

Incident ID: nAPP2531648708
Delineation Report and Remediation Plan
Raley A #1
Crude Oil Release
Lea County, New Mexico

Latitude: 32.58279
Longitude: -103.16549

LAI Project No. 25-0124-01

December 9, 2025

Prepared for:

Raw Oil & Gas, Inc.
1415 Buddy Holly Ave.
Lubbock, Texas 79401

Prepared by:

Larson & Associates, Inc.
507 North Marienfeld Street, Suite 201
Midland, Texas 79701

Daniel St. Germain

Daniel St. Germain, P.G.
Senior Geologist

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Raw Oil & Gas - Raley A #1
Crude Oil Release
December 9, 2025

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this delineation report and remediation plan on behalf of Raw Oil & Gas, Inc. (Raw) for submittal to the New Mexico Oil Conservation Division (NMOCD) District I in Hobbs, New Mexico, for a crude oil release at the Raley A #1 (Site) located in Unit P, Section 8, Township 20 South, Range 38 East, in Lea County, New Mexico. The geodetic position is 32.58279, -103.16549. Figure 1 presents a topographic map.

1.1 Background

The release occurred on November 11, 2025, and was caused by a hot oil truck catching on fire. About twenty-nine (29) barrels of crude oil were released onto the pad over an area of about 13,678 square feet; no fluid was recovered. The incident occurred on privately owned land. The initial C-141 and spill calculation were submitted to the NMOCD District I on November 26, 2025, and was assigned incident number nAPP2514142619. Appendix A presents the initial C-141 and spill calculation.

1.2 Physical Setting

The physical setting is as follows:

- Surface elevation is approximately 3,573 feet above mean sea level (msl).
- Surface topography slopes gently to the east.
- The nearest continuously flowing water course (Pecos River) is located about 54 miles to the west.
- The nearest lakebed, sinkhole, or playa lake is located about 0.75 miles to the southwest.
- The nearest wetland is located about 0.75 miles to the southwest.
- The nearest subsurface mine is located about 35.5 miles to the northeast.
- The nearest 100-year flood plain is located about 7.2 miles to the northeast.
- There nearest active water well for stock watering is located about 1.34 miles feet to the northwest.
- USGS karst occurrence potential data designates the area as low risk.
- The geology is described as Quaternary colluvial deposits composed of sand and silt deposited by slope wash and talus derived from the Ogallala formation.
- Soils are Ratcliff-Wink fine sandy loams, where the typical Ratliff profile consists of 4 inches of fine sandy loam underlain by 56 inches of clay loam; and the typical Wink profile consists of 12 inches of fine sandy loam and 48 inches of sandy loam.
- Groundwater was reported at greater 60 feet below ground surface (bgs), based on a groundwater determination boring (GWB-1) drilled on September 13, 2021, about 0.19 miles east of the Site and was dry when gauged 72-hours after completion.

Figure 2 presents an aerial map with boring (GWB-1) location. Appendix B presents a karst potential map. Appendix C presents the soil boring log.

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Crude Oil Release
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1.3 Delineation Standards

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

Parameter	Limit
Benzene	10 mg/Kg
BTEX	50 mg/Kg
TPH	100 mg/Kg
Chloride	600 mg/Kg

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

2.0 DELINEATION

Between November 11 and 12, 2025, immediately began remediation after the discovery of the release. Raw removed approximately 672 cubic yards from an area of about 13,679 square feet at depths between one (1) and one and a half (1.5) feet bgs. The impacted material was disposed of at the J&L Landfarm in Lea County, New Mexico.

On November 13, 2025, LAI personnel used a stainless-steel hand auger to collect 20 delineation samples from twelve (12) locations (S-01 through S-12), between a half foot (0.5) and two feet bgs, depending on subsurface conditions. Eight (8) locations (S-01 through S-08) are located inside of the spill area, and four (4) locations (S-09 through S-10) were collected outside of the release in each cardinal direction (north, south, east, and west).

The samples were delivered under chain-of-custody and preservation to Eurofins Laboratories (Eurofins) in Midland, Texas. Eurofins analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA SW-846 Method 8021B; total petroleum hydrocarbons (TPH), including gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by Method 8015M; and chloride by EPA Method 300. In all samples, benzene, BTEX, and TPH were reported below analytical reporting limit (RL) and NMOCD delineation limits of 10 mg/kg, 50 mg/kg, and 100 mg/kg, respectively. Chloride was reported above the delineation limit of 600 mg/kg in the lowermost samples collected from S-07 (1,530 mg/kg) and S-08 (2,020 mg/kg).

On December 3, 2025, LAI personnel collected six (6) samples from locations S-07 and S-08 at three (3), four (4), five (5) feet bgs with stainless-steel hand auger. The samples were delivered under chain-of-custody and preservation to Eurofins in Carlsbad, New Mexico. Eurofins reported that the lowermost samples from each location were below delineation limits for benzene, BTEX, TPH, and chloride. Laboratory results demonstrate that the release was fully delineated. Table 1 presents the delineation soil sample analytical data table. Figure 3 presents the soil sample location map. Appendix D presents the laboratory reports. Appendix E presents the photographic documentation.

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3.0 REMEDIATION PLAN

Raw proposes the following remedial actions:

- Use remediation criteria presented in Table 1 of 19.15.29 NMAC where groundwater is between 51 and 100 feet bgs, sensitive receptors are not within actionable distances, and where the release occurred onsite (benzene: 10 mg/kg, BTEX: 50 mg/kg, TPH: 1,000 mg/kg, and chloride: 10,000 mg/kg).
- Collect confirmation soil samples every 400 square feet from the bottom of the excavation, due to the size of the impacted/remediated area and that the delineation sample analytical results indicate that the release has likely been remediated based on closure criteria in Table 1 of 19.15.29 NMAC.
- Collect confirmation samples from the sidewalls every 200 square feet.
- Collect one (1) composite sample from backfill material prior to backfilling excavation.
- Laboratory analysis of all samples for BTEX, TPH, and chloride by NMOCD approved analytical methods.
- Backfill excavation with non-waste containing soil to surface level, assuming all confirmation and backfill samples are below NMOCD closure criteria.
- Prepare closure report for submittal to the NMOCD.

Tables

Delineation Sample Analytical Summary

Raw Oil Gas - Raley A #1

Lea County, New Mexico

32.58313, -103.16528

Sample ID	Depth Feet	Collection Date	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limits:			10.0	50.0				100/1,000	600/10,000
S-01	1	11/14/25	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	132
S-01	2	11/14/25	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	130
S-02	1	11/14/25	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<9.94
S-02	2	11/14/25	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<9.92
S-03	1	11/14/25	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<10.0
S-03	2	11/14/25	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<9.98
S-04	1	11/14/25	<0.00202	<0.00404	<50.4	<50.4	<50.4	<50.4	<9.94
S-04	2	11/14/25	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<9.92
S-05	1	11/14/25	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	18.1
S-05	2	11/14/25	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	15.2
S-06	1	11/14/25	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	41.0
S-06	2	11/14/25	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	104
S-07	1	11/14/25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	628
S-07	2	11/14/25	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	1,530
S-07	3	12/03/25	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,930
S-07	4	12/03/25	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	363
S-07	5	12/03/25	<0.00202	0.00571	<50.0	<50.0	<50.0	<50.0	<9.94
S-08	1	11/14/25	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	1,480
S-08	2	11/14/25	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	2,020
S-08	3	12/03/25	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	2,870
S-08	4	12/03/25	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	417
S-08	5	12/03/25	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<9.94
S-09	0-0.5	11/14/25	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4	75.1
S-10	0-0.5	11/14/25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<10.0
S-11	0-0.5	11/14/25	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<9.98
S-12	0-0.5	11/14/25	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<9.96
Notes:									
Analysis performed by Eurofins Laboratories (Eurofins), in Midland, Texas, by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and EPA Method 300 (chloride).									
BTEX: benzene, toluene, ethylbenzene, xylene									
TPH: total petroleum hydrocarbons									
GRO: gasoline range organics (C6-C-10)									
DRO: diesel range organics (>C10-C28)									
MRO: oil range organics (>C28-C36)									
mg/Kg: milligrams per kilogram; equivalent to parts per million (ppm)									
<: indicates that parameter concentration is below analytical method reporting limit									
Depth reported in feet below ground surface (bgs)									
Bold and highlighted indicates parameter concentration is above NMOCD delineation limits									

Figures

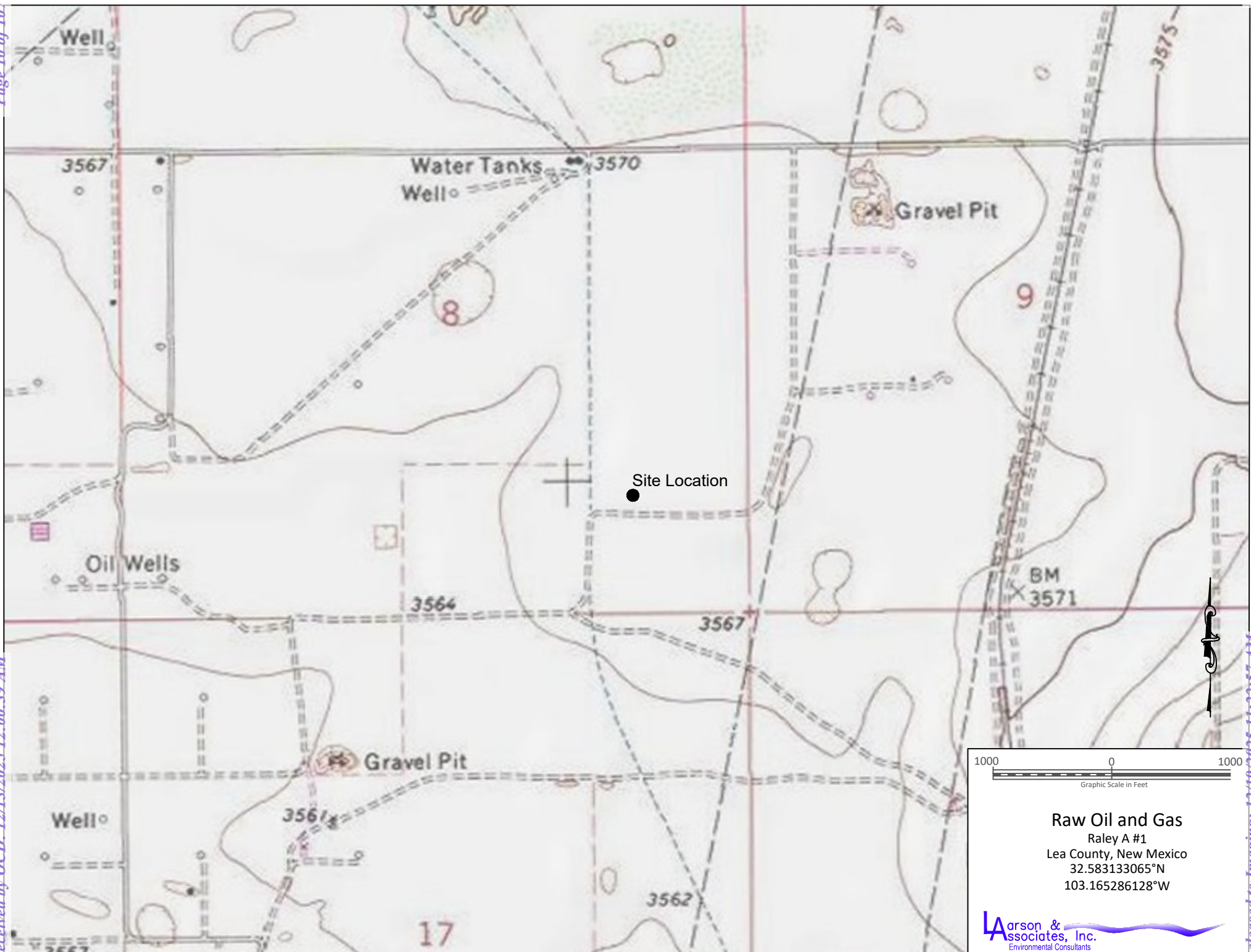
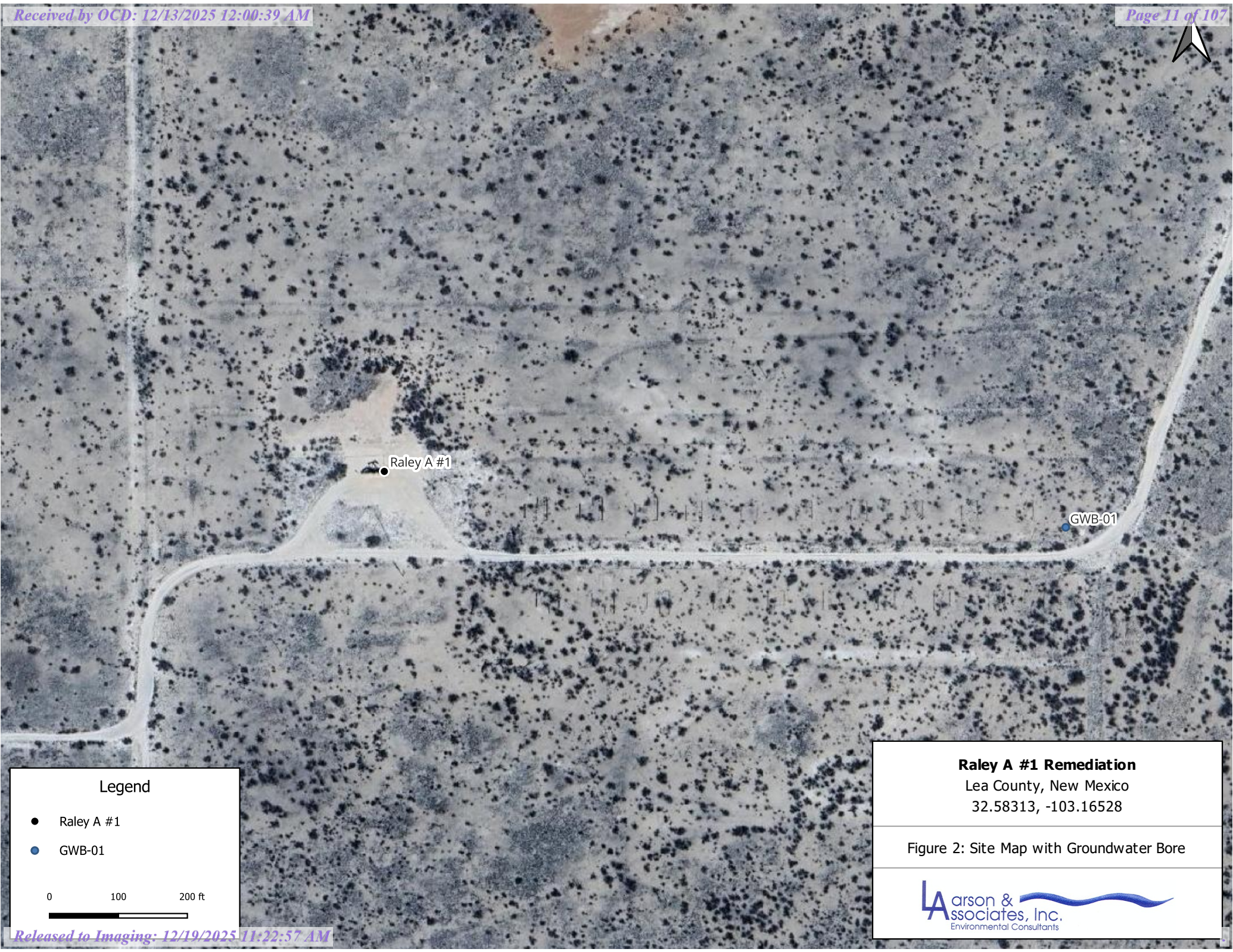


Figure 1 - Topographic Map



Legend

- Raley A #1
- GWB-01

0 100 200 ft

Raley A #1 Remediation

Lea County, New Mexico

32.58313, -103.16528

Figure 2: Site Map with Groundwater Bore



Appendix A

Initial C-141 and Spill Calculation

Raley A #1 (nAPP2531648708) – Release Volume Justification

Volume of release was determined by the initial load volume (50 bbls) of the hot oil truck from which the release derived and the volume of fluid that was able to be recovered (21 bbls) from the hot oil truck. A total of twenty-nine (29) bbls of crude oil was released onto the pad.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 529585

QUESTIONS

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 529585
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2531648708
Incident Name	NAPP2531648708 RALEY A #1 @ 30-025-27704
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-27704] RALEY A #001

Location of Release Source*Please answer all the questions in this group.*

Site Name	Raley A #1
Date Release Discovered	11/11/2025
Surface Owner	Private

Incident Details*Please answer all the questions in this group.*

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	Yes
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Fire Other (Specify) Crude Oil Released: 29 BBL Recovered: 0 BBL Lost: 29 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Ben's Hot Oil Service loaded 50 bbls oil and rigged up on the 1

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 529585

QUESTIONS (continued)

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 529585
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Maria Roman Title: Administrative Assistant Email: rawoilandgas@raw-energy.net Date: 11/24/2025
--	--

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Phone: (505) 629-6116

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 529585

QUESTIONS (continued)

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 529585
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 529585

CONDITIONS

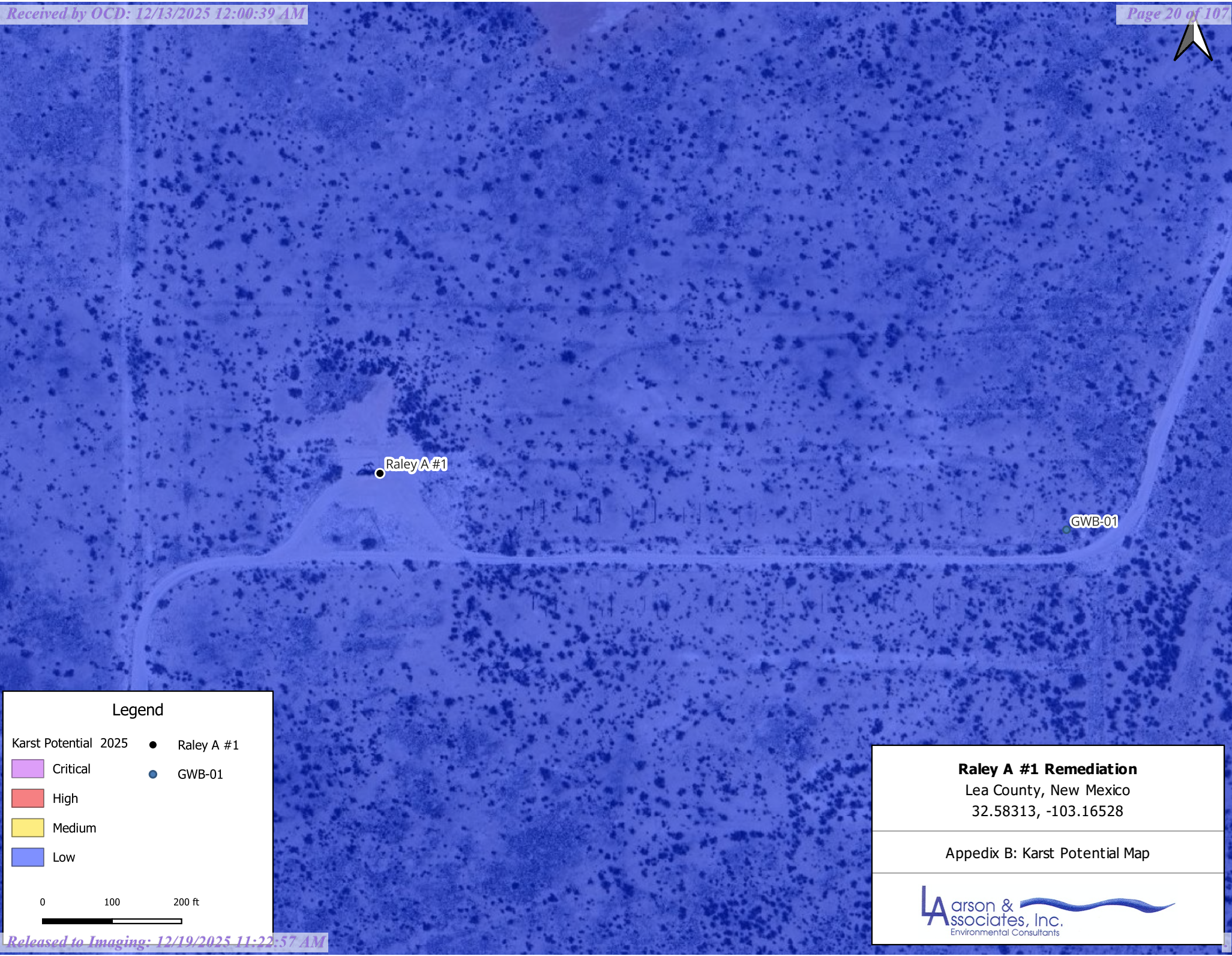
Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 529585
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Initial C141 is approved. Remediation closure, site characterization OR a remediation work plan is due to the OCD no later than 90-days after the discovery of the release. Submit to OCD no later than 02/16/2026.	11/26/2025

Appendix B

Karst Potential Map



Legend

Karst Potential 2025

- Critical
- High
- Medium
- Low

● Raley A #1

● GWB-01

0 100 200 ft

Raley A #1 Remediation
Lea County, New Mexico
32.58313, -103.16528

Appendix B: Karst Potential Map

Larson &
ssociates, Inc.
Environmental Consultants

Appendix C

Boring Log

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 10:12 Finish: 11:19 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS	
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING
					2	4	6	8	10	12	14	16	18						
	0	Sand, 10YR 8/5, Very Pale Brown, Fine Grained Quartz Sand, Moderately Sorted with 0.5-1mm Clasts	SW																
	5	Caliche, 7.5YR 7/3, Pink, Moderately Sorted with 1-2mm Clasts																	5
	10																		10
	15																		15
	20		Caliche																20
	25																		25
	30																		30
	35																		35
	40	Sand, 7.5YR 7/3, Pink, Fine Grained Quartz Sand, Moderately Sorted, 0.5-1mm Clasts																	40
	45																		45
	50		SW																50
	55	Increase in Sorting to Well Sorted @ 60' and Change in Color to 7.5YR 6/3, Light Brown																	55
	60	TD: 60' Dry After 72 Hours																	60

☐ ONE CONTINUOUS AUGER SAMPLER

WATER TABLE (TIME OF BORING)

☐ STANDARD PENETRATION TEST

LABORATORY TEST LOCATION

☐ UNDISTURBED SAMPLE

PENETROMETER (TONS/ SQ. FT)

WATER TABLE (24 HRS)

NO RECOVERY

JOB NUMBER : Raw Oil & Gas/ 21-0107-01HOLE DIAMETER : 5"LOCATION : Pewitt No.1/ Raley A No.1LAI GEOLOGIST : R. NelsonDRILLING CONTRACTOR : SDIDRILLING METHOD : Air Rotary

DRILL DATE :
09/13/2021BORING NUMBER :
GWB-1

Appendix D

Laboratory Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brenda Balbino
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 11/24/2025 2:23:21 PM

JOB DESCRIPTION

Raley A #1
25-0124-01

JOB NUMBER

880-65043-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



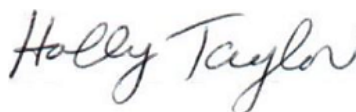
Eurofins Midland

Job Notes

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

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

Authorization



Generated
11/24/2025 2:23:21 PM

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

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Laboratory Job ID: 880-65043-1
SDG: 25-0124-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project: Raley A #1

Job ID: 880-65043-1

Job ID: 880-65043-1

Eurofins Midland

Job Narrative
880-65043-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/14/2025 3:21 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-124294 and 880-124400 and analytical batch 880-124615 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-124615/20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124400 and analytical batch 880-124615 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-124277 and analytical batch 880-124273 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-124277/2-A), (LCSD 880-124277/3-A) and (MB 880-124277/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 1' (880-65043-1), S-2 2' (880-65043-4), S-3 1' (880-65043-5), S-3 2' (880-65043-6), S-4 1' (880-65043-7), S-4 2' (880-65043-8), S-5 1' (880-65043-9), S-5 2' (880-65043-10), S-6 2' (880-65043-12), S-7 1' (880-65043-13), S-8 1' (880-65043-15), 9 0-0.5' (880-65043-17) and S-10 0-0.5' (880-65043-18). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-124128 and analytical batch 880-124379 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-124379 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-124379/47).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-124128/2-A) and (LCSD 880-124128/3-A). Evidence of matrix interferences is not obvious.

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Case Narrative

Client: Larson & Associates, Inc.
Project: Raley A #1

Job ID: 880-65043-1

Job ID: 880-65043-1 (Continued) Eurofins Midland

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

HPLC/IC

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

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-1 1'

Lab Sample ID: 880-65043-1

Date Collected: 11/14/25 10:05

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200	mg/Kg		11/19/25 10:21	11/22/25 01:17	1
Toluene	<0.00200	U F1	0.00200	mg/Kg		11/19/25 10:21	11/22/25 01:17	1
Ethylbenzene	<0.00200	U F2 F1	0.00200	mg/Kg		11/19/25 10:21	11/22/25 01:17	1
m,p-Xylenes	<0.00399	U F1	0.00399	mg/Kg		11/19/25 10:21	11/22/25 01:17	1
o-Xylene	<0.00200	U F1	0.00200	mg/Kg		11/19/25 10:21	11/22/25 01:17	1
Xylenes, Total	<0.00399	U F1	0.00399	mg/Kg		11/19/25 10:21	11/22/25 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	11/19/25 10:21	11/22/25 01:17	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/19/25 10:21	11/22/25 01:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			11/18/25 21:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		11/18/25 08:36	11/18/25 21:25	1
Diesel Range Organics (Over C10-C28)	<50.3	U *+ *1	50.3	mg/Kg		11/18/25 08:36	11/18/25 21:25	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		11/18/25 08:36	11/18/25 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	132	S1+	70 - 130	11/18/25 08:36	11/18/25 21:25	1
o-Terphenyl (Surr)	136	S1+	70 - 130	11/18/25 08:36	11/18/25 21:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		9.96	mg/Kg			11/18/25 22:19	1

Client Sample ID: S-1 2'

Lab Sample ID: 880-65043-2

Date Collected: 11/14/25 10:09

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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		11/19/25 10:21	11/22/25 01:38	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 01:38	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 01:38	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/19/25 10:21	11/22/25 01:38	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 01:38	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 10:21	11/22/25 01:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/19/25 10:21	11/22/25 01:38	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/19/25 10:21	11/22/25 01:38	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-1 2'

Lab Sample ID: 880-65043-2

Date Collected: 11/14/25 10:09

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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			11/18/25 21:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/18/25 21:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		11/18/25 08:36	11/18/25 21:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/18/25 21:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	104		70 - 130			11/18/25 08:36	11/18/25 21:44	1
o-Terphenyl (Surr)	125		70 - 130			11/18/25 08:36	11/18/25 21:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		9.92	mg/Kg			11/18/25 22:35	1

Client Sample ID: S-2 1'

Lab Sample ID: 880-65043-3

Date Collected: 11/14/25 10:17

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

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		11/19/25 10:21	11/22/25 01:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 01:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 01:58	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/19/25 10:21	11/22/25 01:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 01:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 10:21	11/22/25 01:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			11/19/25 10:21	11/22/25 01:58	1
1,4-Difluorobenzene (Surr)	96		70 - 130			11/19/25 10:21	11/22/25 01:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			11/18/25 22:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		11/18/25 08:36	11/18/25 22:05	1
Diesel Range Organics (Over C10-C28)	<49.6	U *+ *1	49.6	mg/Kg		11/18/25 08:36	11/18/25 22:05	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		11/18/25 08:36	11/18/25 22:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			11/18/25 08:36	11/18/25 22:05	1
o-Terphenyl (Surr)	124		70 - 130			11/18/25 08:36	11/18/25 22:05	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-2 1'

Lab Sample ID: 880-65043-3

Date Collected: 11/14/25 10:17

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94	mg/Kg			11/18/25 22:40	1

Client Sample ID: S-2 2'

Lab Sample ID: 880-65043-4

Date Collected: 11/14/25 10:21

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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		11/19/25 10:21	11/22/25 02:19	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:21	11/22/25 02:19	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:21	11/22/25 02:19	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		11/19/25 10:21	11/22/25 02:19	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:21	11/22/25 02:19	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/19/25 10:21	11/22/25 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			11/19/25 10:21	11/22/25 02:19	1
1,4-Difluorobenzene (Surr)	96		70 - 130			11/19/25 10:21	11/22/25 02:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			11/18/25 22:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		11/18/25 08:36	11/18/25 22:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U ** *1	49.6	mg/Kg		11/18/25 08:36	11/18/25 22:24	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		11/18/25 08:36	11/18/25 22:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			11/18/25 08:36	11/18/25 22:24	1
o-Terphenyl (Surr)	133	S1+	70 - 130			11/18/25 08:36	11/18/25 22:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92	mg/Kg			11/18/25 22:45	1

Client Sample ID: S-3 1'

Lab Sample ID: 880-65043-5

Date Collected: 11/14/25 10:26

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

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		11/19/25 10:21	11/22/25 02:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 02:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 02:39	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/19/25 10:21	11/22/25 02:39	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-3 1'

Lab Sample ID: 880-65043-5

Date Collected: 11/14/25 10:26

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 02:39	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/19/25 10:21	11/22/25 02:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			11/19/25 10:21	11/22/25 02:39	1
1,4-Difluorobenzene (Surr)	94		70 - 130			11/19/25 10:21	11/22/25 02:39	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			11/18/25 22:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/18/25 22:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		11/18/25 08:36	11/18/25 22:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/18/25 22:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			11/18/25 08:36	11/18/25 22:43	1
o-Terphenyl (Surr)	134	S1+	70 - 130			11/18/25 08:36	11/18/25 22:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			11/18/25 22:50	1

Client Sample ID: S-3 2'

Lab Sample ID: 880-65043-6

Date Collected: 11/14/25 10:31

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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		11/19/25 10:21	11/22/25 03:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 03:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 03:00	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/19/25 10:21	11/22/25 03:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 03:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 10:21	11/22/25 03:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			11/19/25 10:21	11/22/25 03:00	1
1,4-Difluorobenzene (Surr)	111		70 - 130			11/19/25 10:21	11/22/25 03:00	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			11/18/25 23:04	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-3 2'

Lab Sample ID: 880-65043-6

Date Collected: 11/14/25 10:31

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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		11/18/25 08:36	11/18/25 23:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8	mg/Kg		11/18/25 08:36	11/18/25 23:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/18/25 08:36	11/18/25 23:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	124		70 - 130			11/18/25 08:36	11/18/25 23:04	1
o-Terphenyl (Surr)	139	S1+	70 - 130			11/18/25 08:36	11/18/25 23:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98	mg/Kg			11/18/25 23:06	1

Client Sample ID: S-4 1'

Lab Sample ID: 880-65043-7

Date Collected: 11/14/25 10:33

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

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		11/19/25 10:21	11/22/25 03:20	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:21	11/22/25 03:20	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:21	11/22/25 03:20	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		11/19/25 10:21	11/22/25 03:20	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:21	11/22/25 03:20	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/19/25 10:21	11/22/25 03:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			11/19/25 10:21	11/22/25 03:20	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/19/25 10:21	11/22/25 03:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			11/18/25 23:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		11/18/25 08:36	11/18/25 23:22	1
Diesel Range Organics (Over C10-C28)	<50.4	U *+ *1	50.4	mg/Kg		11/18/25 08:36	11/18/25 23:22	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		11/18/25 08:36	11/18/25 23:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	137	S1+	70 - 130			11/18/25 08:36	11/18/25 23:22	1
o-Terphenyl (Surr)	148	S1+	70 - 130			11/18/25 08:36	11/18/25 23:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94	mg/Kg			11/18/25 23:11	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-4 2'

Lab Sample ID: 880-65043-8

Date Collected: 11/14/25 10:39

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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		11/19/25 10:21	11/22/25 03:40	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 03:40	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 03:40	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/19/25 10:21	11/22/25 03:40	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 03:40	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 10:21	11/22/25 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/19/25 10:21	11/22/25 03:40	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/19/25 10:21	11/22/25 03:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			11/18/25 23:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		11/18/25 08:36	11/18/25 23:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U *+ *1	50.1	mg/Kg		11/18/25 08:36	11/18/25 23:41	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		11/18/25 08:36	11/18/25 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130	11/18/25 08:36	11/18/25 23:41	1
o-Terphenyl (Surr)	149	S1+	70 - 130	11/18/25 08:36	11/18/25 23:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92	mg/Kg			11/18/25 23:17	1

Client Sample ID: S-5 1'

Lab Sample ID: 880-65043-9

Date Collected: 11/14/25 10:48

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

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		11/19/25 10:21	11/22/25 04:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 04:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 04:01	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/19/25 10:21	11/22/25 04:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 04:01	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/19/25 10:21	11/22/25 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	11/19/25 10:21	11/22/25 04:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/19/25 10:21	11/22/25 04:01	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-5 1'

Lab Sample ID: 880-65043-9

Date Collected: 11/14/25 10:48

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 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			11/19/25 00:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/19/25 00:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		11/18/25 08:36	11/19/25 00:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/19/25 00:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	167	S1+	70 - 130			11/18/25 08:36	11/19/25 00:21	1
o-Terphenyl (Surr)	174	S1+	70 - 130			11/18/25 08:36	11/19/25 00:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		9.94	mg/Kg			11/18/25 23:22	1

Client Sample ID: S-5 2'

Lab Sample ID: 880-65043-10

Date Collected: 11/14/25 10:52

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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		11/19/25 10:21	11/22/25 04:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 04:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 04:21	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/19/25 10:21	11/22/25 04:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 04:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/19/25 10:21	11/22/25 04:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			11/19/25 10:21	11/22/25 04:21	1
1,4-Difluorobenzene (Surr)	98		70 - 130			11/19/25 10:21	11/22/25 04:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			11/19/25 00:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		11/18/25 08:36	11/19/25 00:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	49.7	mg/Kg		11/18/25 08:36	11/19/25 00:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		11/18/25 08:36	11/19/25 00:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130			11/18/25 08:36	11/19/25 00:40	1
o-Terphenyl (Surr)	137	S1+	70 - 130			11/18/25 08:36	11/19/25 00:40	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-5 2'

Lab Sample ID: 880-65043-10

Date Collected: 11/14/25 10:52

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		10.0	mg/Kg			11/18/25 23:27	1

Client Sample ID: S-6 1'

Lab Sample ID: 880-65043-11

Date Collected: 11/14/25 10:41

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

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		11/19/25 10:21	11/22/25 06:11	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 06:11	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 06:11	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/19/25 10:21	11/22/25 06:11	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 06:11	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 10:21	11/22/25 06:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			11/19/25 10:21	11/22/25 06:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130			11/19/25 10:21	11/22/25 06:11	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			11/19/25 01:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/18/25 08:36	11/19/25 01:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8	mg/Kg		11/18/25 08:36	11/19/25 01:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/18/25 08:36	11/19/25 01:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130			11/18/25 08:36	11/19/25 01:01	1
o-Terphenyl (Surr)	118		70 - 130			11/18/25 08:36	11/19/25 01:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.0		9.96	mg/Kg			11/18/25 23:32	1

Client Sample ID: S-6 2'

Lab Sample ID: 880-65043-12

Date Collected: 11/14/25 10:43

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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		11/19/25 10:21	11/22/25 06:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:21	11/22/25 06:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:21	11/22/25 06:32	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		11/19/25 10:21	11/22/25 06:32	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-6 2'

Lab Sample ID: 880-65043-12

Date Collected: 11/14/25 10:43

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:21	11/22/25 06:32	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		11/19/25 10:21	11/22/25 06:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			11/19/25 10:21	11/22/25 06:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130			11/19/25 10:21	11/22/25 06:32	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			11/19/25 01:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/19/25 01:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		11/18/25 08:36	11/19/25 01:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/19/25 01:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130			11/18/25 08:36	11/19/25 01:20	1
o-Terphenyl (Surr)	136	S1+	70 - 130			11/18/25 08:36	11/19/25 01:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		9.98	mg/Kg			11/18/25 23:48	1

Client Sample ID: S-7 1'

Lab Sample ID: 880-65043-13

Date Collected: 11/14/25 10:37

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

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		11/19/25 10:21	11/22/25 06:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 06:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 06:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/19/25 10:21	11/22/25 06:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 06:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 10:21	11/22/25 06:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			11/19/25 10:21	11/22/25 06:52	1
1,4-Difluorobenzene (Surr)	101		70 - 130			11/19/25 10:21	11/22/25 06:52	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			11/19/25 01:39	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-7 1'

Lab Sample ID: 880-65043-13

Date Collected: 11/14/25 10:37

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 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		11/18/25 08:36	11/19/25 01:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		11/18/25 08:36	11/19/25 01:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/19/25 01:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	114		70 - 130			11/18/25 08:36	11/19/25 01:39	1
o-Terphenyl (Surr)	132	S1+	70 - 130			11/18/25 08:36	11/19/25 01:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	628		50.2	mg/Kg			11/18/25 23:53	5

Client Sample ID: S-7 2'

Lab Sample ID: 880-65043-14

Date Collected: 11/14/25 10:39

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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		11/19/25 10:21	11/22/25 07:13	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:21	11/22/25 07:13	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:21	11/22/25 07:13	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		11/19/25 10:21	11/22/25 07:13	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:21	11/22/25 07:13	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/19/25 10:21	11/22/25 07:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			11/19/25 10:21	11/22/25 07:13	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/19/25 10:21	11/22/25 07:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			11/19/25 02:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		11/18/25 08:36	11/19/25 02:00	1
Diesel Range Organics (Over C10-C28)	<49.6	U *+ *1	49.6	mg/Kg		11/18/25 08:36	11/19/25 02:00	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		11/18/25 08:36	11/19/25 02:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			11/18/25 08:36	11/19/25 02:00	1
o-Terphenyl (Surr)	130		70 - 130			11/18/25 08:36	11/19/25 02:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1530		50.4	mg/Kg			11/19/25 00:09	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-8 1'

Lab Sample ID: 880-65043-15

Date Collected: 11/14/25 10:31

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 1'

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		11/19/25 10:21	11/22/25 07:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 07:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 07:33	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/19/25 10:21	11/22/25 07:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 07:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/19/25 10:21	11/22/25 07:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	11/19/25 10:21	11/22/25 07:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/19/25 10:21	11/22/25 07:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			11/19/25 02:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		11/18/25 08:36	11/19/25 02:19	1
Diesel Range Organics (Over C10-C28)	<50.2	U *+ *1	50.2	mg/Kg		11/18/25 08:36	11/19/25 02:19	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		11/18/25 08:36	11/19/25 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130	11/18/25 08:36	11/19/25 02:19	1
o-Terphenyl (Surr)	142	S1+	70 - 130	11/18/25 08:36	11/19/25 02:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		49.7	mg/Kg			11/19/25 00:14	5

Client Sample ID: S-8 2'

Lab Sample ID: 880-65043-16

Date Collected: 11/14/25 10:33

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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		11/19/25 10:21	11/22/25 07:53	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 07:53	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 07:53	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/19/25 10:21	11/22/25 07:53	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		11/19/25 10:21	11/22/25 07:53	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/19/25 10:21	11/22/25 07:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/19/25 10:21	11/22/25 07:53	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/19/25 10:21	11/22/25 07:53	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-8 2'

Lab Sample ID: 880-65043-16

Date Collected: 11/14/25 10:33

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 2'

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			11/19/25 02:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/18/25 08:36	11/19/25 02:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8	mg/Kg		11/18/25 08:36	11/19/25 02:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/18/25 08:36	11/19/25 02:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130			11/18/25 08:36	11/19/25 02:38	1
o-Terphenyl (Surr)	125		70 - 130			11/18/25 08:36	11/19/25 02:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2020		49.9	mg/Kg			11/19/25 00:19	5

Client Sample ID: 9 0-0.5'

Lab Sample ID: 880-65043-17

Date Collected: 11/14/25 09:37

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 0 - 0.5'

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		11/19/25 10:21	11/22/25 08:14	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:21	11/22/25 08:14	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:21	11/22/25 08:14	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		11/19/25 10:21	11/22/25 08:14	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/19/25 10:21	11/22/25 08:14	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		11/19/25 10:21	11/22/25 08:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			11/19/25 10:21	11/22/25 08:14	1
1,4-Difluorobenzene (Surr)	104		70 - 130			11/19/25 10:21	11/22/25 08:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			11/19/25 02:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		11/18/25 08:36	11/19/25 02:59	1
Diesel Range Organics (Over C10-C28)	<50.4	U *+ *1	50.4	mg/Kg		11/18/25 08:36	11/19/25 02:59	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		11/18/25 08:36	11/19/25 02:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130			11/18/25 08:36	11/19/25 02:59	1
o-Terphenyl (Surr)	137	S1+	70 - 130			11/18/25 08:36	11/19/25 02:59	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: 9 0-0.5'

Lab Sample ID: 880-65043-17

Date Collected: 11/14/25 09:37

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 0 - 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.1		10.1	mg/Kg			11/19/25 00:25	1

Client Sample ID: S-10 0-0.5'

Lab Sample ID: 880-65043-18

Date Collected: 11/14/25 09:42

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 0 - 0.5'

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		11/19/25 10:21	11/22/25 08:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 08:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 08:34	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/19/25 10:21	11/22/25 08:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/19/25 10:21	11/22/25 08:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/19/25 10:21	11/22/25 08:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			11/19/25 10:21	11/22/25 08:34	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/19/25 10:21	11/22/25 08:34	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			11/19/25 03:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/19/25 03:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0	mg/Kg		11/18/25 08:36	11/19/25 03:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/19/25 03:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			11/18/25 08:36	11/19/25 03:18	1
o-Terphenyl (Surr)	133	S1+	70 - 130			11/18/25 08:36	11/19/25 03:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			11/19/25 00:30	1

Client Sample ID: S-11 0-0.5'

Lab Sample ID: 880-65043-19

Date Collected: 11/14/25 09:20

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 0 - 0.5'

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		11/19/25 10:21	11/22/25 08:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 08:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 08:55	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/19/25 10:21	11/22/25 08:55	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-11 0-0.5'

Lab Sample ID: 880-65043-19

Date Collected: 11/14/25 09:20

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 0 - 0.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 08:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/19/25 10:21	11/22/25 08:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			11/19/25 10:21	11/22/25 08:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/19/25 10:21	11/22/25 08:55	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			11/19/25 22:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0	mg/Kg		11/16/25 15:40	11/19/25 22:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0	mg/Kg		11/16/25 15:40	11/19/25 22:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/25 15:40	11/19/25 22:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			11/16/25 15:40	11/19/25 22:14	1
o-Terphenyl (Surr)	121		70 - 130			11/16/25 15:40	11/19/25 22:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98	mg/Kg			11/19/25 00:35	1

Client Sample ID: S-12 0-0.5'

Lab Sample ID: 880-65043-20

Date Collected: 11/14/25 09:30

Matrix: Solid

Date Received: 11/14/25 15:21

Sample Depth: 0 - 0.5'

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		11/19/25 10:21	11/22/25 09:15	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:21	11/22/25 09:15	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:21	11/22/25 09:15	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		11/19/25 10:21	11/22/25 09:15	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/19/25 10:21	11/22/25 09:15	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/19/25 10:21	11/22/25 09:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			11/19/25 10:21	11/22/25 09:15	1
1,4-Difluorobenzene (Surr)	107		70 - 130			11/19/25 10:21	11/22/25 09:15	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			11/19/25 22:33	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-12 0-0.5'
Date Collected: 11/14/25 09:30
Date Received: 11/14/25 15:21
Sample Depth: 0 - 0.5'

Lab Sample ID: 880-65043-20
Matrix: Solid

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 *1	49.9	mg/Kg		11/16/25 15:40	11/19/25 22:33	1	
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9	mg/Kg		11/16/25 15:40	11/19/25 22:33	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/16/25 15:40	11/19/25 22:33	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	114		70 - 130			11/16/25 15:40	11/19/25 22:33	1	
o-Terphenyl (Surr)	125		70 - 130			11/16/25 15:40	11/19/25 22:33	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<9.96	U	9.96	mg/Kg			11/19/25 00:40	1	

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-65043-1	S-1 1'	78	93
880-65043-1 MS	S-1 1'	97	93
880-65043-1 MSD	S-1 1'	94	89
880-65043-2	S-1 2'	93	99
880-65043-3	S-2 1'	106	96
880-65043-4	S-2 2'	104	96
880-65043-5	S-3 1'	114	94
880-65043-6	S-3 2'	116	111
880-65043-7	S-4 1'	111	102
880-65043-8	S-4 2'	114	100
880-65043-9	S-5 1'	123	99
880-65043-10	S-5 2'	112	98
880-65043-11	S-6 1'	87	100
880-65043-12	S-6 2'	98	97
880-65043-13	S-7 1'	106	101
880-65043-14	S-7 2'	115	102
880-65043-15	S-8 1'	116	103
880-65043-16	S-8 2'	117	105
880-65043-17	9 0-0.5'	117	104
880-65043-18	S-10 0-0.5'	116	102
880-65043-19	S-11 0-0.5'	118	102
880-65043-20	S-12 0-0.5'	120	107
LCS 880-124400/1-A	Lab Control Sample	108	85
LCSD 880-124400/2-A	Lab Control Sample Dup	107	93
MB 880-124294/5-A	Method Blank	217 S1+	120
MB 880-124400/5-A	Method Blank	142 S1+	80
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-65043-1	S-1 1'	132 S1+	136 S1+
880-65043-2	S-1 2'	104	125
880-65043-3	S-2 1'	109	124
880-65043-4	S-2 2'	121	133 S1+
880-65043-5	S-3 1'	115	134 S1+
880-65043-6	S-3 2'	124	139 S1+
880-65043-7	S-4 1'	137 S1+	148 S1+
880-65043-8	S-4 2'	131 S1+	149 S1+
880-65043-9	S-5 1'	167 S1+	174 S1+
880-65043-10	S-5 2'	131 S1+	137 S1+
880-65043-11	S-6 1'	107	118
880-65043-12	S-6 2'	135 S1+	136 S1+
880-65043-13	S-7 1'	114	132 S1+

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-65043-14	S-7 2'	115	130
880-65043-15	S-8 1'	127	142 S1+
880-65043-16	S-8 2'	115	125
880-65043-17	9 0-0.5'	127	137 S1+
880-65043-18	S-10 0-0.5'	111	133 S1+
880-65043-19	S-11 0-0.5'	113	121
880-65043-20	S-12 0-0.5'	114	125
LCS 880-124128/2-A	Lab Control Sample	168 S1+	167 S1+
LCS 880-124277/2-A	Lab Control Sample	145 S1+	144 S1+
LCSD 880-124128/3-A	Lab Control Sample Dup	136 S1+	128
LCSD 880-124277/3-A	Lab Control Sample Dup	169 S1+	189 S1+
MB 880-124128/1-A	Method Blank	110	113
MB 880-124277/1-A	Method Blank	141 S1+	176 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-124294/5-A

Matrix: Solid

Analysis Batch: 124615

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124294

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:52	11/21/25 13:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:52	11/21/25 13:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:52	11/21/25 13:12	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/18/25 09:52	11/21/25 13:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/18/25 09:52	11/21/25 13:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/18/25 09:52	11/21/25 13:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	217	S1+	70 - 130	11/18/25 09:52	11/21/25 13:12	1
1,4-Difluorobenzene (Surr)	120		70 - 130	11/18/25 09:52	11/21/25 13:12	1

Lab Sample ID: MB 880-124400/5-A

Matrix: Solid

Analysis Batch: 124615

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124400

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 00:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 00:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 00:49	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/19/25 10:21	11/22/25 00:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/19/25 10:21	11/22/25 00:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/19/25 10:21	11/22/25 00:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	11/19/25 10:21	11/22/25 00:49	1
1,4-Difluorobenzene (Surr)	80		70 - 130	11/19/25 10:21	11/22/25 00:49	1

Lab Sample ID: LCS 880-124400/1-A

Matrix: Solid

Analysis Batch: 124615

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09069		mg/Kg		91	70 - 130
Toluene	0.100	0.09464		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1155		mg/Kg		115	70 - 130
m,p-Xylenes	0.200	0.1881		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09169		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: LCSD 880-124400/2-A

Matrix: Solid

Analysis Batch: 124615

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124400

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09223		mg/Kg		92	70 - 130	2	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

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

Lab Sample ID: LCSD 880-124400/2-A

Matrix: Solid

Analysis Batch: 124615

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124400

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.09591		mg/Kg		96	70 - 130	1		35
Ethylbenzene	0.100	0.09567		mg/Kg		96	70 - 130	19		35
m,p-Xylenes	0.200	0.1670		mg/Kg		83	70 - 130	12		35
o-Xylene	0.100	0.09632		mg/Kg		96	70 - 130	5		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-65043-1 MS

Matrix: Solid

Analysis Batch: 124615

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 124400

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00200	U F1	0.100	0.06181	F1	mg/Kg		62	70 - 130	
Toluene	<0.00200	U F1	0.100	0.06065	F1	mg/Kg		61	70 - 130	
Ethylbenzene	<0.00200	U F2 F1	0.100	0.05481	F1	mg/Kg		55	70 - 130	
m,p-Xylenes	<0.00399	U F1	0.200	0.1042	F1	mg/Kg		52	70 - 130	
o-Xylene	<0.00200	U F1	0.100	0.05908	F1	mg/Kg		59	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-65043-1 MSD

Matrix: Solid

Analysis Batch: 124615

Client Sample ID: S-1 1'

Prep Type: Total/NA

Prep Batch: 124400

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00200	U F1	0.100	0.08172		mg/Kg		82	70 - 130	28		35
Toluene	<0.00200	U F1	0.100	0.07875		mg/Kg		79	70 - 130	26		35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.07950	F2	mg/Kg		79	70 - 130	37		35
m,p-Xylenes	<0.00399	U F1	0.200	0.1376	F1	mg/Kg		69	70 - 130	28		35
o-Xylene	<0.00200	U F1	0.100	0.07285		mg/Kg		73	70 - 130	21		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-124128/1-A

Matrix: Solid

Analysis Batch: 124379

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124128

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/16/25 15:40	11/19/25 19:20	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

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

Lab Sample ID: MB 880-124128/1-A

Matrix: Solid

Analysis Batch: 124379

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124128

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/16/25 15:40	11/19/25 19:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/16/25 15:40	11/19/25 19:20	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane (Surr)	110		70 - 130			11/16/25 15:40	11/19/25 19:20	1
o-Terphenyl (Surr)	113		70 - 130			11/16/25 15:40	11/19/25 19:20	1

Lab Sample ID: LCS 880-124128/2-A

Matrix: Solid

Analysis Batch: 124379

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1120		mg/Kg		112	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1358	*+	mg/Kg		136	70 - 130	
Surrogate	LCS	LCS	Limits					
	%Recovery	Qualifier						
1-Chlorooctane (Surr)	168	S1+	70 - 130					
o-Terphenyl (Surr)	167	S1+	70 - 130					

Lab Sample ID: LCSD 880-124128/3-A

Matrix: Solid

Analysis Batch: 124379

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124128

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	886.9	*1	mg/Kg		89	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	1000	1052	*1	mg/Kg		105	70 - 130	25	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	136	S1+	70 - 130						
o-Terphenyl (Surr)	128		70 - 130						

Lab Sample ID: MB 880-124277/1-A

Matrix: Solid

Analysis Batch: 124273

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124277

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/18/25 19:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/18/25 19:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/18/25 08:36	11/18/25 19:10	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane (Surr)	141	S1+	70 - 130			11/18/25 08:36	11/18/25 19:10	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

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

Lab Sample ID: MB 880-124277/1-A

Matrix: Solid

Analysis Batch: 124273

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124277

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>o</i> -Terphenyl (Surr)	176	S1+	70 - 130	11/18/25 08:36	11/18/25 19:10	1

Lab Sample ID: LCS 880-124277/2-A

Matrix: Solid

Analysis Batch: 124273

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	955.2		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1106		mg/Kg		111	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	145	S1+	70 - 130
<i>o</i> -Terphenyl (Surr)	144	S1+	70 - 130

Lab Sample ID: LCSD 880-124277/3-A

Matrix: Solid

Analysis Batch: 124273

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124277

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1102		mg/Kg		110	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	1408	*+ *1	mg/Kg		141	70 - 130	24	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	169	S1+	70 - 130
<i>o</i> -Terphenyl (Surr)	189	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124249/1-A

Matrix: Solid

Analysis Batch: 124334

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<10.0	U	10.0	mg/Kg			11/18/25 22:03	1

Lab Sample ID: LCS 880-124249/2-A

Matrix: Solid

Analysis Batch: 124334

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.8		mg/Kg		96	90 - 110

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-124249/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 124334											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	241.8		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-65043-1 MS				Client Sample ID: S-1 1'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 124334											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	132		249	395.6		mg/Kg		106	90 - 110		

Lab Sample ID: 880-65043-1 MSD				Client Sample ID: S-1 1'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 124334											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	132		249	397.4		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-65043-11 MS				Client Sample ID: S-6 1'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 124334											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	41.0		249	288.9		mg/Kg		100	90 - 110		

Lab Sample ID: 880-65043-11 MSD				Client Sample ID: S-6 1'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 124334											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	41.0		249	285.4		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

GC VOA

Prep Batch: 124294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-124294/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 124400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-1	S-1 1'	Total/NA	Solid	5035	
880-65043-2	S-1 2'	Total/NA	Solid	5035	
880-65043-3	S-2 1'	Total/NA	Solid	5035	
880-65043-4	S-2 2'	Total/NA	Solid	5035	
880-65043-5	S-3 1'	Total/NA	Solid	5035	
880-65043-6	S-3 2'	Total/NA	Solid	5035	
880-65043-7	S-4 1'	Total/NA	Solid	5035	
880-65043-8	S-4 2'	Total/NA	Solid	5035	
880-65043-9	S-5 1'	Total/NA	Solid	5035	
880-65043-10	S-5 2'	Total/NA	Solid	5035	
880-65043-11	S-6 1'	Total/NA	Solid	5035	
880-65043-12	S-6 2'	Total/NA	Solid	5035	
880-65043-13	S-7 1'	Total/NA	Solid	5035	
880-65043-14	S-7 2'	Total/NA	Solid	5035	
880-65043-15	S-8 1'	Total/NA	Solid	5035	
880-65043-16	S-8 2'	Total/NA	Solid	5035	
880-65043-17	9 0-0.5'	Total/NA	Solid	5035	
880-65043-18	S-10 0-0.5'	Total/NA	Solid	5035	
880-65043-19	S-11 0-0.5'	Total/NA	Solid	5035	
880-65043-20	S-12 0-0.5'	Total/NA	Solid	5035	
MB 880-124400/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124400/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124400/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65043-1 MS	S-1 1'	Total/NA	Solid	5035	
880-65043-1 MSD	S-1 1'	Total/NA	Solid	5035	

Analysis Batch: 124615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-1	S-1 1'	Total/NA	Solid	8021B	124400
880-65043-2	S-1 2'	Total/NA	Solid	8021B	124400
880-65043-3	S-2 1'	Total/NA	Solid	8021B	124400
880-65043-4	S-2 2'	Total/NA	Solid	8021B	124400
880-65043-5	S-3 1'	Total/NA	Solid	8021B	124400
880-65043-6	S-3 2'	Total/NA	Solid	8021B	124400
880-65043-7	S-4 1'	Total/NA	Solid	8021B	124400
880-65043-8	S-4 2'	Total/NA	Solid	8021B	124400
880-65043-9	S-5 1'	Total/NA	Solid	8021B	124400
880-65043-10	S-5 2'	Total/NA	Solid	8021B	124400
880-65043-11	S-6 1'	Total/NA	Solid	8021B	124400
880-65043-12	S-6 2'	Total/NA	Solid	8021B	124400
880-65043-13	S-7 1'	Total/NA	Solid	8021B	124400
880-65043-14	S-7 2'	Total/NA	Solid	8021B	124400
880-65043-15	S-8 1'	Total/NA	Solid	8021B	124400
880-65043-16	S-8 2'	Total/NA	Solid	8021B	124400
880-65043-17	9 0-0.5'	Total/NA	Solid	8021B	124400
880-65043-18	S-10 0-0.5'	Total/NA	Solid	8021B	124400
880-65043-19	S-11 0-0.5'	Total/NA	Solid	8021B	124400

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

GC VOA (Continued)

Analysis Batch: 124615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-20	S-12 0-0.5'	Total/NA	Solid	8021B	124400
MB 880-124294/5-A	Method Blank	Total/NA	Solid	8021B	124294
MB 880-124400/5-A	Method Blank	Total/NA	Solid	8021B	124400
LCS 880-124400/1-A	Lab Control Sample	Total/NA	Solid	8021B	124400
LCSD 880-124400/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124400
880-65043-1 MS	S-1 1'	Total/NA	Solid	8021B	124400
880-65043-1 MSD	S-1 1'	Total/NA	Solid	8021B	124400

GC Semi VOA

Prep Batch: 124128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-19	S-11 0-0.5'	Total/NA	Solid	8015NM Prep	
880-65043-20	S-12 0-0.5'	Total/NA	Solid	8015NM Prep	
MB 880-124128/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124128/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124128/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-1	S-1 1'	Total/NA	Solid	8015B NM	124277
880-65043-2	S-1 2'	Total/NA	Solid	8015B NM	124277
880-65043-3	S-2 1'	Total/NA	Solid	8015B NM	124277
880-65043-4	S-2 2'	Total/NA	Solid	8015B NM	124277
880-65043-5	S-3 1'	Total/NA	Solid	8015B NM	124277
880-65043-6	S-3 2'	Total/NA	Solid	8015B NM	124277
880-65043-7	S-4 1'	Total/NA	Solid	8015B NM	124277
880-65043-8	S-4 2'	Total/NA	Solid	8015B NM	124277
880-65043-9	S-5 1'	Total/NA	Solid	8015B NM	124277
880-65043-10	S-5 2'	Total/NA	Solid	8015B NM	124277
880-65043-11	S-6 1'	Total/NA	Solid	8015B NM	124277
880-65043-12	S-6 2'	Total/NA	Solid	8015B NM	124277
880-65043-13	S-7 1'	Total/NA	Solid	8015B NM	124277
880-65043-14	S-7 2'	Total/NA	Solid	8015B NM	124277
880-65043-15	S-8 1'	Total/NA	Solid	8015B NM	124277
880-65043-16	S-8 2'	Total/NA	Solid	8015B NM	124277
880-65043-17	9 0-0.5'	Total/NA	Solid	8015B NM	124277
880-65043-18	S-10 0-0.5'	Total/NA	Solid	8015B NM	124277
MB 880-124277/1-A	Method Blank	Total/NA	Solid	8015B NM	124277
LCS 880-124277/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124277
LCSD 880-124277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124277

Prep Batch: 124277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-1	S-1 1'	Total/NA	Solid	8015NM Prep	
880-65043-2	S-1 2'	Total/NA	Solid	8015NM Prep	
880-65043-3	S-2 1'	Total/NA	Solid	8015NM Prep	
880-65043-4	S-2 2'	Total/NA	Solid	8015NM Prep	
880-65043-5	S-3 1'	Total/NA	Solid	8015NM Prep	
880-65043-6	S-3 2'	Total/NA	Solid	8015NM Prep	
880-65043-7	S-4 1'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

GC Semi VOA (Continued)

Prep Batch: 124277 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-8	S-4 2'	Total/NA	Solid	8015NM Prep	
880-65043-9	S-5 1'	Total/NA	Solid	8015NM Prep	
880-65043-10	S-5 2'	Total/NA	Solid	8015NM Prep	
880-65043-11	S-6 1'	Total/NA	Solid	8015NM Prep	
880-65043-12	S-6 2'	Total/NA	Solid	8015NM Prep	
880-65043-13	S-7 1'	Total/NA	Solid	8015NM Prep	
880-65043-14	S-7 2'	Total/NA	Solid	8015NM Prep	
880-65043-15	S-8 1'	Total/NA	Solid	8015NM Prep	
880-65043-16	S-8 2'	Total/NA	Solid	8015NM Prep	
880-65043-17	9 0-0.5'	Total/NA	Solid	8015NM Prep	
880-65043-18	S-10 0-0.5'	Total/NA	Solid	8015NM Prep	
MB 880-124277/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124277/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-19	S-11 0-0.5'	Total/NA	Solid	8015B NM	124128
880-65043-20	S-12 0-0.5'	Total/NA	Solid	8015B NM	124128
MB 880-124128/1-A	Method Blank	Total/NA	Solid	8015B NM	124128
LCS 880-124128/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124128
LCSD 880-124128/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124128

Analysis Batch: 124397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-1	S-1 1'	Total/NA	Solid	8015 NM	
880-65043-2	S-1 2'	Total/NA	Solid	8015 NM	
880-65043-3	S-2 1'	Total/NA	Solid	8015 NM	
880-65043-4	S-2 2'	Total/NA	Solid	8015 NM	
880-65043-5	S-3 1'	Total/NA	Solid	8015 NM	
880-65043-6	S-3 2'	Total/NA	Solid	8015 NM	
880-65043-7	S-4 1'	Total/NA	Solid	8015 NM	
880-65043-8	S-4 2'	Total/NA	Solid	8015 NM	
880-65043-9	S-5 1'	Total/NA	Solid	8015 NM	
880-65043-10	S-5 2'	Total/NA	Solid	8015 NM	
880-65043-11	S-6 1'	Total/NA	Solid	8015 NM	
880-65043-12	S-6 2'	Total/NA	Solid	8015 NM	
880-65043-13	S-7 1'	Total/NA	Solid	8015 NM	
880-65043-14	S-7 2'	Total/NA	Solid	8015 NM	
880-65043-15	S-8 1'	Total/NA	Solid	8015 NM	
880-65043-16	S-8 2'	Total/NA	Solid	8015 NM	
880-65043-17	9 0-0.5'	Total/NA	Solid	8015 NM	
880-65043-18	S-10 0-0.5'	Total/NA	Solid	8015 NM	
880-65043-19	S-11 0-0.5'	Total/NA	Solid	8015 NM	
880-65043-20	S-12 0-0.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 124249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-1	S-1 1'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

HPLC/IC (Continued)

Leach Batch: 124249 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-2	S-1 2'	Soluble	Solid	DI Leach	
880-65043-3	S-2 1'	Soluble	Solid	DI Leach	
880-65043-4	S-2 2'	Soluble	Solid	DI Leach	
880-65043-5	S-3 1'	Soluble	Solid	DI Leach	
880-65043-6	S-3 2'	Soluble	Solid	DI Leach	
880-65043-7	S-4 1'	Soluble	Solid	DI Leach	
880-65043-8	S-4 2'	Soluble	Solid	DI Leach	
880-65043-9	S-5 1'	Soluble	Solid	DI Leach	
880-65043-10	S-5 2'	Soluble	Solid	DI Leach	
880-65043-11	S-6 1'	Soluble	Solid	DI Leach	
880-65043-12	S-6 2'	Soluble	Solid	DI Leach	
880-65043-13	S-7 1'	Soluble	Solid	DI Leach	
880-65043-14	S-7 2'	Soluble	Solid	DI Leach	
880-65043-15	S-8 1'	Soluble	Solid	DI Leach	
880-65043-16	S-8 2'	Soluble	Solid	DI Leach	
880-65043-17	9 0-0.5'	Soluble	Solid	DI Leach	
880-65043-18	S-10 0-0.5'	Soluble	Solid	DI Leach	
880-65043-19	S-11 0-0.5'	Soluble	Solid	DI Leach	
880-65043-20	S-12 0-0.5'	Soluble	Solid	DI Leach	
MB 880-124249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65043-1 MS	S-1 1'	Soluble	Solid	DI Leach	
880-65043-1 MSD	S-1 1'	Soluble	Solid	DI Leach	
880-65043-11 MS	S-6 1'	Soluble	Solid	DI Leach	
880-65043-11 MSD	S-6 1'	Soluble	Solid	DI Leach	

Analysis Batch: 124334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65043-1	S-1 1'	Soluble	Solid	300.0	124249
880-65043-2	S-1 2'	Soluble	Solid	300.0	124249
880-65043-3	S-2 1'	Soluble	Solid	300.0	124249
880-65043-4	S-2 2'	Soluble	Solid	300.0	124249
880-65043-5	S-3 1'	Soluble	Solid	300.0	124249
880-65043-6	S-3 2'	Soluble	Solid	300.0	124249
880-65043-7	S-4 1'	Soluble	Solid	300.0	124249
880-65043-8	S-4 2'	Soluble	Solid	300.0	124249
880-65043-9	S-5 1'	Soluble	Solid	300.0	124249
880-65043-10	S-5 2'	Soluble	Solid	300.0	124249
880-65043-11	S-6 1'	Soluble	Solid	300.0	124249
880-65043-12	S-6 2'	Soluble	Solid	300.0	124249
880-65043-13	S-7 1'	Soluble	Solid	300.0	124249
880-65043-14	S-7 2'	Soluble	Solid	300.0	124249
880-65043-15	S-8 1'	Soluble	Solid	300.0	124249
880-65043-16	S-8 2'	Soluble	Solid	300.0	124249
880-65043-17	9 0-0.5'	Soluble	Solid	300.0	124249
880-65043-18	S-10 0-0.5'	Soluble	Solid	300.0	124249
880-65043-19	S-11 0-0.5'	Soluble	Solid	300.0	124249
880-65043-20	S-12 0-0.5'	Soluble	Solid	300.0	124249
MB 880-124249/1-A	Method Blank	Soluble	Solid	300.0	124249
LCS 880-124249/2-A	Lab Control Sample	Soluble	Solid	300.0	124249

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

HPLC/IC (Continued)

Analysis Batch: 124334 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-124249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124249
880-65043-1 MS	S-1 1'	Soluble	Solid	300.0	124249
880-65043-1 MSD	S-1 1'	Soluble	Solid	300.0	124249
880-65043-11 MS	S-6 1'	Soluble	Solid	300.0	124249
880-65043-11 MSD	S-6 1'	Soluble	Solid	300.0	124249

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-1 1'
Date Collected: 11/14/25 10:05
Date Received: 11/14/25 15:21

Lab Sample ID: 880-65043-1
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			5.01 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 01:17	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/18/25 21:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/18/25 21:25	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 22:19	CS	EET MID

Client Sample ID: S-1 2'
Date Collected: 11/14/25 10:09
Date Received: 11/14/25 15:21

Lab Sample ID: 880-65043-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 01:38	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/18/25 21:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/18/25 21:44	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 22:35	CS	EET MID

Client Sample ID: S-2 1'
Date Collected: 11/14/25 10:17
Date Received: 11/14/25 15:21

Lab Sample ID: 880-65043-3
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			5.03 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 01:58	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/18/25 22:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/18/25 22:05	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 22:40	CS	EET MID

Client Sample ID: S-2 2'
Date Collected: 11/14/25 10:21
Date Received: 11/14/25 15:21

Lab Sample ID: 880-65043-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 02:19	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/18/25 22:24	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/18/25 22:24	AJ	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-2 2'**Lab Sample ID: 880-65043-4****Date Collected: 11/14/25 10:21****Matrix: Solid****Date Received: 11/14/25 15:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 22:45	CS	EET MID

Client Sample ID: S-3 1'**Lab Sample ID: 880-65043-5****Date Collected: 11/14/25 10:26****Matrix: Solid****Date Received: 11/14/25 15:21**

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	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 02:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/18/25 22:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/18/25 22:43	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 22:50	CS	EET MID

Client Sample ID: S-3 2'**Lab Sample ID: 880-65043-6****Date Collected: 11/14/25 10:31****Matrix: Solid****Date Received: 11/14/25 15:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 03:00	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/18/25 23:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/18/25 23:04	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 23:06	CS	EET MID

Client Sample ID: S-4 1'**Lab Sample ID: 880-65043-7****Date Collected: 11/14/25 10:33****Matrix: Solid****Date Received: 11/14/25 15:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 03:20	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/18/25 23:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/18/25 23:22	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 23:11	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-4 2'

Lab Sample ID: 880-65043-8

Date Collected: 11/14/25 10:39

Matrix: Solid

Date Received: 11/14/25 15:21

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	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 03:40	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/18/25 23:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/18/25 23:41	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 23:17	CS	EET MID

Client Sample ID: S-5 1'

Lab Sample ID: 880-65043-9

Date Collected: 11/14/25 10:48

Matrix: Solid

Date Received: 11/14/25 15:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 04:01	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 00:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 00:21	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 23:22	CS	EET MID

Client Sample ID: S-5 2'

Lab Sample ID: 880-65043-10

Date Collected: 11/14/25 10:52

Matrix: Solid

Date Received: 11/14/25 15:21

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	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 04:21	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 00:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 00:40	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 23:27	CS	EET MID

Client Sample ID: S-6 1'

Lab Sample ID: 880-65043-11

Date Collected: 11/14/25 10:41

Matrix: Solid

Date Received: 11/14/25 15:21

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	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 06:11	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 01:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 01:01	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-6 1'**Lab Sample ID: 880-65043-11****Date Collected: 11/14/25 10:41****Matrix: Solid****Date Received: 11/14/25 15:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 23:32	CS	EET MID

Client Sample ID: S-6 2'**Lab Sample ID: 880-65043-12****Date Collected: 11/14/25 10:43****Matrix: Solid****Date Received: 11/14/25 15:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 06:32	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 01:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 01:20	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/18/25 23:48	CS	EET MID

Client Sample ID: S-7 1'**Lab Sample ID: 880-65043-13****Date Collected: 11/14/25 10:37****Matrix: Solid****Date Received: 11/14/25 15:21**

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	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 06:52	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 01:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 01:39	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		5			124334	11/18/25 23:53	CS	EET MID

Client Sample ID: S-7 2'**Lab Sample ID: 880-65043-14****Date Collected: 11/14/25 10:39****Matrix: Solid****Date Received: 11/14/25 15:21**

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	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 07:13	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 02:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 02:00	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		5			124334	11/19/25 00:09	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-8 1'
Date Collected: 11/14/25 10:31
Date Received: 11/14/25 15:21

Lab Sample ID: 880-65043-15
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	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 07:33	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 02:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 02:19	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		5			124334	11/19/25 00:14	CS	EET MID

Client Sample ID: S-8 2'
Date Collected: 11/14/25 10:33
Date Received: 11/14/25 15:21

Lab Sample ID: 880-65043-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 07:53	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 02:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 02:38	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		5			124334	11/19/25 00:19	CS	EET MID

Client Sample ID: 9 0-0.5'
Date Collected: 11/14/25 09:37
Date Received: 11/14/25 15:21

Lab Sample ID: 880-65043-17
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			4.96 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 08:14	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 02:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 02:59	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/19/25 00:25	CS	EET MID

Client Sample ID: S-10 0-0.5'
Date Collected: 11/14/25 09:42
Date Received: 11/14/25 15:21

Lab Sample ID: 880-65043-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 08:34	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 03:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124277	11/18/25 08:36	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124273	11/19/25 03:18	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Client Sample ID: S-10 0-0.5'**Lab Sample ID: 880-65043-18****Date Collected: 11/14/25 09:42****Matrix: Solid****Date Received: 11/14/25 15:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/19/25 00:30	CS	EET MID

Client Sample ID: S-11 0-0.5'**Lab Sample ID: 880-65043-19****Date Collected: 11/14/25 09:20****Matrix: Solid****Date Received: 11/14/25 15:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 08:55	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 22:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124128	11/16/25 15:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124379	11/19/25 22:14	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/19/25 00:35	CS	EET MID

Client Sample ID: S-12 0-0.5'**Lab Sample ID: 880-65043-20****Date Collected: 11/14/25 09:30****Matrix: Solid****Date Received: 11/14/25 15:21**

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	124400	11/19/25 10:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124615	11/22/25 09:15	MNR	EET MID
Total/NA	Analysis	8015 NM		1			124397	11/19/25 22:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124128	11/16/25 15:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124379	11/19/25 22:33	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124249	11/17/25 15:58	SA	EET MID
Soluble	Analysis	300.0		1			124334	11/19/25 00:40	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
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

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

Method Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	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.

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: Raley A #1

Job ID: 880-65043-1
SDG: 25-0124-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-65043-1	S-1 1'	Solid	11/14/25 10:05	11/14/25 15:21	1'
880-65043-2	S-1 2'	Solid	11/14/25 10:09	11/14/25 15:21	2'
880-65043-3	S-2 1'	Solid	11/14/25 10:17	11/14/25 15:21	1'
880-65043-4	S-2 2'	Solid	11/14/25 10:21	11/14/25 15:21	2'
880-65043-5	S-3 1'	Solid	11/14/25 10:26	11/14/25 15:21	1'
880-65043-6	S-3 2'	Solid	11/14/25 10:31	11/14/25 15:21	2'
880-65043-7	S-4 1'	Solid	11/14/25 10:33	11/14/25 15:21	1'
880-65043-8	S-4 2'	Solid	11/14/25 10:39	11/14/25 15:21	2'
880-65043-9	S-5 1'	Solid	11/14/25 10:48	11/14/25 15:21	1'
880-65043-10	S-5 2'	Solid	11/14/25 10:52	11/14/25 15:21	2'
880-65043-11	S-6 1'	Solid	11/14/25 10:41	11/14/25 15:21	1'
880-65043-12	S-6 2'	Solid	11/14/25 10:43	11/14/25 15:21	2'
880-65043-13	S-7 1'	Solid	11/14/25 10:37	11/14/25 15:21	1'
880-65043-14	S-7 2'	Solid	11/14/25 10:39	11/14/25 15:21	2'
880-65043-15	S-8 1'	Solid	11/14/25 10:31	11/14/25 15:21	1'
880-65043-16	S-8 2'	Solid	11/14/25 10:33	11/14/25 15:21	2'
880-65043-17	9 0-0.5'	Solid	11/14/25 09:37	11/14/25 15:21	0 - 0.5'
880-65043-18	S-10 0-0.5'	Solid	11/14/25 09:42	11/14/25 15:21	0 - 0.5'
880-65043-19	S-11 0-0.5'	Solid	11/14/25 09:20	11/14/25 15:21	0 - 0.5'
880-65043-20	S-12 0-0.5'	Solid	11/14/25 09:30	11/14/25 15:21	0 - 0.5'

65043 No. 3563

CHAIN-OF-CUSTODY

 Carson & Associates, Inc. Environmental Consultants				507 N. Marienfeld, Ste. 202 Midland, TX 79701 432-687-0901				DATE: <u>11-14-2025</u> PAGE <u>2</u> OF <u>2</u>			
Data Reported to:				LAB WORK ORDER#: _____				PO#: _____			
TIME ZONE: <u>MNT/NM</u>				PROJECT LOCATION OR NAME: <u>RALEY A #1</u>				COLLECTOR: <u>56 dkr</u>			
TRRP report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				LAI PROJECT #: <u>25-024-01</u>				FIELD NOTES			
S=SOIL W=WATER A=AIR				P=PAINT SL=SLUDGE OT=OTHER				ANALYSES			
Lab #				Date				Time			
Field Sample I.D.				Matrix				# of Containers			
S-8 2'				11/14/25				10:33			
S-9 0-0.5'				09:37				1			
S-10 0-0.5'				09:42				1			
S-11 0-0.5'				09:20				1			
S-12 0-0.5'				09:30				1			
TOTAL 5				5				5			
RELINQUISHED BY: (Signature)				DATE/TIME				RECEIVED BY: (Signature)			
RELINQUISHED BY: (Signature)				11/14/25 1521				RECEIVED BY: (Signature)			
RELINQUISHED BY: (Signature)				DATE/TIME				RECEIVED BY: (Signature)			
RELINQUISHED BY: (Signature)				DATE/TIME				RECEIVED BY: (Signature)			
LABORATORY:				DATE/TIME				RECEIVED BY: (Signature)			

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-65043-1

SDG Number: 25-0124-01

Login Number: 65043

List Source: Eurofins Midland

List Number: 1

Creator: Dyal, Erica

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brenda Balbino
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, Texas 79701

Generated 12/12/2025 12:03:05 PM

JOB DESCRIPTION

Raley A #1
25-0124-01

JOB NUMBER

880-65769-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
12/12/2025 12:03:05 PM

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

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Laboratory Job ID: 880-65769-1
SDG: 25-0124-01

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project: Raley A #1

Job ID: 880-65769-1

Job ID: 880-65769-1

Eurofins Midland

Job Narrative 880-65769-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/5/2025 11:04 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-7 3' (880-65769-1), S-7 4' (880-65769-2), S-7 5' (880-65769-3), S-8 3' (880-65769-4), S-8 4' (880-65769-5) and S-8 5' (880-65769-6)

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-8 3' (880-65769-4), S-8 4' (880-65769-5) and S-8 5' (880-65769-6). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Client Sample ID: S-7 3'

Lab Sample ID: 880-65769-1

Date Collected: 12/03/25 11:05

Matrix: Solid

Date Received: 12/05/25 11:04

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 01:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 01:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 01:17	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/08/25 13:52	12/09/25 01:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 01:17	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/08/25 13:52	12/09/25 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/08/25 13:52	12/09/25 01:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/08/25 13:52	12/09/25 01:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/09/25 01:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/11/25 18:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/05/25 13:06	12/11/25 18:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/05/25 13:06	12/11/25 18:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/05/25 13:06	12/11/25 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	12/05/25 13:06	12/11/25 18:40	1
o-Terphenyl (Surr)	114		70 - 130	12/05/25 13:06	12/11/25 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1930		49.8	mg/Kg			12/08/25 17:36	5

Client Sample ID: S-7 4'

Lab Sample ID: 880-65769-2

Date Collected: 12/03/25 11:11

Matrix: Solid

Date Received: 12/05/25 11:04

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		12/08/25 13:52	12/09/25 01:37	1
Toluene	<0.00201	U	0.00201	mg/Kg		12/08/25 13:52	12/09/25 01:37	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		12/08/25 13:52	12/09/25 01:37	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		12/08/25 13:52	12/09/25 01:37	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		12/08/25 13:52	12/09/25 01:37	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		12/08/25 13:52	12/09/25 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/08/25 13:52	12/09/25 01:37	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/08/25 13:52	12/09/25 01:37	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Client Sample ID: S-7 4'

Lab Sample ID: 880-65769-2

Date Collected: 12/03/25 11:11

Matrix: Solid

Date Received: 12/05/25 11:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			12/09/25 01:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/11/25 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/05/25 13:06	12/11/25 18:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/05/25 13:06	12/11/25 18:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/05/25 13:06	12/11/25 18:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130			12/05/25 13:06	12/11/25 18:56	1
o-Terphenyl (Surr)	113		70 - 130			12/05/25 13:06	12/11/25 18:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363		99.8	mg/Kg			12/08/25 17:53	10

Client Sample ID: S-7 5'

Lab Sample ID: 880-65769-3

Date Collected: 12/03/25 11:16

Matrix: Solid

Date Received: 12/05/25 11:04

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		12/08/25 13:52	12/09/25 03:11	1
Toluene	<0.00202	U	0.00202	mg/Kg		12/08/25 13:52	12/09/25 03:11	1
Ethylbenzene	0.00205		0.00202	mg/Kg		12/08/25 13:52	12/09/25 03:11	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		12/08/25 13:52	12/09/25 03:11	1
o-Xylene	0.00366		0.00202	mg/Kg		12/08/25 13:52	12/09/25 03:11	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		12/08/25 13:52	12/09/25 03:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			12/08/25 13:52	12/09/25 03:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130			12/08/25 13:52	12/09/25 03:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00571		0.00403	mg/Kg			12/09/25 03:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/11/25 19:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/05/25 13:06	12/11/25 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/05/25 13:06	12/11/25 19:11	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Client Sample ID: S-7 5'

Lab Sample ID: 880-65769-3

Date Collected: 12/03/25 11:16

Matrix: Solid

Date Received: 12/05/25 11:04

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/05/25 13:06	12/11/25 19:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130			12/05/25 13:06	12/11/25 19:11	1
o-Terphenyl (Surr)	130		70 - 130			12/05/25 13:06	12/11/25 19:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94	mg/Kg			12/08/25 17:59	1

Client Sample ID: S-8 3'

Lab Sample ID: 880-65769-4

Date Collected: 12/03/25 10:17

Matrix: Solid

Date Received: 12/05/25 11:04

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		12/08/25 13:52	12/09/25 03:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		12/08/25 13:52	12/09/25 03:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		12/08/25 13:52	12/09/25 03:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		12/08/25 13:52	12/09/25 03:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		12/08/25 13:52	12/09/25 03:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		12/08/25 13:52	12/09/25 03:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			12/08/25 13:52	12/09/25 03:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130			12/08/25 13:52	12/09/25 03:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			12/09/25 03:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			12/11/25 19:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	mg/Kg		12/05/25 13:06	12/11/25 19:26	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		12/05/25 13:06	12/11/25 19:26	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		12/05/25 13:06	12/11/25 19:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			12/05/25 13:06	12/11/25 19:26	1
o-Terphenyl (Surr)	144	S1+	70 - 130			12/05/25 13:06	12/11/25 19:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2870		49.6	mg/Kg			12/08/25 18:05	5

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Client Sample ID: S-8 4'

Lab Sample ID: 880-65769-5

Date Collected: 12/03/25 10:24

Matrix: Solid

Date Received: 12/05/25 11:04

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 03:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 03:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 03:52	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/25 13:52	12/09/25 03:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 03:52	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/25 13:52	12/09/25 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/08/25 13:52	12/09/25 03:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/08/25 13:52	12/09/25 03:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			12/09/25 03:52	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			12/11/25 19:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		12/05/25 13:06	12/11/25 19:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		12/05/25 13:06	12/11/25 19:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		12/05/25 13:06	12/11/25 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130	12/05/25 13:06	12/11/25 19:42	1
o-Terphenyl (Surr)	136	S1+	70 - 130	12/05/25 13:06	12/11/25 19:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		100	mg/Kg			12/08/25 18:10	10

Client Sample ID: S-8 5'

Lab Sample ID: 880-65769-6

Date Collected: 12/03/25 10:49

Matrix: Solid

Date Received: 12/05/25 11:04

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 04:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 04:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 04:12	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		12/08/25 13:52	12/09/25 04:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/09/25 04:12	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		12/08/25 13:52	12/09/25 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/08/25 13:52	12/09/25 04:12	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/08/25 13:52	12/09/25 04:12	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Client Sample ID: S-8 5'

Lab Sample ID: 880-65769-6

Date Collected: 12/03/25 10:49

Matrix: Solid

Date Received: 12/05/25 11:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/09/25 04:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/11/25 19:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/05/25 13:06	12/11/25 19:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/05/25 13:06	12/11/25 19:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/05/25 13:06	12/11/25 19:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130			12/05/25 13:06	12/11/25 19:56	1
o-Terphenyl (Surr)	158	S1+	70 - 130			12/05/25 13:06	12/11/25 19:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94	mg/Kg			12/08/25 18:16	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-65769-1	S-7 3'	107	103
880-65769-2	S-7 4'	104	95
880-65769-3	S-7 5'	120	100
880-65769-4	S-8 3'	107	94
880-65769-5	S-8 4'	106	93
880-65769-6	S-8 5'	116	98
LCS 880-125936/1-A	Lab Control Sample	103	99
LCSD 880-125936/2-A	Lab Control Sample Dup	112	100
MB 880-125868/5-B	Method Blank	103	88
MB 880-125936/5-B	Method Blank	105	86
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)
880-65769-1	S-7 3'	97	114
880-65769-2	S-7 4'	97	113
880-65769-3	S-7 5'	109	130
880-65769-4	S-8 3'	121	144 S1+
880-65769-5	S-8 4'	121	136 S1+
880-65769-6	S-8 5'	134 S1+	158 S1+
LCS 880-125763/2-A	Lab Control Sample	98	116
LCSD 880-125763/3-A	Lab Control Sample Dup	96	114
MB 880-125763/1-A	Method Blank	109	117
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-125868/5-B

Matrix: Solid

Analysis Batch: 125855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 125868

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/25 08:55	12/08/25 11:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/25 08:55	12/08/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/25 08:55	12/08/25 11:15	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/25 08:55	12/08/25 11:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/25 08:55	12/08/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/25 08:55	12/08/25 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/08/25 08:55	12/08/25 11:15	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/08/25 08:55	12/08/25 11:15	1

Lab Sample ID: MB 880-125936/5-B

Matrix: Solid

Analysis Batch: 125855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 125936

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/08/25 22:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/08/25 22:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/08/25 22:11	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		12/08/25 13:52	12/08/25 22:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		12/08/25 13:52	12/08/25 22:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		12/08/25 13:52	12/08/25 22:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/08/25 13:52	12/08/25 22:11	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/08/25 13:52	12/08/25 22:11	1

Lab Sample ID: LCS 880-125936/1-A

Matrix: Solid

Analysis Batch: 125855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 125936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1087		mg/Kg		109	70 - 130
Toluene	0.100	0.1002		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130
m,p-Xylenes	0.200	0.1978		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09833		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-125936/2-A

Matrix: Solid

Analysis Batch: 125855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 125936

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1080		mg/Kg		108	70 - 130	1	35

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

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

Lab Sample ID: LCSD 880-125936/2-A

Matrix: Solid

Analysis Batch: 125855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 125936

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1075		mg/Kg		107	70 - 130	7	35
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130	6	35
m,p-Xylenes	0.200	0.2101		mg/Kg		105	70 - 130	6	35
o-Xylene	0.100	0.1059		mg/Kg		106	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-125763/1-A

Matrix: Solid

Analysis Batch: 126335

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 125763

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		12/05/25 13:06	12/11/25 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		12/05/25 13:06	12/11/25 16:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		12/05/25 13:06	12/11/25 16:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	12/05/25 13:06	12/11/25 16:09	1
o-Terphenyl (Surr)	117		70 - 130	12/05/25 13:06	12/11/25 16:09	1

Lab Sample ID: LCS 880-125763/2-A

Matrix: Solid

Analysis Batch: 126335

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 125763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	855.8		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	875.6		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	116		70 - 130

Lab Sample ID: LCSD 880-125763/3-A

Matrix: Solid

Analysis Batch: 126335

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 125763

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	847.0		mg/Kg		85	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	860.6		mg/Kg		86	70 - 130	2	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

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

Lab Sample ID: LCSD 880-125763/3-A
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 125763

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	96		70 - 130
o-Terphenyl (Surr)	114		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125816/1-A
Matrix: Solid
Analysis Batch: 125908

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<10.0	U	10.0	mg/Kg			12/08/25 15:38	1

Lab Sample ID: LCS 880-125816/2-A
Matrix: Solid
Analysis Batch: 125908

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	247.3		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-125816/3-A
Matrix: Solid
Analysis Batch: 125908

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	248.7		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

GC VOA

Analysis Batch: 125855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65769-1	S-7 3'	Total/NA	Solid	8021B	125936
880-65769-2	S-7 4'	Total/NA	Solid	8021B	125936
880-65769-3	S-7 5'	Total/NA	Solid	8021B	125936
880-65769-4	S-8 3'	Total/NA	Solid	8021B	125936
880-65769-5	S-8 4'	Total/NA	Solid	8021B	125936
880-65769-6	S-8 5'	Total/NA	Solid	8021B	125936
MB 880-125868/5-B	Method Blank	Total/NA	Solid	8021B	125868
MB 880-125936/5-B	Method Blank	Total/NA	Solid	8021B	125936
LCS 880-125936/1-A	Lab Control Sample	Total/NA	Solid	8021B	125936
LCSD 880-125936/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125936

Prep Batch: 125868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-125868/5-B	Method Blank	Total/NA	Solid	5035	

Prep Batch: 125936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65769-1	S-7 3'	Total/NA	Solid	5035	
880-65769-2	S-7 4'	Total/NA	Solid	5035	
880-65769-3	S-7 5'	Total/NA	Solid	5035	
880-65769-4	S-8 3'	Total/NA	Solid	5035	
880-65769-5	S-8 4'	Total/NA	Solid	5035	
880-65769-6	S-8 5'	Total/NA	Solid	5035	
MB 880-125936/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-125936/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125936/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 126128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65769-1	S-7 3'	Total/NA	Solid	Total BTEX	
880-65769-2	S-7 4'	Total/NA	Solid	Total BTEX	
880-65769-3	S-7 5'	Total/NA	Solid	Total BTEX	
880-65769-4	S-8 3'	Total/NA	Solid	Total BTEX	
880-65769-5	S-8 4'	Total/NA	Solid	Total BTEX	
880-65769-6	S-8 5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 125763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65769-1	S-7 3'	Total/NA	Solid	8015NM Prep	
880-65769-2	S-7 4'	Total/NA	Solid	8015NM Prep	
880-65769-3	S-7 5'	Total/NA	Solid	8015NM Prep	
880-65769-4	S-8 3'	Total/NA	Solid	8015NM Prep	
880-65769-5	S-8 4'	Total/NA	Solid	8015NM Prep	
880-65769-6	S-8 5'	Total/NA	Solid	8015NM Prep	
MB 880-125763/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125763/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125763/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

GC Semi VOA

Analysis Batch: 126335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65769-1	S-7 3'	Total/NA	Solid	8015B NM	125763
880-65769-2	S-7 4'	Total/NA	Solid	8015B NM	125763
880-65769-3	S-7 5'	Total/NA	Solid	8015B NM	125763
880-65769-4	S-8 3'	Total/NA	Solid	8015B NM	125763
880-65769-5	S-8 4'	Total/NA	Solid	8015B NM	125763
880-65769-6	S-8 5'	Total/NA	Solid	8015B NM	125763
MB 880-125763/1-A	Method Blank	Total/NA	Solid	8015B NM	125763
LCS 880-125763/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125763
LCSD 880-125763/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125763

Analysis Batch: 126487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65769-1	S-7 3'	Total/NA	Solid	8015 NM	
880-65769-2	S-7 4'	Total/NA	Solid	8015 NM	
880-65769-3	S-7 5'	Total/NA	Solid	8015 NM	
880-65769-4	S-8 3'	Total/NA	Solid	8015 NM	
880-65769-5	S-8 4'	Total/NA	Solid	8015 NM	
880-65769-6	S-8 5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 125816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65769-1	S-7 3'	Soluble	Solid	DI Leach	
880-65769-2	S-7 4'	Soluble	Solid	DI Leach	
880-65769-3	S-7 5'	Soluble	Solid	DI Leach	
880-65769-4	S-8 3'	Soluble	Solid	DI Leach	
880-65769-5	S-8 4'	Soluble	Solid	DI Leach	
880-65769-6	S-8 5'	Soluble	Solid	DI Leach	
MB 880-125816/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125816/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125816/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 125908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65769-1	S-7 3'	Soluble	Solid	300.0	125816
880-65769-2	S-7 4'	Soluble	Solid	300.0	125816
880-65769-3	S-7 5'	Soluble	Solid	300.0	125816
880-65769-4	S-8 3'	Soluble	Solid	300.0	125816
880-65769-5	S-8 4'	Soluble	Solid	300.0	125816
880-65769-6	S-8 5'	Soluble	Solid	300.0	125816
MB 880-125816/1-A	Method Blank	Soluble	Solid	300.0	125816
LCS 880-125816/2-A	Lab Control Sample	Soluble	Solid	300.0	125816
LCSD 880-125816/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125816

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Client Sample ID: S-7 3'
Date Collected: 12/03/25 11:05
Date Received: 12/05/25 11:04

Lab Sample ID: 880-65769-1
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			5.01 g	5 mL	125936	12/08/25 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125855	12/09/25 01:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126128	12/09/25 01:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			126487	12/11/25 18:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125763	12/05/25 13:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 18:40	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125816	12/05/25 16:52	SA	EET MID
Soluble	Analysis	300.0		5			125908	12/08/25 17:36	CS	EET MID

Client Sample ID: S-7 4'
Date Collected: 12/03/25 11:11
Date Received: 12/05/25 11:04

Lab Sample ID: 880-65769-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125936	12/08/25 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125855	12/09/25 01:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126128	12/09/25 01:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			126487	12/11/25 18:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125763	12/05/25 13:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 18:56	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125816	12/05/25 16:52	SA	EET MID
Soluble	Analysis	300.0		10			125908	12/08/25 17:53	CS	EET MID

Client Sample ID: S-7 5'
Date Collected: 12/03/25 11:16
Date Received: 12/05/25 11:04

Lab Sample ID: 880-65769-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	125936	12/08/25 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125855	12/09/25 03:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126128	12/09/25 03:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			126487	12/11/25 19:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125763	12/05/25 13:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 19:11	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125816	12/05/25 16:52	SA	EET MID
Soluble	Analysis	300.0		1			125908	12/08/25 17:59	CS	EET MID

Client Sample ID: S-8 3'
Date Collected: 12/03/25 10:17
Date Received: 12/05/25 11:04

Lab Sample ID: 880-65769-4
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			5.03 g	5 mL	125936	12/08/25 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125855	12/09/25 03:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126128	12/09/25 03:31	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Client Sample ID: S-8 3'
Date Collected: 12/03/25 10:17
Date Received: 12/05/25 11:04

Lab Sample ID: 880-65769-4
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			126487	12/11/25 19:26	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	125763	12/05/25 13:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 19:26	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125816	12/05/25 16:52	SA	EET MID
Soluble	Analysis	300.0		5			125908	12/08/25 18:05	CS	EET MID

Client Sample ID: S-8 4'
Date Collected: 12/03/25 10:24
Date Received: 12/05/25 11:04

Lab Sample ID: 880-65769-5
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			5.00 g	5 mL	125936	12/08/25 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125855	12/09/25 03:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126128	12/09/25 03:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			126487	12/11/25 19:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125763	12/05/25 13:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 19:42	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125816	12/05/25 16:52	SA	EET MID
Soluble	Analysis	300.0		10			125908	12/08/25 18:10	CS	EET MID

Client Sample ID: S-8 5'
Date Collected: 12/03/25 10:49
Date Received: 12/05/25 11:04

Lab Sample ID: 880-65769-6
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	125936	12/08/25 13:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125855	12/09/25 04:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126128	12/09/25 04:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			126487	12/11/25 19:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125763	12/05/25 13:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 19:56	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125816	12/05/25 16:52	SA	EET MID
Soluble	Analysis	300.0		1			125908	12/08/25 18:16	CS	EET MID

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
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: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Raley A #1

Job ID: 880-65769-1
SDG: 25-0124-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-65769-1	S-7 3'	Solid	12/03/25 11:05	12/05/25 11:04	New Mexico
880-65769-2	S-7 4'	Solid	12/03/25 11:11	12/05/25 11:04	New Mexico
880-65769-3	S-7 5'	Solid	12/03/25 11:16	12/05/25 11:04	New Mexico
880-65769-4	S-8 3'	Solid	12/03/25 10:17	12/05/25 11:04	New Mexico
880-65769-5	S-8 4'	Solid	12/03/25 10:24	12/05/25 11:04	New Mexico
880-65769-6	S-8 5'	Solid	12/03/25 10:49	12/05/25 11:04	New Mexico

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No. 3578

CHAIN-OF-CUSTODY

DATE: 12/15/2025 PAGE 1 OF 1

PO#: _____ LAB WORK ORDER#: _____

PROJECT LOCATION OR NAME: RALEY A #1

LAI PROJECT #: 25-0124-e1 COLLECTOR: D54

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

Carson & Associates, Inc.
Environmental Consultants

Data Reported to:

TRRP report?

☐ Yes ☒ NoTIME ZONE:
Time zone/State:MNT / NMField
Sample I.D.S-7 3'S-7 4'S-7 5'S-8 3'S-8 4'S-8 5'P=PAINT
SL=SLUDGE
OT=OTHERS=SOIL
W=WATER
A=AIR

Lab #

Date

Time

Matrix

12/13/2511111116101710241049

PRESERVATION

HCl

HNO₃H₂SO₄

NaOH

ICE

UNPRESERVED

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of Containers

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ANALYSES

BTEX MIB

TPH 418.1

GASOLINE MOD 8015-B

DIESEL MOD 8015-B

OIL MOD 8015-B

SVOC 8270

8081 PESTICIDES

TC-P. PEST

TC-P. METALS (RCRA)

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TC-P

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-65769-1

SDG Number: 25-0124-01

Login Number: 65769

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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

Appendix E

Photographic Documentation

Incident ID: nAPP2531648708
Delineation Report and Remediation Plan
Raw Oil & Gas - Raley A #1
Crude Oil Release
December 9, 2025



Facility Sign, viewing north.



Excavated area, viewing south.

Incident ID: nAPP2531648708
Delineation Report and Remediation Plan
Raw Oil & Gas - Raley A #1
Crude Oil Release
December 9, 2025



Excavated area, viewing southwest.



Excavated area, viewing southeast.

Incident ID: nAPP2531648708
Delineation Report and Remediation Plan
Raw Oil & Gas - Raley A #1
Crude Oil Release
December 9, 2025



Excavated area, viewing south.

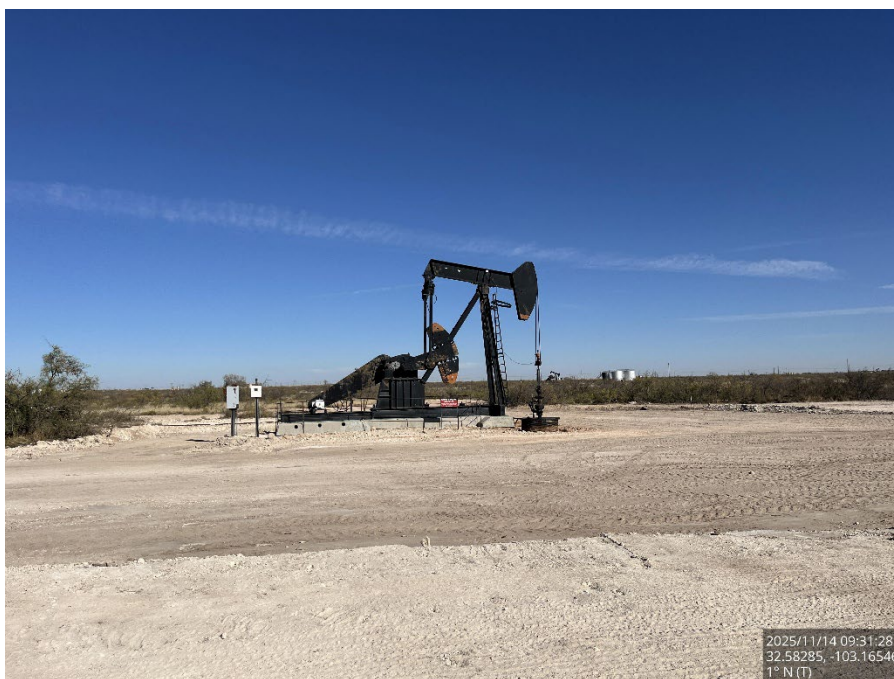


Excavated area, viewing east.

Incident ID: nAPP2531648708
Delineation Report and Remediation Plan
Raw Oil & Gas - Raley A #1
Crude Oil Release
December 9, 2025



Excavated area, viewing northeast.



Excavated area, viewing north.

Incident ID: nAPP2531648708
Delineation Report and Remediation Plan
Raw Oil & Gas - Raley A #1
Crude Oil Release
December 9, 2025



Excavated area, viewing northwest.



Excavated area, viewing north.

Incident ID: nAPP2531648708
Delineation Report and Remediation Plan
Raw Oil & Gas - Raley A #1
Crude Oil Release
December 9, 2025



Excavated area, viewing west.



Excavated area, viewing southwest.

Incident ID: nAPP2531648708
Delineation Report and Remediation Plan
Raw Oil & Gas - Raley A #1
Crude Oil Release
December 9, 2025



Excavated area, viewing southwest.



Excavated area, viewing south.

Incident ID: nAPP2531648708
Delineation Report and Remediation Plan
Raw Oil & Gas - Raley A #1
Crude Oil Release
December 9, 2025



Excavated area, viewing south.



Excavated area, viewing south.

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

QUESTIONS

Action 534569

QUESTIONS

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 534569
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2531648708
Incident Name	NAPP2531648708 RALEY A #1 @ 30-025-27704
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-27704] RALEY A #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	RALEY A #1
Date Release Discovered	11/11/2025
Surface Owner	Private

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Fire Other (Specify) Crude Oil Released: 29 BBL Recovered: 0 BBL Lost: 29 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Ben's Hot Oil Service loaded 50 bbls oil and rigged up on the 1

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QUESTIONS, Page 2

Action 534569

QUESTIONS (continued)

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 534569
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Maria Roman Title: Administrative Assistant Email: rawoilandgas@raw-energy.net Date: 12/12/2025
--	--

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QUESTIONS, Page 3

Action 534569

QUESTIONS (continued)

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 534569
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	2870
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	11/11/2025
On what date will (or did) the final sampling or liner inspection occur	02/11/2026
On what date will (or was) the remediation complete(d)	02/11/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	13679
What is the estimated volume (in cubic yards) that will be remediated	672

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 534569

QUESTIONS (continued)

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 534569
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	FEEM0112339187 J&L LANDFARM
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Maria Roman Title: Administrative Assistant Email: rawoilandgas@raw-energy.net Date: 12/12/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 534569

QUESTIONS (continued)

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 534569
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 534569

QUESTIONS (continued)

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 534569
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 534569

CONDITIONS

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 534569
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Delineation Report and Remediation Plan is approved to include the following conditions of approval: 1. All areas in the fire/spill area, not reasonably needed for equipment or production, will be required to be seeded within the first growing season after remediation and reclamation are achieved. 2. The request to collect 5-point confirmation samples every 400 square feet, and sidewall samples every 200 sq. feet is approved. 3. Collect at least one composite sample from the backfill material.	12/19/2025