S-3 2-3	Soluble	Solid	DI Leach	
880-28154-11	S-4 0-1	Soluble	Solid	DI Leach	
880-28154-12	S-4 1-2	Soluble	Solid	DI Leach	
880-28154-13	S-4 2-3	Soluble	Solid	DI Leach	
880-28154-14	S-4 3-4	Soluble	Solid	DI Leach	
880-28154-15	S-4 4-5	Soluble	Solid	DI Leach	
880-28154-16	S-5 0-.5	Soluble	Solid	DI Leach	
880-28154-17	S-5 .5-1	Soluble	Solid	DI Leach	
880-28154-18	S-6 0-.5	Soluble	Solid	DI Leach	
880-28154-19	S-6 .5-1	Soluble	Solid	DI Leach	
880-28154-20	S-7 0-.5	Soluble	Solid	DI Leach	
MB 880-52961/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52961/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52961/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28154-1 MS	S-1 0-1	Soluble	Solid	DI Leach	
880-28154-1 MSD	S-1 0-1	Soluble	Solid	DI Leach	
880-28154-11 MS	S-4 0-1	Soluble	Solid	DI Leach	
880-28154-11 MSD	S-4 0-1	Soluble	Solid	DI Leach	

Analysis Batch: 53159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-21	S-7 .5-1	Soluble	Solid	300.0	52959
880-28154-22	S-8 0-.5	Soluble	Solid	300.0	52959
880-28154-23	S-8 .5-1	Soluble	Solid	300.0	52959

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

HPLC/IC (Continued)

Analysis Batch: 53159 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52959/1-A	Method Blank	Soluble	Solid	300.0	52959
LCS 880-52959/2-A	Lab Control Sample	Soluble	Solid	300.0	52959
LCSD 880-52959/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52959

Analysis Batch: 53292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28154-1	S-1 0-1	Soluble	Solid	300.0	52961
880-28154-2	S-1 1-2	Soluble	Solid	300.0	52961
880-28154-3	S-1 2-3	Soluble	Solid	300.0	52961
880-28154-4	S-1 3-4	Soluble	Solid	300.0	52961
880-28154-5	S-2 0-1	Soluble	Solid	300.0	52961
880-28154-6	S-2 1-2	Soluble	Solid	300.0	52961
880-28154-7	S-2 2-3	Soluble	Solid	300.0	52961
880-28154-8	S-3 0-1	Soluble	Solid	300.0	52961
880-28154-9	S-3 1-2	Soluble	Solid	300.0	52961
880-28154-10	S-3 2-3	Soluble	Solid	300.0	52961
880-28154-11	S-4 0-1	Soluble	Solid	300.0	52961
880-28154-12	S-4 1-2	Soluble	Solid	300.0	52961
880-28154-13	S-4 2-3	Soluble	Solid	300.0	52961
880-28154-14	S-4 3-4	Soluble	Solid	300.0	52961
880-28154-15	S-4 4-5	Soluble	Solid	300.0	52961
880-28154-16	S-5 0-.5	Soluble	Solid	300.0	52961
880-28154-17	S-5 .5-1	Soluble	Solid	300.0	52961
880-28154-18	S-6 0-.5	Soluble	Solid	300.0	52961
880-28154-19	S-6 .5-1	Soluble	Solid	300.0	52961
880-28154-20	S-7 0-.5	Soluble	Solid	300.0	52961
MB 880-52961/1-A	Method Blank	Soluble	Solid	300.0	52961
LCS 880-52961/2-A	Lab Control Sample	Soluble	Solid	300.0	52961
LCSD 880-52961/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52961
880-28154-1 MS	S-1 0-1	Soluble	Solid	300.0	52961
880-28154-1 MSD	S-1 0-1	Soluble	Solid	300.0	52961
880-28154-11 MS	S-4 0-1	Soluble	Solid	300.0	52961
880-28154-11 MSD	S-4 0-1	Soluble	Solid	300.0	52961

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-1 0-1
Date Collected: 05/08/23 12:00
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 14:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 19:37	SMC	EET MID

Client Sample ID: S-1 1-2
Date Collected: 05/08/23 12:02
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 15:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 15:22	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 19:53	SMC	EET MID

Client Sample ID: S-1 2-3
Date Collected: 05/08/23 12:04
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 15:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 15:43	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 19:59	SMC	EET MID

Client Sample ID: S-1 3-4
Date Collected: 05/08/23 12:06
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 15:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-1 3-4
Date Collected: 05/08/23 12:06
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-4
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			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 16:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 20:04	SMC	EET MID

Client Sample ID: S-2 0-1
Date Collected: 05/08/23 12:08
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 16:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 16:27	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 20:09	SMC	EET MID

Client Sample ID: S-2 1-2
Date Collected: 05/08/23 12:10
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 16:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 20:26	SMC	EET MID

Client Sample ID: S-2 2-3
Date Collected: 05/08/23 12:12
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 16:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 17:10	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-2 2-3
Date Collected: 05/08/23 12:12
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 20:31	SMC	EET MID

Client Sample ID: S-3 0-1
Date Collected: 05/08/23 12:14
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 17:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 17:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 20:36	SMC	EET MID

Client Sample ID: S-3 1-2
Date Collected: 05/08/23 12:16
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 17:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 20:42	SMC	EET MID

Client Sample ID: S-3 2-3
Date Collected: 05/08/23 12:18
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 18:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 20:47	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-4 0-1

Date Collected: 05/08/23 12:20
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-11

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			5.03 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 18:59	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 20:52	SMC	EET MID

Client Sample ID: S-4 1-2

Date Collected: 05/08/23 12:22
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 19:20	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 21:08	SMC	EET MID

Client Sample ID: S-4 2-3

Date Collected: 05/08/23 12:24
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-13

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			4.97 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 19:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 21:14	SMC	EET MID

Client Sample ID: S-4 3-4

Date Collected: 05/08/23 12:26
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 20:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-4 3-4

Date Collected: 05/08/23 12:26
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 20:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 21:30	SMC	EET MID

Client Sample ID: S-4 4-5

Date Collected: 05/08/23 12:28
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 21:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.031 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 20:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 21:36	SMC	EET MID

Client Sample ID: S-5 0-.5

Date Collected: 05/08/23 12:30
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 21:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 20:46	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 21:41	SMC	EET MID

Client Sample ID: S-5 .5-1

Date Collected: 05/08/23 12:32
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 21:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 21:07	SM	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-5 .5-1
Date Collected: 05/08/23 12:32
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 21:46	SMC	EET MID

Client Sample ID: S-6 0-.5
Date Collected: 05/08/23 12:34
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 22:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 21:28	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 21:52	SMC	EET MID

Client Sample ID: S-6 .5-1
Date Collected: 05/08/23 12:36
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52942	05/09/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52909	05/09/23 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 21:50	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 21:57	SMC	EET MID

Client Sample ID: S-7 0-.5
Date Collected: 05/08/23 12:38
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52956	05/09/23 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52910	05/09/23 22:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 13:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52945	05/09/23 13:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53090	05/11/23 22:11	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52961	05/09/23 14:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53292	05/12/23 22:03	SMC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Client Sample ID: S-7 .5-1

Date Collected: 05/08/23 12:40
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52956	05/09/23 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52910	05/09/23 22:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53140	05/11/23 12:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53083	05/12/23 01:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52959	05/11/23 10:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53159	05/11/23 17:11	SMC	EET MID

Client Sample ID: S-8 0-.5

Date Collected: 05/08/23 12:42
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52956	05/09/23 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52910	05/09/23 23:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53140	05/11/23 12:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53083	05/12/23 02:02	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52959	05/11/23 10:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53159	05/11/23 17:17	SMC	EET MID

Client Sample ID: S-8 .5-1

Date Collected: 05/08/23 12:44
Date Received: 05/09/23 09:18

Lab Sample ID: 880-28154-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52956	05/09/23 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52910	05/09/23 23:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53013	05/10/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			53208	05/12/23 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53140	05/11/23 12:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53083	05/12/23 02:23	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52959	05/11/23 10:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53159	05/11/23 17:22	SMC	EET MID

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-28154-1
Project/Site: Salado Corridor Line 3rd Spill SDG: 2596 & 2597

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	T104704400-22-25	06-30-23

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 Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Salado Corridor Line 3rd Spill

Job ID: 880-28154-1
SDG: 2596 & 2597

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28154-1	S-1 0-1	Solid	05/08/23 12:00	05/09/23 09:18
880-28154-2	S-1 1-2	Solid	05/08/23 12:02	05/09/23 09:18
880-28154-3	S-1 2-3	Solid	05/08/23 12:04	05/09/23 09:18
880-28154-4	S-1 3-4	Solid	05/08/23 12:06	05/09/23 09:18
880-28154-5	S-2 0-1	Solid	05/08/23 12:08	05/09/23 09:18
880-28154-6	S-2 1-2	Solid	05/08/23 12:10	05/09/23 09:18
880-28154-7	S-2 2-3	Solid	05/08/23 12:12	05/09/23 09:18
880-28154-8	S-3 0-1	Solid	05/08/23 12:14	05/09/23 09:18
880-28154-9	S-3 1-2	Solid	05/08/23 12:16	05/09/23 09:18
880-28154-10	S-3 2-3	Solid	05/08/23 12:18	05/09/23 09:18
880-28154-11	S-4 0-1	Solid	05/08/23 12:20	05/09/23 09:18
880-28154-12	S-4 1-2	Solid	05/08/23 12:22	05/09/23 09:18
880-28154-13	S-4 2-3	Solid	05/08/23 12:24	05/09/23 09:18
880-28154-14	S-4 3-4	Solid	05/08/23 12:26	05/09/23 09:18
880-28154-15	S-4 4-5	Solid	05/08/23 12:28	05/09/23 09:18
880-28154-16	S-5 0-.5	Solid	05/08/23 12:30	05/09/23 09:18
880-28154-17	S-5 .5-1	Solid	05/08/23 12:32	05/09/23 09:18
880-28154-18	S-6 0-.5	Solid	05/08/23 12:34	05/09/23 09:18
880-28154-19	S-6 .5-1	Solid	05/08/23 12:36	05/09/23 09:18
880-28154-20	S-7 0-.5	Solid	05/08/23 12:38	05/09/23 09:18
880-28154-21	S-7 .5-1	Solid	05/08/23 12:40	05/09/23 09:18
880-28154-22	S-8 0-.5	Solid	05/08/23 12:42	05/09/23 09:18
880-28154-23	S-8 .5-1	Solid	05/08/23 12:44	05/09/23 09:18

28154 No. 2596

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N Marienfeld, Ste 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE 5-8-2023 PAGE 1 OF 2
PO#.
LAB WORK ORDER#
PROJECT LOCATION OR NAME: Salado Corridor Line 3rd spill
LAI PROJECT #: 23-0102-04 COLLECTOR: MF

TRRP report? ☐ Yes ☒ No

TIME ZONE. Time zone/State: MNT/NM

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES: BTEX ☒ MTBE ☐, TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐, GASOLINE MOD 8015 ☒, DIESEL - MOD 8015 ☒, OIL - MOD 8015 ☒, VOC 8260 ☐, SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐, 8081 PESTICIDES ☐ 8151 HERBICIDES ☐, 8082 PCBS ☐, TCLP - METALS (RCRA) ☐ TCLP VOC ☐, TCLP - PEST ☐ HERB ☐ 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 ☐ PECHLORATE ☐, CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	ICE	BTEX	Gasoline Mod 8015	Diesel Mod 8015	Oil Mod 8015	Chloride	FIELD NOTES
C-1 0-1		5-8-23	1200	S	1	X	X	X	X	X	X	
C-1 1-2		↓	1202	↓	↓	↓	↓	↓	↓	↓	↓	
C-1 2-3		↓	1204	↓	↓	↓	↓	↓	↓	↓	↓	
C-1 3-4		↓	1206	↓	↓	↓	↓	↓	↓	↓	↓	
C-2 0-1		↓	1208	↓	↓	↓	↓	↓	↓	↓	↓	
C-2 1-2		↓	1210	↓	↓	↓	↓	↓	↓	↓	↓	
C-2 2-3		↓	1212	↓	↓	↓	↓	↓	↓	↓	↓	
C-3 0-1		↓	1214	↓	↓	↓	↓	↓	↓	↓	↓	
C-3 1-2		↓	1216	↓	↓	↓	↓	↓	↓	↓	↓	
C-3 2-3		↓	1218	↓	↓	↓	↓	↓	↓	↓	↓	
C-4 0-1		↓	1220	↓	↓	↓	↓	↓	↓	↓	↓	
C-4 1-2		↓	1222	↓	↓	↓	↓	↓	↓	↓	↓	
C-4 2-3		↓	1224	↓	↓	↓	↓	↓	↓	↓	↓	
C-4 3-4		↓	1226	↓	↓	↓	↓	↓	↓	↓	↓	
C-4 4.5		↓	1228	↓	↓	↓	↓	↓	↓	↓	↓	
TOTAL												

880-28154 Chain of Custody

RELINQUISHED BY (Signature): Matthew Fuller DATE/TIME: 5-9-2023 RECEIVED BY (Signature): [signature] 9-18
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)
LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP 1.3/1.1 THERM# T(?)
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

28154 No. 2597

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N Marienfeld, Ste 202
Midland, TX 79701
432-687-0901

Data Reported to

DATE: 5-8-2023 PAGE 2 OF 2

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME. Salado Corridor Cine 3rd Sp.'11

LAI PROJECT #. 23-0102-04 COLLECTOR: MF

TRRP report? ☐ Yes ☒ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

TIME ZONE
Time zone/State: MNT/NM

Field Sample I D	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D W 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-5 0-.5		5/8/23	1230	S	1				X		X				X	X	X																								X			
C-5 .5-1		"	1232	"	"				"		"				"	"	"																								"			
C-6 0-.5		"	1234	"	"				"		"				"	"	"																								"			
C-6 .5-1		"	1236	"	"				"		"				"	"	"																								"			
C-7 0-.5		"	1238	"	"				"		"				"	"	"																								"			
C-7 .5-1		"	1240	"	"				"		"				"	"	"																								"			
C-8 0-.5		"	1242	"	"				"		"				"	"	"																								"			
C-8 .5-1		"	1244	"	"				"		"				"	"	"																								"			

Loc: 880
28154

TOTAL

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Matthew Fuller	5-9-2023	9:18
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Xenco		
LABORATORY		

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

LABORATORY USE ONLY:
RECEIVING TEMP 1.3/1.1 THERM# IR8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-28154-1
SDG Number: 2596 & 2597

Login Number: 28154
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	

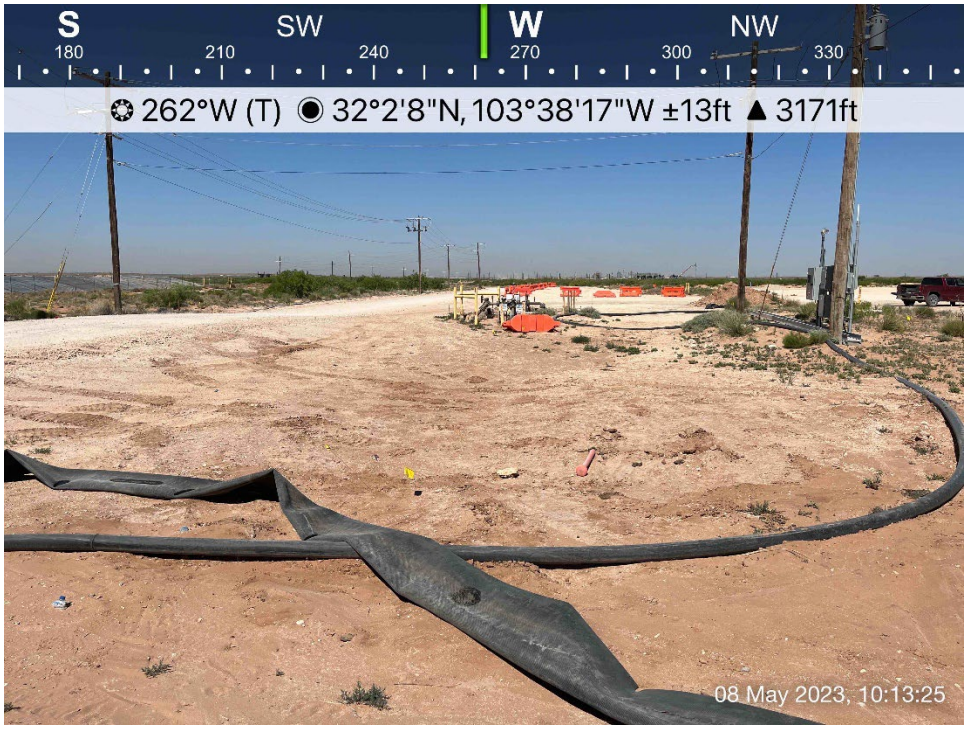
Appendix D

Photographic Documentation

Impacted area viewing east, September 19, 2022

Impacted area viewing northeast, September 19, 2022

Impacted area viewing east, May 8, 2023



Impacted area viewing west, May 8 , 2023

Impacted area viewing south, May 8, 2023

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 231076

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 231076
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved as written. Chevron has 60-days (November 20, 2023) to submit its appropriate or final closure report.	9/19/2023