Incident ID: nAPP2514142619
REMEDIATION AND CLOSURE REPORT
Hayhurst NM Section 2 SWD Facility (Gravitas SWD)
Produce Water Release
Eddy County, New Mexico

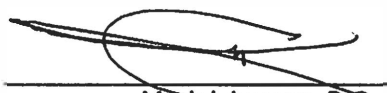
Latitude: 32.06675
Longitude: -104.16533

LAI Project No: 25-0101-02

November 18, 2025

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

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



Mark J. Larson, P.G.
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Daniel St. Germain, P.G.
Staff Geologist

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1.0 INTRODUCTION

Larson & Associates, Inc. (LAI) has prepared this remediation and closure report on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (NMOCD) District II for a produced water release at the Hayhurst NM Section 2 SWD Facility, also known as the Gravitas SWD (Site) located in Unit N (SE/4 of SW/4), Section 2, Township 26 South, Range 27 East, in Eddy County, New Mexico. The geodetic position is 32.06675, -104.16533. Figure 1 presents a topographic map.

1.1 Background

The release was discovered on May 12, 2025, and was caused by a valve failure, causing about twelve (12) barrels of produced water to be released onto the pad, over an area of about 2,980 square feet. None of the released fluid was recovered. The incident occurred on land owned by the State of New Mexico and managed by New Mexico State Land Office (NMSLO). The initial C-141 and spill calculation were submitted to the NMOCD District II on May 21, 2025, and was assigned incident number nAPP2514142619. Appendix A presents the initial C-141 and Chevron spill calculation.

1.2 Physical Setting

The physical setting is as follows:

- Surface elevation is approximately 3,220 feet above mean sea level (msl).
- Surface topography slopes gently to the northeast.
- The nearest continuously flowing water course (Pecos River) is located about 7.16 miles to the northeast.
- The nearest lakebed, sinkhole, or playa lake is located about 4.2 miles to the southeast.
- The nearest wetland is located about 2.2 miles to the northwest.
- The nearest subsurface mine is located about 25.4 miles to the northeast.
- The nearest 100-year flood plain is located 1.8 miles to the northwest.
- There nearest active water well for stock watering is located about 640 feet to the west.
- USGS karst occurrence potential data designates the area as “high” risk.
- The uppermost geologic formation is the Rustler Formation, consisting of siltstone, gypsum, sandstone, and dolomite.
- Soils are predominantly Reeves-Gypsum land complex, where the typical Reeves profile consists of 8 inches of loam underlain by 24 inches of clay loam, and 28 inches of gypsiferous material, in descending order.
- Groundwater was reported at 25.25 feet below ground surface (bgs), based on a soil boring (BH-1) drilled on April 29, 2020, about 0.34 miles northwest of the Site and measured 72-hours after completion.

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

1.3 Remediation 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 less than 51 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 REMEDIATION PLAN

The remediation plan was outlined in the report titled, *Delineation Report and Remediation Plan, Hayhurst NM Section 2 SWD Facility (Gravitas SWD), Produced Water Release, Eddy County, New Mexico*, dated August 27, 2025. The report recommended the following remedial action:

- Excavate about 294 cubic yards of impacted material from an area of about 3,387 square feet, including 1,902 square foot area bounding samples S-1, S-3, S-4, and S-9 to one (1) foot bgs, and a 1,485 square foot area bounding samples S-2 and S-5, to three (3) foot bgs.
- Field screen confirmation samples for chloride and TPH during remediation activities to determine if more/less soil is required to be excavated.
- Collect 21 composite confirmation samples from the bottom and sidewalls of the excavation, or about every 200 square feet, and one (1) composite sample from non-waste containing backfill material.
- Laboratory analysis of samples for BTEX, TPH, and chloride by NMOCD approved 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.

The remediation plan was approved, on September 8, 2025, under the following conditions that (1) the site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. (2) All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. (3) Sidewall/edge should be collected from the sidewall of the excavation and should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release (4) confirmation samples should not represent more than 200 square feet. (5) The remediation will need completed within 90 days after the report has been reviewed. Figure 2 presents the proposed excavation map. Table 1 presents the delineation sample analytical summary. Appendix D presents NMOCD communications.

3.0 REMEDIATION

Between October 6 and 10, 2025, Apeck Construction (Apeck), under the guidance of LAI personnel removed approximately 190 cubic yards of impacted soil from an area of about 3,387 square feet mechanical excavation methods. Impacted material was disposed of at the R360 Red Bluff Facility in Reeves County, Texas.

Between October 7 and 10, 2025, LAI personnel collected twenty-three (23) five-point confirmation samples from twenty-one (21) sample areas (C-01 through C-21) of the excavation, and two (2) final samples from areas where an initial confirmation sample was reported above closure criteria. The confirmation samples were collected from the bottom and sidewalls of the excavation in areas that represent about 200 square feet at depths ranging between one (1) and three (3) feet bgs. All samples were field screened for chloride prior to being submitted to the laboratory for analysis.

The samples were delivered under chain-of-custody and preservation to Eurofins laboratories (Eurofins) in Carlsbad, New Mexico or 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 EPA SW-846 Method 8015M; and chloride by EPA Method 300.

Eurofins reported that all samples were below analytical reporting limits (RL) and closure criteria for benzene, BTEX, and TPH. Chloride was reported above closure criteria of 600 mg/Kg in C-03 (663 mg/Kg) and C-05 (628 mg/Kg) collected on October 7, 2025. Both sample areas were excavated an additional 1-foot bgs and resampled on October 10, 2025, and subsequently reported blow NMOCD closure criteria for all parameters.

Laboratory analysis demonstrates that benzene, BTEX, TPH, and chloride were remediated below the lowest NMOCD closure standards for groundwater less than 51 feet bgs listed in Table 1 of 19.15.29 NMAC. Table 2 presents the confirmation sample analytical summary. Figure 3 presents an aerial map with the excavation areas and confirmation sample locations. Appendix E presents the laboratory reports.

On November 5, 2025, LAI personnel collected one (1) composite backfill sample (BF-1) from a borrow pit located in Unit N, Section 2, Township 26 South, Range 27 East, in Eddy County, New Mexico. The sample was analyzed by Eurofins and was reported below the analytical method RL below the NMOCD requirements prescribed in 19.15.29.13D(1) NMAC for benzene, BTEX, TPH, and chloride.

Between November 10 and 13, 2025, Apeck backfilled the excavation with the non-waste containing backfill material collected from the nearby borrow pit and restored the surface to a similar condition prior to remediation. Table 2 presents the backfill sample analytical summary. Appendix E presents the laboratory reports. Appendix D presents the final sampling notifications. Appendix F presents photographic documentation.

4.0 CULTURAL PROPERTIES AND BIOLOGICAL SENSITIVE AREAS

4.1 Cultural Properties Compliance

All remediation activities at the Site were performed on land previously disturbed for oil and gas extraction, therefore an Archaeological Records Management Section (ARMS) review/inspection was not required.

4.2 Biological Compliance

The Site is located about three (3) miles north of an ephemeral drainage designated as management zone C in the Texas Hornshell Mussel CCAA (Candidate Conservation Agreements with Assurances). Additionally, potential habitats for three (3) sensitive plant species were identified near the Site, including Sheer's beehive catus, Wrights water willow, and Gypsum milkvetch. Potential habitats for Sheers beehive cactus bound the Site in each cardinal direction, with the nearest border located about 880 feet to the south. Potential habitat for Wrights water willow is located about one (1) mile to the east. Potential habitats for Gypsum milkvetch are located about 1.2 and 0.98 miles west and south of the Site, respectfully. All remediation activities remained onsite, and a biological survey was not required.

5.0 CLOSURE REQUEST

Chevron requests closure for nAPP2514142619.

Tables

Table 1
Delineation Sample Analytical Summary
Chevron - Gravitas SWD Spill 4
Eddy County, New Mexico
32.06637, -104.16509

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**	**600**
S-1	0	05/14/25	0.03850	0.18900	<49.9	94.6	<49.9	94.6	**21,300**
S-1	0.5	08/19/25	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	**737**
S-1	1	08/19/25	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	184
S-1	3	08/19/25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	101
S-2	0	05/14/25	<0.00201	0.00502	<50.1	<50.1	<50.1	<50.1	**14,200**
S-2	0.5	08/12/25	<0.00200	<0.00399	<50.0	50.5	<50.0	50.5	**4,710**
S-2	1	08/12/25	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	**3,980**
S-2	3	08/12/25	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	540
S-3	0	05/14/25	0.02370	0.07640	<49.7	517	<49.7	**517**	**24,000**
S-3	0.5	05/14/25	0.03920	0.14100	<50.0	476	<50.0	**476**	**28,200**
S-3	1	08/19/25	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	526
S-3	3	08/19/25	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	86.5
S-4	0	05/14/25	0.03840	0.26200	<50.1	305	<50.1	**305**	**29,000**
S-4	0.5	05/14/25	0.00235	0.02590	<50.3	458	<50.3	**458**	**32,800**
S-4	1	08/19/25	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	306
S-4	3	08/19/25	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	177
S-5	0	05/14/25	0.06890	0.46000	<49.7	<49.7	<49.7	<49.7	**36,200**
S-5	0.5	05/14/25	0.02450	0.30000	<49.8	<49.8	<49.8	<49.8	**22,800**
S-5	3	08/12/25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	370
S-6	0	05/14/25	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	71.1
S-7	0	05/14/25	<0.00202	<0.00403	<50.2	<50.2	<50.2	<50.2	83.5
S-8	0	05/14/25	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	58.1
S-9	0.5	08/12/25	<0.00198	<0.00396	<49.8	61.2	<49.8	61.2	**1,510**
S-9	1	08/12/25	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	259
S-9	3	08/12/25	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	100

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

Table 2
Confirmation Sample Analytical Summary
Chevron - Hayhurst NM Section 2 SWD Facility (Gravitas SWD)
Eddy County, New Mexico
32.01973, -104.14068

Sample ID	Depth (feet)	Location	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					**10**	**50**				**100**	**600**
C-01	2	Bottom	10/07/2025	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	351
C-02	2	Bottom	10/07/2025	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	370
C-03	2	Bottom	10/07/2025	In-situ	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	663
C-03	3	Bottom	10/10/2025	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	215
C-04	3	Bottom	10/08/2025	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	324
C-05	2	Bottom	10/07/2025	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	628
C-05	3	Bottom	10/10/2025	In-situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	232
C-06	3	Bottom	10/08/2025	In-situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	425
C-07	3	Bottom	10/08/2025	In-situ	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	535
C-08	2	Bottom	10/07/2025	In-situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	366
C-09	2	Bottom	10/07/2025	In-situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	546
C-10	2	Bottom	10/09/2025	In-situ	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	273
C-11	2	Bottom	10/09/2025	In-situ	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	223
C-12	2	Bottom	10/09/2025	In-situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	193
C-13	1	Bottom	10/08/2025	In-situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	535
C-14	2.5	Bottom	10/09/2025	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	257
C-15	2	Bottom	10/09/2025	In-situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	201
C-16	2	Bottom	10/10/2025	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	248
C-17	2	Bottom	10/10/2025	In-situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	245
C-18	2	Bottom	10/10/2025	In-situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	224
C-19	0-3	Sidewall	10/08/2025	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	549
C-20	0-2	Sidewall	10/10/2025	In-situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	230
C-21	0-2	Sidewall	10/10/2025	In-situ	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	298
Back Fill Sample											
BF-01	--	--	11/05/2025	--	<0.00199	<0.00389	<50.0	<50.0	<50.0	<50.0	<10.0

Table 2
Confirmation Sample Analytical Summary
Chevron - Hayhurst NM Section 2 SWD Facility (Gravitas SWD)
Eddy County, New Mexico
32.01973, -104.14068

Sample ID	Depth (feet)	Location	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	MRO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					**10**	**50**				**100**	**600**

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).
mg/Kg: milligrams per kilogram; equivalent to parts per million (ppm)
BTEX: benzene, toluene, ethylbenzene, xylene
TPH: total petroleum hydrocarbons
GRO: gasoline range organics (C1-C-10)
DRO: diesel range organics (>C10-C28)
MRO: oil range organics (>C28-C36)
<: indicates that parameter concentration is below analytical method reporting limit
Bold and highlighted indicates parameter concentration is above NMOCD delineation limits

Figures

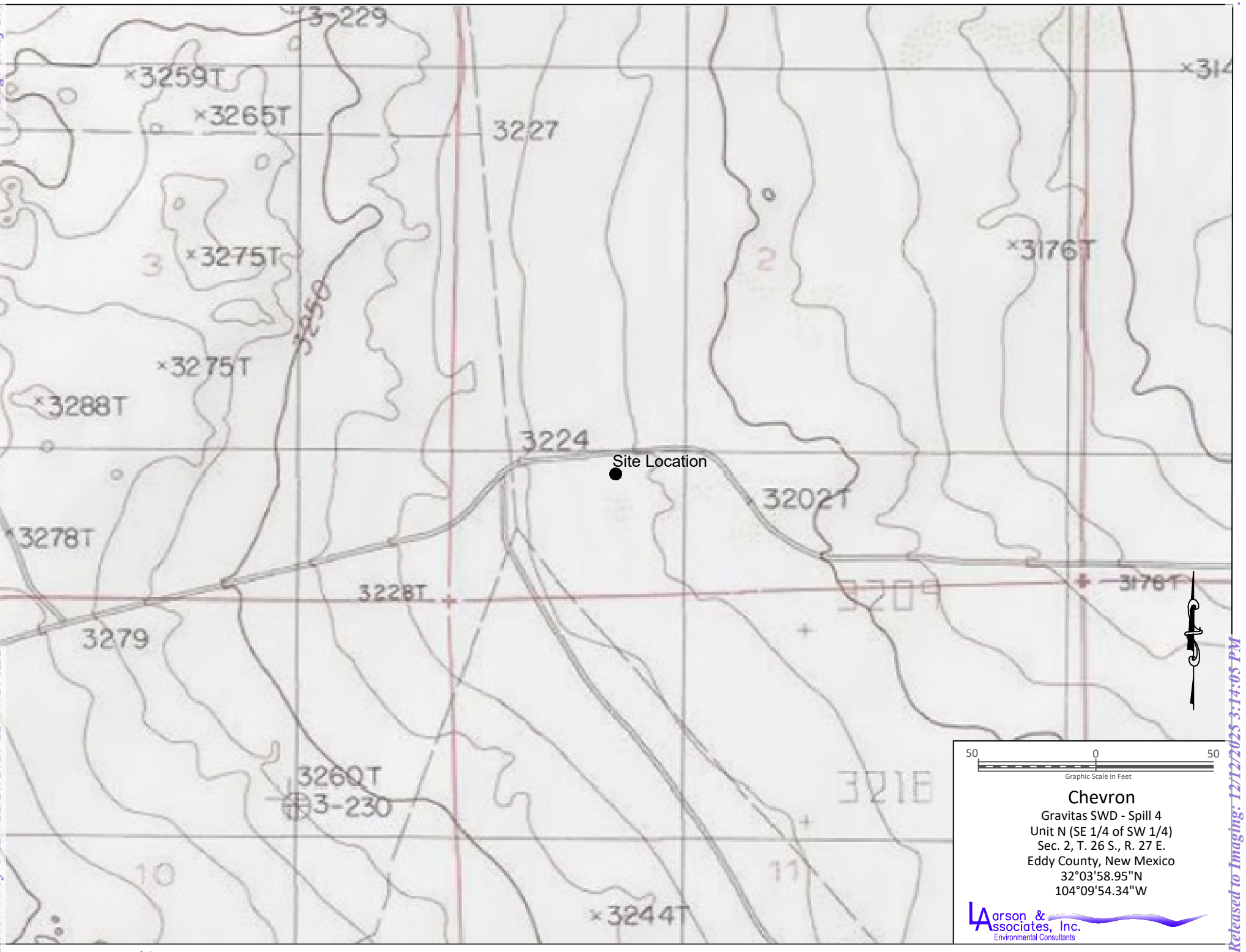


Figure 1 - Topographic Map

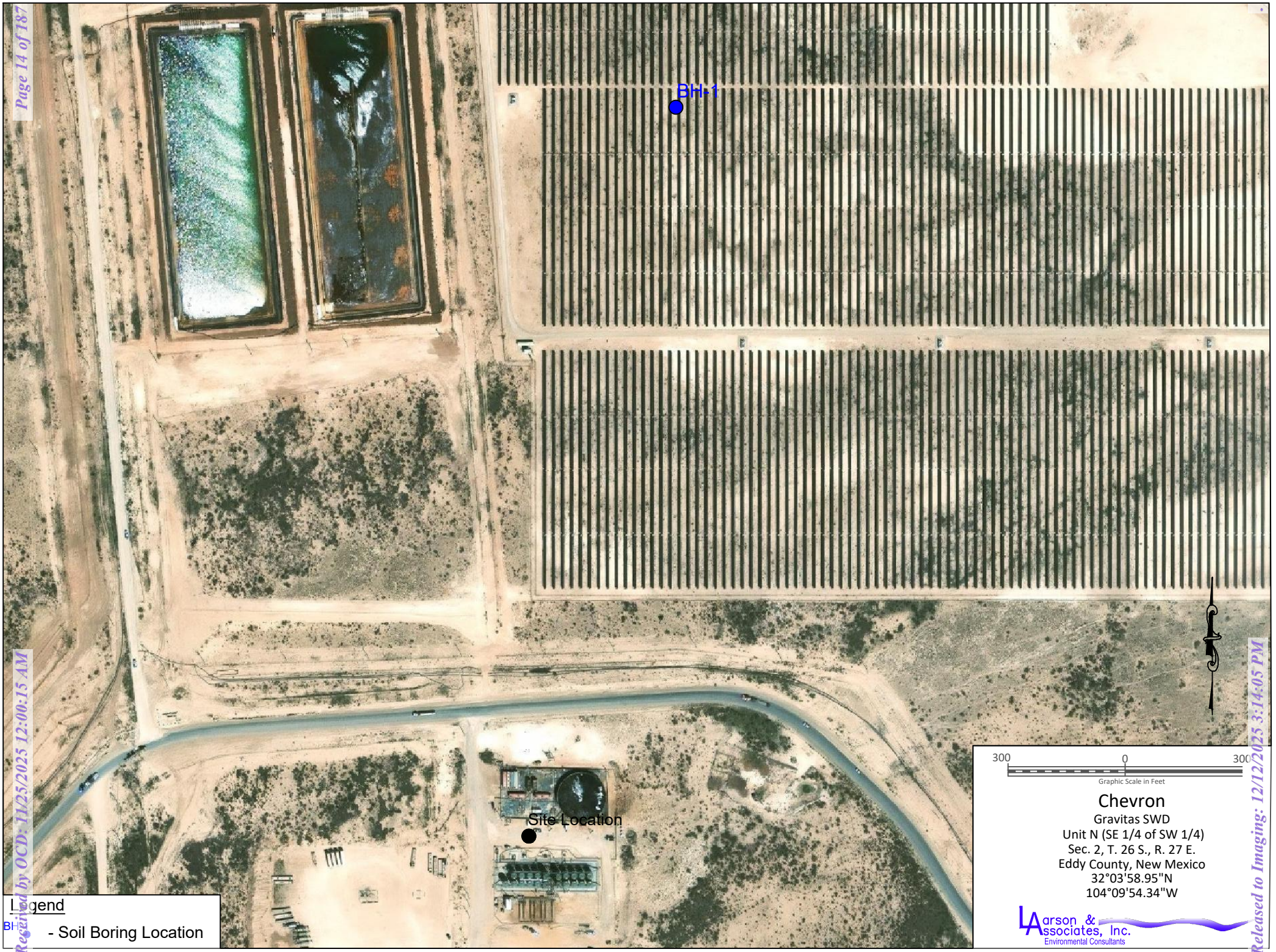


Figure 2 - Aerial Map Showing Soil Boring Location

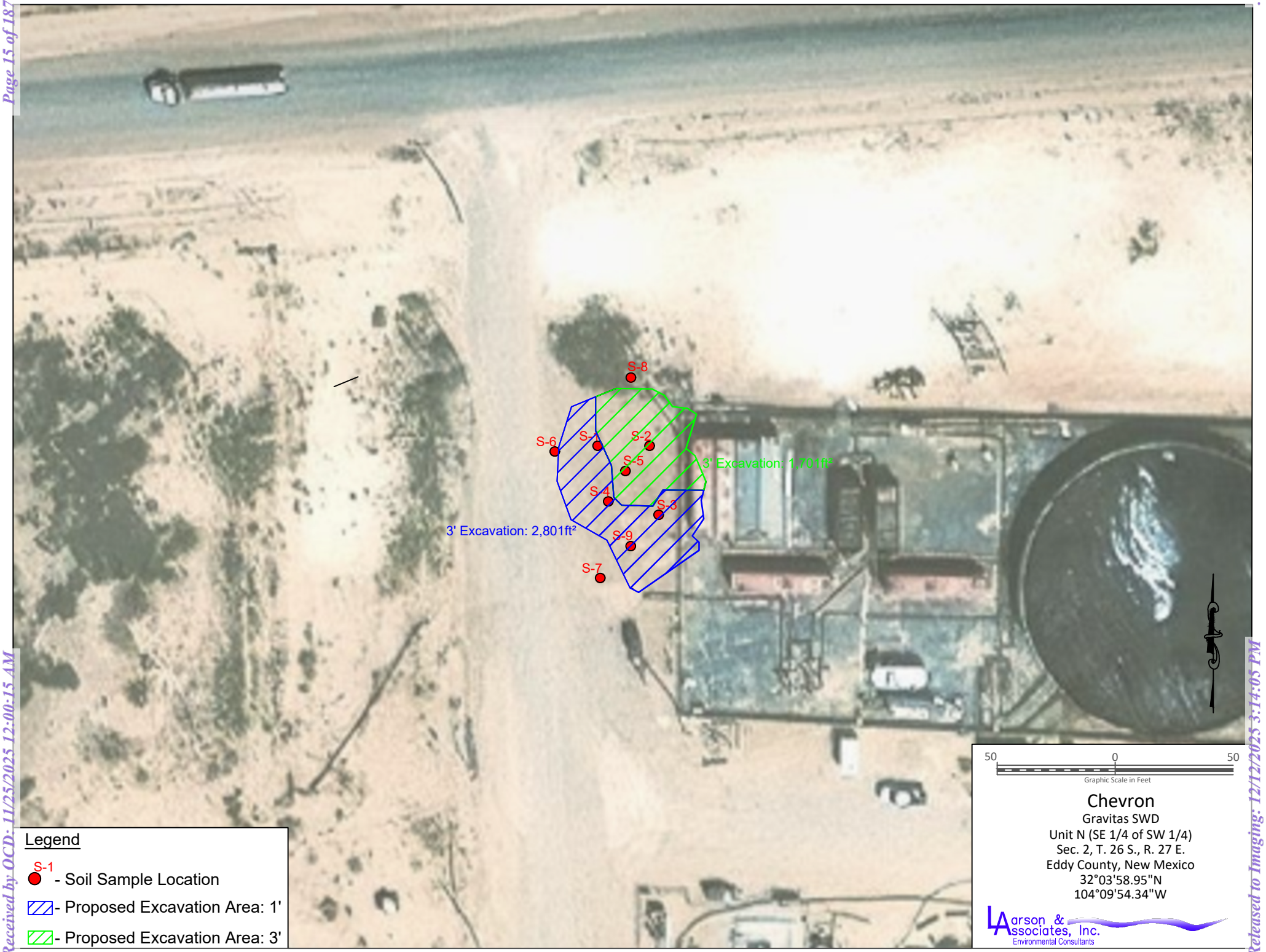
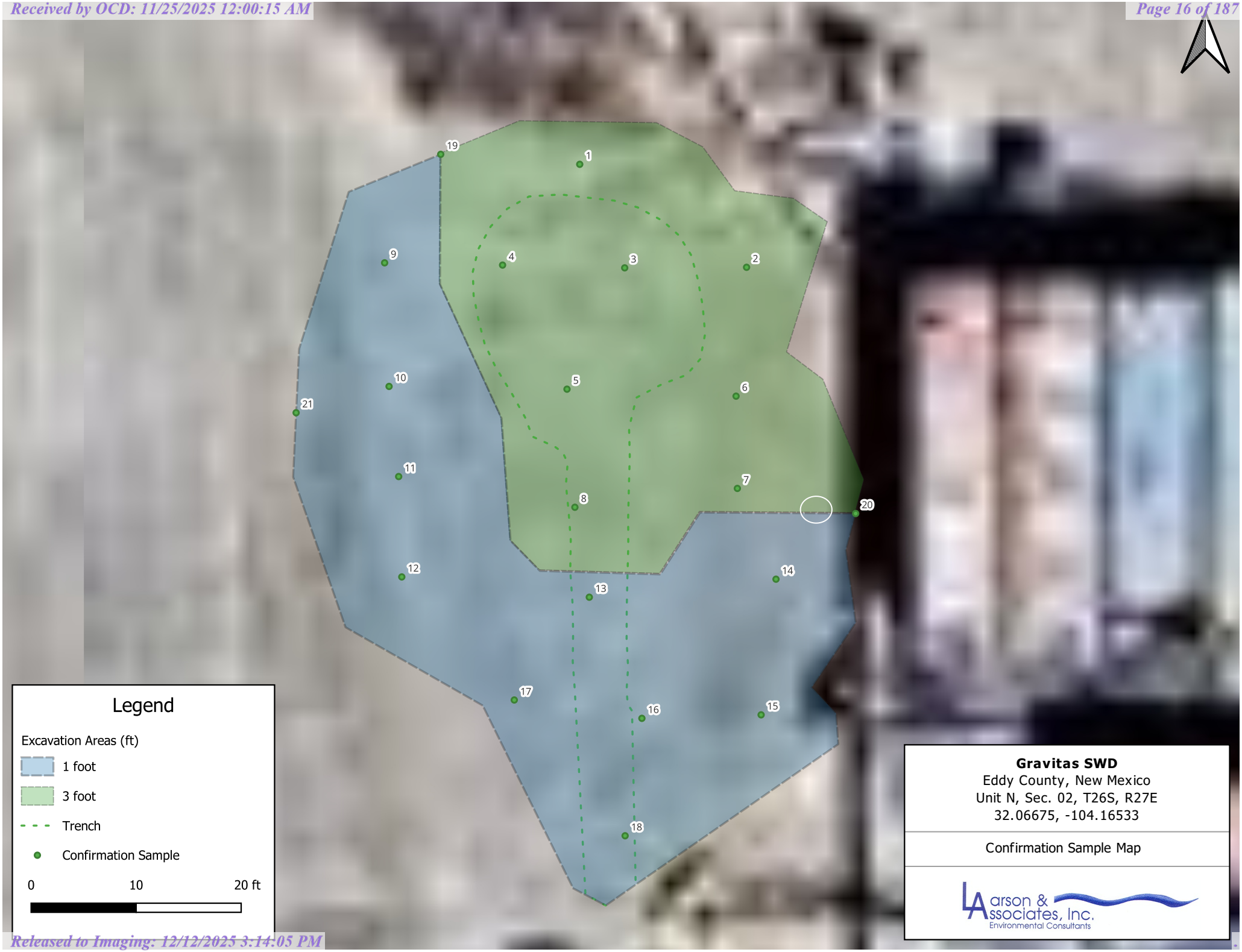


Figure 3 - Aerial Map Showing Proposed Excavation Areas


19
1
9
4
3
2
10
5
6
21
11
7
8
20
12
14
13
17
16
15
18
Legend
Excavation Areas (ft)
1 foot
3 foot
Trench
Confirmation Sample
0
10
20 ft
Gravitas SWD
Eddy County, New Mexico
Unit N, Sec. 02, T26S, R27E
32.06675, -104.16533
Confirmation Sample Map
Larson & Associates, Inc.
Environmental Consultants

Appendix A

Initial C-141

Spilled Material: Produced Water Only
Oil Released: 0 bbl
Oil Recovered: 0 bbl
Water Released: 11.648 bbl
Water Recovered: 0 bbl

Calculation Details									
Area	**Shape**	**Secondary Containment**	**Standing Liquid Dimension**	**Standing Liquid Volume**	**Water Cut**	**Oil Volume**	**Penetration Depth**	**Water to Soil Volume**	**Water Volume**
1	Rectangle	Caliche	36 ft x 32 ft x .625 in	11.648 bbl	100%	0.000 bbl	.375 in	0.962 bbl	11.648 bbl
2					%				
3					%				
4					%				
5					%				
6					%				
7					%				
Rec Vol						0			0
Total Vol						0			11.648

Weather Conditions: Clear
Temperature: 77°F
Relative Humidity: 17%
Wind Direction: 239°
Wind Speed: 8 mph

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

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 465838
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2514142619**
Incident Name	**NAPP2514142619 HAYHURST NM SECTION 2 SWD (GRAVITAS) @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2131342213] Hayhurst NM Section 2 SWD Facility**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Hayhurst NM Section 2 SWD (Gravitas)
Date Release Discovered	05/12/2025
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Valve | Produced Water | Released: 12 BBL | Recovered: 0 BBL | Lost: 12 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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 (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 465838
	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	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 05/21/2025

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 (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 465838
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
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	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

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	No
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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CONDITIONS

Action 465838

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 465838
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	5/21/2025

Appendix B

Karst Potential Map

Spilled Material: Produced Water Only
Oil Released: bbl
Oil Recovered: bbl
Water Released: 8.176 bbl
Water Recovered: bbl

Calculation Details

Area	Shape	Secondary Containment	Standing Liquid Dimension	Standing Liquid Volume	Water Cut	Oil Volume	Penetration Depth	Water to Soil Volume	Water Volume
1	Rectangle	Land	13 ft x 18 ft x .125 in	0.499 bbl	%	0.499 bbl	.125 in	0.065 bbl	
2	Rectangle	Land	9 ft x 22 ft x .5 in	1.524 bbl	%	1.524 bbl	.125 in	0.055 bbl	
3	Rectangle	Land	13 ft x 13 ft x 1 in	2.555 bbl	%	2.555 bbl	.125 in	0.047 bbl	
4	Rectangle	Land	13 ft x 16 ft x 1 in	3.145 bbl	%	3.145 bbl	.125 in	0.058 bbl	
5	Rectangle	Land	10 ft x 3 ft x 1 in	0.453 bbl	%	0.453 bbl	.125 in	0.008 bbl	
6					%				
7					%				
Rec Vol									
Total Vol									8.176

District I
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District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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State of New Mexico
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 394606
	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	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 10/22/2024

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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 394606
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
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	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

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	No
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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CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 394606
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	10/22/2024


Whites City Rd
Whites City Rd
Whites City Rd
Whites City Rd
Whites City Rd
Whites City Rd
Windmill Oasis
Gravitas SWD
Willhoit Ranch Rd
Eddy County SWD
Storage Facility for...
Temporarily closed
775
775
LEGEND
Site Location
Karst Risk Potential
High
Medium
Low
0
100
200 ft

Appendix C

Boring Log

BORING RECORD

Start: 11:30
Finish: 12:30

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG
	0	Silty Sand, 7.5YR 8/2, Pinkish White, Rounded, Fine Grained, Poorly Sorted, Subangular, 0.5-2cm Clast Inclusions	ML	
	5	Caliche, 7.5YR 8/1, White, Rounded, Poorly Sorted, Medium Grained, Subangular, 0.5-1cm Diameter Clast Inclusions	Caliche	
	10			
	15	Silty Sand, 7.5YR 6/6, Reddish Yellow, Rounded, Fine Grained, Poorly Sorted, Subangular, 0.5-1cm Diameter Clast Inclusions 7.5YR 6/8, Reddish Yellow, Subangular, 0.5-2.5cm Diameter Clast Inclusions	ML	
Depth to Water: 25.25	20			
	25	Quartz Sand, 2.5YR 8/2, Pinkish White, Fine Grained, Rounded, Poorly Sorted, Subangular, 0.5-2cm Diameter Clast Inclusions	SM	
	30			
	35			
	40	Quartz Sand, Very Fine Grained, Well Rounded, Poorly Sorted, 7.5YR 8/1, White, Subangular Clast Inclusions, 0.5-1.5cm Diameter		
	45			
	50		SM	

PID READING: PPM X _____ (2 4 6 8 10 12 14 16 18)

SAMPLE: NUMBER | PID READING | RECOVERY | DEPTH (1, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50)

REMARKS: BACKGROUND PID READING
SOIL : _____ PPM
SOIL : _____ PPM

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HRS)
WATER TABLE (TIME OF BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/ SQ. FT)
NR NO RECOVERY

JOB NUMBER : Chevron/ 20-0107-03
HOLE DIAMETER : 2"
LOCATION : 32°04'17.3600", -104°09'49.6600"
LAI GEOLOGIST : R. Nelson
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-29-2020

BORING NUMBER : BH-1

Appendix D

NMOCD Communications

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

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

QUESTIONS

Action 510481

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510481
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2514142619**
Incident Name	**NAPP2514142619 HAYHURST NM SECTION 2 SWD (GRAVITAS) @ FAPP2131342213**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2131342213] Hayhurst NM Section 2 SWD Facility**

Location of Release Source	
Site Name	**Hayhurst NM Section 2 SWD (Gravitas)**
Date Release Discovered	**05/12/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,387
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/07/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Inderveer 432-313-1921; samples will be collected until 10/13/2025.
Please provide any information necessary for navigation to sampling site	32.066375, -104.165094

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 510481

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510481
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/30/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/30/2025

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

QUESTIONS

Action 510483

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510483
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2514142619**
Incident Name	**NAPP2514142619 HAYHURST NM SECTION 2 SWD (GRAVITAS) @ FAPP2131342213**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2131342213] Hayhurst NM Section 2 SWD Facility**

Location of Release Source	
Site Name	**Hayhurst NM Section 2 SWD (Gravitas)**
Date Release Discovered	**05/12/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,387
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/08/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Inderveer 432-313-1921; samples will be collected until 10/13/2025.
Please provide any information necessary for navigation to sampling site	32.066375, -104.165094

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CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510483
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/30/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/30/2025

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QUESTIONS

Action 510485

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510485
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2514142619**
Incident Name	**NAPP2514142619 HAYHURST NM SECTION 2 SWD (GRAVITAS) @ FAPP2131342213**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2131342213] Hayhurst NM Section 2 SWD Facility**

Location of Release Source	
Site Name	**Hayhurst NM Section 2 SWD (Gravitas)**
Date Release Discovered	**05/12/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,387
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/09/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Inderveer 432-313-1921; samples will be collected until 10/13/2025.
Please provide any information necessary for navigation to sampling site	32.066375, -104.165094

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510485
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/30/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/30/2025

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QUESTIONS

Action 510487

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510487
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2514142619**
Incident Name	**NAPP2514142619 HAYHURST NM SECTION 2 SWD (GRAVITAS) @ FAPP2131342213**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2131342213] Hayhurst NM Section 2 SWD Facility**

Location of Release Source	
Site Name	**Hayhurst NM Section 2 SWD (Gravitas)**
Date Release Discovered	**05/12/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,387
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/10/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Inderveer 432-313-1921; samples will be collected until 10/13/2025.
Please provide any information necessary for navigation to sampling site	32.066375, -104.165094

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CONDITIONS

Action 510487

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510487
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/30/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/30/2025

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QUESTIONS

Action 510490

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510490
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2514142619**
Incident Name	**NAPP2514142619 HAYHURST NM SECTION 2 SWD (GRAVITAS) @ FAPP2131342213**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2131342213] Hayhurst NM Section 2 SWD Facility**

Location of Release Source	
Site Name	**Hayhurst NM Section 2 SWD (Gravitas)**
Date Release Discovered	**05/12/2025**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	3,387
What is the estimated number of samples that will be gathered	21
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/13/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Inderveer 432-313-1921; samples will be collected until 10/13/2025.
Please provide any information necessary for navigation to sampling site	32.066375, -104.165094

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CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 510490
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
klincoln	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/30/2025
klincoln	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/30/2025

Appendix E

Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/8/2025 2:18:10 PM

JOB DESCRIPTION

Gravitas SWD Still 4
25-0101-02

JOB NUMBER

890-8919-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

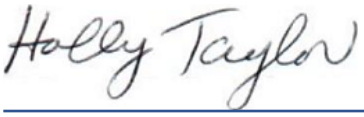
Eurofins Carlsbad

Job Notes

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

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

Authorization



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10/8/2025 2:18:10 PM

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

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Laboratory Job ID: 890-8919-1
SDG: 25-0101-02

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc.
Job ID: 890-8919-1
Project/Site: Gravitas SWD Still 4
SDG: 25-0101-02

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
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. Job ID: 890-8919-1
Project: Gravitas SWD Still 4

Job ID: 890-8919-1 Eurofins Carlsbad

Job Narrative
890-8919-1

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 10/7/2025 3:54 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 8.4°C.

Receipt Exceptions
The following samples analyzed for method 8015 TPH were received and analyzed from an unpreserved bulk soil jar: C-1 2' (890-8919-1), C-2 2' (890-8919-2), C-3 2' (890-8919-3), C-5 2' (890-8919-4), C-8 2' (890-8919-5) and C-9 2' (890-8919-6).

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

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Client Sample ID: C-1 2'

Date Collected: 10/07/25 12:12
Date Received: 10/07/25 15:54

Lab Sample ID: 890-8919-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 12:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 12:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 12:11	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/08/25 08:35	10/08/25 12:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 12:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/25 08:35	10/08/25 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/08/25 08:35*	*10/08/25 12:11*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/08/25 08:35*	*10/08/25 12:11*	*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			10/08/25 12:11	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			10/08/25 10:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/08/25 07:35	10/08/25 10:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/25 07:35	10/08/25 10:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/25 07:35	10/08/25 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*82*		*70 - 130*	*10/08/25 07:35*	*10/08/25 10:05*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*10/08/25 07:35*	*10/08/25 10:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**351**		10.1		mg/Kg			10/08/25 09:29	1

Client Sample ID: C-2 2'

Date Collected: 10/07/25 12:17
Date Received: 10/07/25 15:54

Lab Sample ID: 890-8919-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/08/25 08:35	10/08/25 12:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/08/25 08:35	10/08/25 12:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/08/25 08:35	10/08/25 12:31	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/08/25 08:35	10/08/25 12:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/08/25 08:35	10/08/25 12:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/08/25 08:35	10/08/25 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/08/25 08:35*	*10/08/25 12:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/08/25 08:35*	*10/08/25 12:31*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Client Sample ID: C-2 2'

Date Collected: 10/07/25 12:17
Date Received: 10/07/25 15:54

Lab Sample ID: 890-8919-2
Matrix: Solid

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			10/08/25 12:31	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			10/08/25 10:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/08/25 07:35	10/08/25 10:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/25 07:35	10/08/25 10:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/25 07:35	10/08/25 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*86*		*70 - 130*	*10/08/25 07:35*	*10/08/25 10:47*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*10/08/25 07:35*	*10/08/25 10:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**370**		9.96		mg/Kg			10/08/25 09:34	1

Client Sample ID: C-3 2'

Date Collected: 10/07/25 12:19
Date Received: 10/07/25 15:54

Lab Sample ID: 890-8919-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/08/25 08:35	10/08/25 12:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/08/25 08:35	10/08/25 12:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/08/25 08:35	10/08/25 12:52	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		10/08/25 08:35	10/08/25 12:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/08/25 08:35	10/08/25 12:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/08/25 08:35	10/08/25 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/08/25 08:35*	*10/08/25 12:52*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/08/25 08:35*	*10/08/25 12:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/08/25 12:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/08/25 11:02	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U	49.8		mg/Kg		10/08/25 07:35	10/08/25 11:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/25 07:35	10/08/25 11:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/25 07:35	10/08/25 11:02	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Client Sample ID: C-3 2'

Lab Sample ID: 890-8919-3
Matrix: Solid
Date Collected: 10/07/25 12:19
Date Received: 10/07/25 15:54

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*83*		*70 - 130*	*10/08/25 07:35*	*10/08/25 11:02*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*10/08/25 07:35*	*10/08/25 11:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**663**		10.1		mg/Kg			10/08/25 09:39	1

Client Sample ID: C-5 2'

Lab Sample ID: 890-8919-4
Matrix: Solid
Date Collected: 10/07/25 12:23
Date Received: 10/07/25 15:54

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		10/08/25 08:35	10/08/25 13:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/08/25 08:35	10/08/25 13:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/08/25 08:35	10/08/25 13:12	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/08/25 08:35	10/08/25 13:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/08/25 08:35	10/08/25 13:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/08/25 08:35	10/08/25 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/08/25 08:35*	*10/08/25 13:12*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/08/25 08:35*	*10/08/25 13:12*	*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			10/08/25 13:12	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			10/08/25 11:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/08/25 07:35	10/08/25 11:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/08/25 07:35	10/08/25 11:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/08/25 07:35	10/08/25 11:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*82*		*70 - 130*	*10/08/25 07:35*	*10/08/25 11:16*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*10/08/25 07:35*	*10/08/25 11:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**628**		10.1		mg/Kg			10/08/25 09:44	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Client Sample ID: C-8 2'

Lab Sample ID: 890-8919-5
Matrix: Solid
Date Collected: 10/07/25 12:35
Date Received: 10/07/25 15:54

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		10/08/25 08:35	10/08/25 13:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 13:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 13:33	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/08/25 08:35	10/08/25 13:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 13:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/08/25 08:35	10/08/25 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/08/25 08:35*	*10/08/25 13:33*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/08/25 08:35*	*10/08/25 13:33*	*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			10/08/25 13:33	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			10/08/25 11:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U	49.8		mg/Kg		10/08/25 07:35	10/08/25 11:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/08/25 07:35	10/08/25 11:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/08/25 07:35	10/08/25 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*10/08/25 07:35*	*10/08/25 11:30*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*10/08/25 07:35*	*10/08/25 11:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**366**		10.0		mg/Kg			10/08/25 09:50	1

Client Sample ID: C-9 2'

Lab Sample ID: 890-8919-6
Matrix: Solid
Date Collected: 10/07/25 12:37
Date Received: 10/07/25 15:54

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		10/08/25 08:35	10/08/25 13:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/08/25 08:35	10/08/25 13:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/08/25 08:35	10/08/25 13:53	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		10/08/25 08:35	10/08/25 13:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/08/25 08:35	10/08/25 13:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/08/25 08:35	10/08/25 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/08/25 08:35*	*10/08/25 13:53*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/08/25 08:35*	*10/08/25 13:53*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Client Sample ID: C-9 2'
Date Collected: 10/07/25 12:37
Date Received: 10/07/25 15:54

Lab Sample ID: 890-8919-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/08/25 13:53	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			10/08/25 11:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		10/08/25 07:35	10/08/25 11:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/08/25 07:35	10/08/25 11:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/08/25 07:35	10/08/25 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*85*		*70 - 130*	*10/08/25 07:35*	*10/08/25 11:44*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*10/08/25 07:35*	*10/08/25 11:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**546**		10.1		mg/Kg			10/08/25 09:55	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8919-1	C-1 2'	103	98
890-8919-1 MS	C-1 2'	101	104
890-8919-1 MSD	C-1 2'	102	104
890-8919-2	C-2 2'	100	99
890-8919-3	C-3 2'	99	95
890-8919-4	C-5 2'	99	97
890-8919-5	C-8 2'	101	95
890-8919-6	C-9 2'	99	99
LCS 880-120705/1-A	Lab Control Sample	97	102
LCSD 880-120705/2-A	Lab Control Sample Dup	98	104
MB 880-120705/5-A	Method Blank	101	95

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8919-1	C-1 2'	82	106
890-8919-1 MS	C-1 2'	95	107
890-8919-1 MSD	C-1 2'	95	107
890-8919-2	C-2 2'	86	112
890-8919-3	C-3 2'	83	106
890-8919-4	C-5 2'	82	104
890-8919-5	C-8 2'	80	103
890-8919-6	C-9 2'	85	109
LCS 880-120692/2-A	Lab Control Sample	79	87
LCSD 880-120692/3-A	Lab Control Sample Dup	79	88
MB 880-120692/1-A	Method Blank	80	104

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120705/5-A
Matrix: Solid
Analysis Batch: 120699

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120705

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 11:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/08/25 08:35	10/08/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/08/25 08:35	10/08/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/08/25 08:35	10/08/25 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/08/25 08:35*	*10/08/25 11:49*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/08/25 08:35*	*10/08/25 11:49*	*1*

Lab Sample ID: LCS 880-120705/1-A
Matrix: Solid
Analysis Batch: 120699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120705

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09482		mg/Kg		95	70 - 130		
Toluene			0.100	0.08470		mg/Kg		85	70 - 130		
Ethylbenzene			0.100	0.09256		mg/Kg		93	70 - 130		
m,p-Xylenes			0.200	0.1822		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.08916		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-120705/2-A
Matrix: Solid
Analysis Batch: 120699

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120705

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09527		mg/Kg		95	70 - 130	0	35
Toluene			0.100	0.08578		mg/Kg		86	70 - 130	1	35
Ethylbenzene			0.100	0.09386		mg/Kg		94	70 - 130	1	35
m,p-Xylenes			0.200	0.1838		mg/Kg		92	70 - 130	1	35
o-Xylene			0.100	0.09051		mg/Kg		91	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-8919-1 MS
Matrix: Solid
Analysis Batch: 120699

Client Sample ID: C-1 2'
Prep Type: Total/NA
Prep Batch: 120705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08471		mg/Kg		85	70 - 130		
Toluene	<0.00200	U	0.100	0.07884		mg/Kg		79	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

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

Lab Sample ID: 890-8919-1 MS
Matrix: Solid
Analysis Batch: 120699

Client Sample ID: C-1 2'
Prep Type: Total/NA
Prep Batch: 120705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08814		mg/Kg		88	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1717		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.100	0.08558		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-8919-1 MSD
Matrix: Solid
Analysis Batch: 120699

Client Sample ID: C-1 2'
Prep Type: Total/NA
Prep Batch: 120705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1029		mg/Kg		103	70 - 130	19	35
Toluene	<0.00200	U	0.100	0.09201		mg/Kg		92	70 - 130	15	35
Ethylbenzene	<0.00200	U	0.100	0.1008		mg/Kg		101	70 - 130	13	35
m,p-Xylenes	<0.00399	U	0.200	0.1966		mg/Kg		98	70 - 130	14	35
o-Xylene	<0.00200	U	0.100	0.09603		mg/Kg		96	70 - 130	12	35

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

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

Lab Sample ID: MB 880-120692/1-A
Matrix: Solid
Analysis Batch: 120706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120692

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0	mg/Kg		10/08/25 07:35	10/08/25 03:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/08/25 07:35	10/08/25 03:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/08/25 07:35	10/08/25 03:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*10/08/25 07:35*	*10/08/25 03:20*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*10/08/25 07:35*	*10/08/25 03:20*	*1*

Lab Sample ID: LCS 880-120692/2-A
Matrix: Solid
Analysis Batch: 120706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	1000	765.0		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	1000	838.3		mg/Kg		84	70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

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

Lab Sample ID: LCS 880-120692/2-A
Matrix: Solid
Analysis Batch: 120706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120692

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	87		70 - 130

Lab Sample ID: LCSD 880-120692/3-A
Matrix: Solid
Analysis Batch: 120706

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120692

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1000	765.4		mg/Kg		77	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	838.8		mg/Kg		84	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	88		70 - 130

Lab Sample ID: 890-8919-1 MS
Matrix: Solid
Analysis Batch: 120706

Client Sample ID: C-1 2'
Prep Type: Total/NA
Prep Batch: 120692

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	<50.0	U	997	830.3		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	877.6		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	95		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: 890-8919-1 MSD
Matrix: Solid
Analysis Batch: 120706

Client Sample ID: C-1 2'
Prep Type: Total/NA
Prep Batch: 120692

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<50.0	U	997	839.2		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	901.4		mg/Kg		88	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	95		70 - 130
o-Terphenyl (Surr)	107		70 - 130

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120702/1-A
Matrix: Solid
Analysis Batch: 120704

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/08/25 08:31	1

Lab Sample ID: LCS 880-120702/2-A
Matrix: Solid
Analysis Batch: 120704

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.1		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-120702/3-A
Matrix: Solid
Analysis Batch: 120704

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.3		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

GC VOA

Analysis Batch: 120699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8919-1	C-1 2'	Total/NA	Solid	8021B	120705
890-8919-2	C-2 2'	Total/NA	Solid	8021B	120705
890-8919-3	C-3 2'	Total/NA	Solid	8021B	120705
890-8919-4	C-5 2'	Total/NA	Solid	8021B	120705
890-8919-5	C-8 2'	Total/NA	Solid	8021B	120705
890-8919-6	C-9 2'	Total/NA	Solid	8021B	120705
MB 880-120705/5-A	Method Blank	Total/NA	Solid	8021B	120705
LCS 880-120705/1-A	Lab Control Sample	Total/NA	Solid	8021B	120705
LCSD 880-120705/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120705
890-8919-1 MS	C-1 2'	Total/NA	Solid	8021B	120705
890-8919-1 MSD	C-1 2'	Total/NA	Solid	8021B	120705

Prep Batch: 120705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8919-1	C-1 2'	Total/NA	Solid	5035	
890-8919-2	C-2 2'	Total/NA	Solid	5035	
890-8919-3	C-3 2'	Total/NA	Solid	5035	
890-8919-4	C-5 2'	Total/NA	Solid	5035	
890-8919-5	C-8 2'	Total/NA	Solid	5035	
890-8919-6	C-9 2'	Total/NA	Solid	5035	
MB 880-120705/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120705/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120705/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8919-1 MS	C-1 2'	Total/NA	Solid	5035	
890-8919-1 MSD	C-1 2'	Total/NA	Solid	5035	

Analysis Batch: 120762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8919-1	C-1 2'	Total/NA	Solid	Total BTEX	
890-8919-2	C-2 2'	Total/NA	Solid	Total BTEX	
890-8919-3	C-3 2'	Total/NA	Solid	Total BTEX	
890-8919-4	C-5 2'	Total/NA	Solid	Total BTEX	
890-8919-5	C-8 2'	Total/NA	Solid	Total BTEX	
890-8919-6	C-9 2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 120692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8919-1	C-1 2'	Total/NA	Solid	8015NM Prep	
890-8919-2	C-2 2'	Total/NA	Solid	8015NM Prep	
890-8919-3	C-3 2'	Total/NA	Solid	8015NM Prep	
890-8919-4	C-5 2'	Total/NA	Solid	8015NM Prep	
890-8919-5	C-8 2'	Total/NA	Solid	8015NM Prep	
890-8919-6	C-9 2'	Total/NA	Solid	8015NM Prep	
MB 880-120692/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120692/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120692/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8919-1 MS	C-1 2'	Total/NA	Solid	8015NM Prep	
890-8919-1 MSD	C-1 2'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

GC Semi VOA

Analysis Batch: 120706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8919-1	C-1 2'	Total/NA	Solid	8015B NM	120692
890-8919-2	C-2 2'	Total/NA	Solid	8015B NM	120692
890-8919-3	C-3 2'	Total/NA	Solid	8015B NM	120692
890-8919-4	C-5 2'	Total/NA	Solid	8015B NM	120692
890-8919-5	C-8 2'	Total/NA	Solid	8015B NM	120692
890-8919-6	C-9 2'	Total/NA	Solid	8015B NM	120692
MB 880-120692/1-A	Method Blank	Total/NA	Solid	8015B NM	120692
LCS 880-120692/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120692
LCSD 880-120692/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120692
890-8919-1 MS	C-1 2'	Total/NA	Solid	8015B NM	120692
890-8919-1 MSD	C-1 2'	Total/NA	Solid	8015B NM	120692

Analysis Batch: 120763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8919-1	C-1 2'	Total/NA	Solid	8015 NM	
890-8919-2	C-2 2'	Total/NA	Solid	8015 NM	
890-8919-3	C-3 2'	Total/NA	Solid	8015 NM	
890-8919-4	C-5 2'	Total/NA	Solid	8015 NM	
890-8919-5	C-8 2'	Total/NA	Solid	8015 NM	
890-8919-6	C-9 2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 120702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8919-1	C-1 2'	Soluble	Solid	DI Leach	
890-8919-2	C-2 2'	Soluble	Solid	DI Leach	
890-8919-3	C-3 2'	Soluble	Solid	DI Leach	
890-8919-4	C-5 2'	Soluble	Solid	DI Leach	
890-8919-5	C-8 2'	Soluble	Solid	DI Leach	
890-8919-6	C-9 2'	Soluble	Solid	DI Leach	
MB 880-120702/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120702/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120702/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 120704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8919-1	C-1 2'	Soluble	Solid	300.0	120702
890-8919-2	C-2 2'	Soluble	Solid	300.0	120702
890-8919-3	C-3 2'	Soluble	Solid	300.0	120702
890-8919-4	C-5 2'	Soluble	Solid	300.0	120702
890-8919-5	C-8 2'	Soluble	Solid	300.0	120702
890-8919-6	C-9 2'	Soluble	Solid	300.0	120702
MB 880-120702/1-A	Method Blank	Soluble	Solid	300.0	120702
LCS 880-120702/2-A	Lab Control Sample	Soluble	Solid	300.0	120702
LCSD 880-120702/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120702

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Client Sample ID: C-1 2'

Lab Sample ID: 890-8919-1
Matrix: Solid
Date Collected: 10/07/25 12:12
Date Received: 10/07/25 15:54

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	120705	10/08/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120699	10/08/25 12:11	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120762	10/08/25 12:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			120763	10/08/25 10:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	120692	10/08/25 07:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120706	10/08/25 10:05	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	120702	10/08/25 07:45	SI	EET MID
Soluble	Analysis	300.0		1			120704	10/08/25 09:29	CS	EET MID

Client Sample ID: C-2 2'

Lab Sample ID: 890-8919-2
Matrix: Solid
Date Collected: 10/07/25 12:17
Date Received: 10/07/25 15:54

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	120705	10/08/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120699	10/08/25 12:31	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120762	10/08/25 12:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			120763	10/08/25 10:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120692	10/08/25 07:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120706	10/08/25 10:47	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120702	10/08/25 07:45	SI	EET MID
Soluble	Analysis	300.0		1			120704	10/08/25 09:34	CS	EET MID

Client Sample ID: C-3 2'

Lab Sample ID: 890-8919-3
Matrix: Solid
Date Collected: 10/07/25 12:19
Date Received: 10/07/25 15:54

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	120705	10/08/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120699	10/08/25 12:52	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120762	10/08/25 12:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			120763	10/08/25 11:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	120692	10/08/25 07:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120706	10/08/25 11:02	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120702	10/08/25 07:45	SI	EET MID
Soluble	Analysis	300.0		1			120704	10/08/25 09:39	CS	EET MID

Client Sample ID: C-5 2'

Lab Sample ID: 890-8919-4
Matrix: Solid
Date Collected: 10/07/25 12:23
Date Received: 10/07/25 15:54

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	120705	10/08/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120699	10/08/25 13:12	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120762	10/08/25 13:12	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Client Sample ID: C-5 2'

Lab Sample ID: 890-8919-4
Matrix: Solid
Date Collected: 10/07/25 12:23
Date Received: 10/07/25 15:54

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			120763	10/08/25 11:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120692	10/08/25 07:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120706	10/08/25 11:16	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	120702	10/08/25 07:45	SI	EET MID
Soluble	Analysis	300.0		1			120704	10/08/25 09:44	CS	EET MID

Client Sample ID: C-8 2'

Lab Sample ID: 890-8919-5
Matrix: Solid
Date Collected: 10/07/25 12:35
Date Received: 10/07/25 15:54

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	120705	10/08/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120699	10/08/25 13:33	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120762	10/08/25 13:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			120763	10/08/25 11:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120692	10/08/25 07:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120706	10/08/25 11:30	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	120702	10/08/25 07:45	SI	EET MID
Soluble	Analysis	300.0		1			120704	10/08/25 09:50	CS	EET MID

Client Sample ID: C-9 2'

Lab Sample ID: 890-8919-6
Matrix: Solid
Date Collected: 10/07/25 12:37
Date Received: 10/07/25 15:54

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	120705	10/08/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120699	10/08/25 13:53	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120762	10/08/25 13:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			120763	10/08/25 11:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120692	10/08/25 07:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120706	10/08/25 11:44	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120702	10/08/25 07:45	SI	EET MID
Soluble	Analysis	300.0		1			120704	10/08/25 09:55	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: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

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: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

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: Gravitas SWD Still 4

Job ID: 890-8919-1
SDG: 25-0101-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-8919-1	C-1 2'	Solid	10/07/25 12:12	10/07/25 15:54	New Mexico
890-8919-2	C-2 2'	Solid	10/07/25 12:17	10/07/25 15:54	New Mexico
890-8919-3	C-3 2'	Solid	10/07/25 12:19	10/07/25 15:54	New Mexico
890-8919-4	C-5 2'	Solid	10/07/25 12:23	10/07/25 15:54	New Mexico
890-8919-5	C-8 2'	Solid	10/07/25 12:35	10/07/25 15:54	New Mexico
890-8919-6	C-9 2'	Solid	10/07/25 12:37	10/07/25 15:54	New Mexico

No. 3520

CHAIN-OF-CUSTODY

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

DATE: 10/7/2025

PO#:

PROJECT LOCATION OR NAME:

LAI PROJECT #: 25-010

890-8919 Chain of Custody

Data Reported to: DANIEL ST. GERMAIN / MARK LARSON

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT / NM

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

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESSERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | OIL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-1 2'		10/7/25	12:12 pm	S	1				X		X			X	X	X												X		
C-2 2'		"	12:17 pm	"	"				"		"			"	"	"												"		
C-3 2'		"	12:19 pm	"	"				"		"			"	"	"												"		
C-5 2'		"	12:23 pm	"	"				"		"			"	"	"												"		
C-8 2'		"	12:35 pm	"	"				"		"			"	"	"												"		
C-9 2'		"	12:37 pm	"	"				"		"			"	"	"												"		

TOTAL 6

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
	15:54	
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: EUROFINS

TURN AROUND TIME

NORMAL ☐
1 DAY ☒
2 DAY ☐
OTHER ☐ RUSH

LABORATORY USE ONLY:

RECEIVING TEMP: 8.6 THERM#: TNMOC7

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

☐ CARRIER BILL #

☐ HAND DELIVERED

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Taylor, Holly	Carrier Tracking No(s): N/A	COC No: 890-5974.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Holly.Taylor@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8919-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 10/8/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: gravitas spill	Project #: 88000254			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX - LL	8015MOD_Calc	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
C-1 2 (890-8919-1)	10/7/25	12:12 Mountain	G	Solid			X	X	X	X	X	1	
C-2 2 (890-8919-2)	10/7/25	12:17 Mountain	G	Solid			X	X	X	X	X	1	
C-3 2 (890-8919-3)	10/7/25	12:19 Mountain	G	Solid			X	X	X	X	X	1	
C-5 2 (890-8919-4)	10/7/25	12:23 Mountain	G	Solid			X	X	X	X	X	1	
C-8 2 (890-8919-5)	10/7/25	12:35 Mountain	G	Solid			X	X	X	X	X	1	
C-9 2 (890-8919-6)	10/7/25	12:37 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 4:31 10/7	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/8/25 800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.2 3.1 -1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-8919-1
SDG Number: 25-0101-02

Login Number: 8919
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	Received same day of collection; chilling process has begun.
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-8919-1
SDG Number: 25-0101-02

Login Number: 8919
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 10/08/25 07:47 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/14/2025 5:10:42 PM

JOB DESCRIPTION

Gravitas Spill #4
25-0101-02

JOB NUMBER

890-8922-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

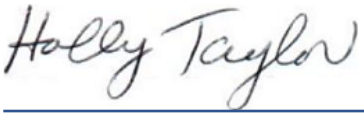
Eurofins Carlsbad

Job Notes

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

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

Authorization



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10/14/2025 5:10:42 PM

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

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Laboratory Job ID: 890-8922-1
SDG: 25-0101-02

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 890-8922-1
Project/Site: Gravitas Spill #4 SDG: 25-0101-02

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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. Job ID: 890-8922-1
Project: Gravitas Spill #4

Job ID: 890-8922-1 Eurofins Carlsbad

Job Narrative
890-8922-1

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 10/8/2025 3:35 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 1.0°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: C-6 3' (890-8922-3), C-19 0-3' (890-8922-5) and (880-63607-A-1-I). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120409 and analytical batch 880-120895 was outside the upper control limits.

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

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

Client Sample ID: C-13 1'
Date Collected: 10/08/25 08:12
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/09/25 09:09	10/09/25 21:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/09/25 09:09	10/09/25 21:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/09/25 09:09	10/09/25 21:28	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		10/09/25 09:09	10/09/25 21:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/09/25 09:09	10/09/25 21:28	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/09/25 09:09	10/09/25 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/09/25 09:09*	*10/09/25 21:28*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/09/25 09:09*	*10/09/25 21:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/09/25 21:28	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			10/10/25 17:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		10/09/25 09:46	10/10/25 17:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/25 09:46	10/10/25 17:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/25 09:46	10/10/25 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*10/09/25 09:46*	*10/10/25 17:41*	*1*
o-Terphenyl (Surr)	*106*		*70 - 130*	*10/09/25 09:46*	*10/10/25 17:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**535**		9.96		mg/Kg			10/09/25 19:47	1

Client Sample ID: C-4 3'
Date Collected: 10/08/25 13:07
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/09/25 09:09	10/09/25 21:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/09/25 09:09	10/09/25 21:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/09/25 09:09	10/09/25 21:48	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/09/25 09:09	10/09/25 21:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/09/25 09:09	10/09/25 21:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/09/25 09:09	10/09/25 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/09/25 09:09*	*10/09/25 21:48*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/09/25 09:09*	*10/09/25 21:48*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

Client Sample ID: C-4 3'

Date Collected: 10/08/25 13:07
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-2

Matrix: Solid

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			10/09/25 21:48	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			10/10/25 18:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		10/09/25 09:46	10/10/25 18:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/25 09:46	10/10/25 18:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/25 09:46	10/10/25 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*10/09/25 09:46*	*10/10/25 18:23*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*10/09/25 09:46*	*10/10/25 18:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**324**		9.92		mg/Kg			10/09/25 19:52	1

Client Sample ID: C-6 3'

Date Collected: 10/08/25 13:12
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/10/25 09:38	10/10/25 18:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/25 09:38	10/10/25 18:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/25 09:38	10/10/25 18:00	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/10/25 09:38	10/10/25 18:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/25 09:38	10/10/25 18:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/25 09:38	10/10/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*10/10/25 09:38*	*10/10/25 18:00*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/10/25 09:38*	*10/10/25 18:00*	*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			10/10/25 18:00	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			10/10/25 18:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		10/09/25 09:46	10/10/25 18:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/25 09:46	10/10/25 18:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/25 09:46	10/10/25 18:38	1

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Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

Client Sample ID: C-6 3'
Date Collected: 10/08/25 13:12
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-3
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*10/09/25 09:46*	*10/10/25 18:38*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*10/09/25 09:46*	*10/10/25 18:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**425**		10.0		mg/Kg			10/09/25 19:58	1

Client Sample ID: C-7 3
Date Collected: 10/08/25 13:16
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/10/25 09:38	10/10/25 18:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/25 09:38	10/10/25 18:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/25 09:38	10/10/25 18:21	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/10/25 09:38	10/10/25 18:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/25 09:38	10/10/25 18:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/10/25 09:38	10/10/25 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*10/10/25 09:38*	*10/10/25 18:21*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/10/25 09:38*	*10/10/25 18:21*	*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			10/10/25 18:21	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			10/10/25 18:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/09/25 09:46	10/10/25 18:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/25 09:46	10/10/25 18:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/25 09:46	10/10/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*10/09/25 09:46*	*10/10/25 18:52*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*10/09/25 09:46*	*10/10/25 18:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**535**		10.0		mg/Kg			10/09/25 20:03	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

Client Sample ID: C-19 0-3'

Date Collected: 10/08/25 13:21
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/10/25 09:38	10/10/25 18:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/10/25 09:38	10/10/25 18:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/10/25 09:38	10/10/25 18:41	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/10/25 09:38	10/10/25 18:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/10/25 09:38	10/10/25 18:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/10/25 09:38	10/10/25 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*10/10/25 09:38*	*10/10/25 18:41*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*10/10/25 09:38*	*10/10/25 18:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/10/25 18:41	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			10/10/25 19:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/09/25 09:46	10/10/25 19:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/25 09:46	10/10/25 19:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/25 09:46	10/10/25 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*80*		*70 - 130*	*10/09/25 09:46*	*10/10/25 19:05*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*10/09/25 09:46*	*10/10/25 19:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**549**		10.0		mg/Kg			10/09/25 20:08	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

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)
890-8922-1	C-13 1'	99	106
890-8922-2	C-4 3'	102	108
890-8922-3	C-6 3'	60 S1-	70
890-8922-4	C-7 3	125	84
890-8922-5	C-19 0-3'	65 S1-	81
LCS 880-120409/1-A	Lab Control Sample	112	86
LCS 880-120793/1-A	Lab Control Sample	96	105
LCSD 880-120409/2-A	Lab Control Sample Dup	114	85
LCSD 880-120793/2-A	Lab Control Sample Dup	102	107
MB 880-120409/5-A	Method Blank	136 S1+	83
MB 880-120793/5-A	Method Blank	91	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8922-1	C-13 1'	84	106
890-8922-1 MS	C-13 1'	91	101
890-8922-1 MSD	C-13 1'	89	102
890-8922-2	C-4 3'	80	99
890-8922-3	C-6 3'	80	100
890-8922-4	C-7 3	84	105
890-8922-5	C-19 0-3'	80	98
LCS 880-120802/2-A	Lab Control Sample	88	101
LCSD 880-120802/3-A	Lab Control Sample Dup	86	98
MB 880-120802/1-A	Method Blank	72	91

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120409/5-A
Matrix: Solid
Analysis Batch: 120895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120409

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/09/25 09:38	10/10/25 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*10/09/25 09:38*	*10/10/25 11:39*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*10/09/25 09:38*	*10/10/25 11:39*	*1*

Lab Sample ID: LCS 880-120409/1-A
Matrix: Solid
Analysis Batch: 120895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120409

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1062		mg/Kg		106	70 - 130		
Toluene			0.100	0.1025		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.1055		mg/Kg		105	70 - 130		
m,p-Xylenes			0.200	0.2142		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1077		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: LCSD 880-120409/2-A
Matrix: Solid
Analysis Batch: 120895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120409

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1037		mg/Kg		104	70 - 130	2	35
Toluene			0.100	0.09925		mg/Kg		99	70 - 130	3	35
Ethylbenzene			0.100	0.1020		mg/Kg		102	70 - 130	3	35
m,p-Xylenes			0.200	0.2069		mg/Kg		103	70 - 130	4	35
o-Xylene			0.100	0.1047		mg/Kg		105	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: MB 880-120793/5-A
Matrix: Solid
Analysis Batch: 120784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120793

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:09	10/09/25 13:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:09	10/09/25 13:10	1

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

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

Lab Sample ID: MB 880-120793/5-A
Matrix: Solid
Analysis Batch: 120784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120793

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:09	10/09/25 13:10	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/09/25 09:09	10/09/25 13:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:09	10/09/25 13:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/09/25 09:09	10/09/25 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*10/09/25 09:09*	*10/09/25 13:10*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/09/25 09:09*	*10/09/25 13:10*	*1*

Lab Sample ID: LCS 880-120793/1-A
Matrix: Solid
Analysis Batch: 120784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120793

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1170		mg/Kg		117	70 - 130		
Toluene			0.100	0.09141		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.09157		mg/Kg		92	70 - 130		
m,p-Xylenes			0.200	0.1820		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09174		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-120793/2-A
Matrix: Solid
Analysis Batch: 120784

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120793

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1262		mg/Kg		126	70 - 130	8	35
Toluene			0.100	0.09907		mg/Kg		99	70 - 130	8	35
Ethylbenzene			0.100	0.09979		mg/Kg		100	70 - 130	9	35
m,p-Xylenes			0.200	0.1998		mg/Kg		100	70 - 130	9	35
o-Xylene			0.100	0.09955		mg/Kg		100	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

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

Lab Sample ID: MB 880-120802/1-A
Matrix: Solid
Analysis Batch: 120901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120802

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/09/25 09:45	10/10/25 16:16	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

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

Lab Sample ID: MB 880-120802/1-A
Matrix: Solid
Analysis Batch: 120901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120802

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/25 09:45	10/10/25 16:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/25 09:45	10/10/25 16:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*72*		*70 - 130*	*10/09/25 09:45*	*10/10/25 16:16*	*1*
o-Terphenyl (Surr)	*91*		*70 - 130*	*10/09/25 09:45*	*10/10/25 16:16*	*1*

Lab Sample ID: LCS 880-120802/2-A
Matrix: Solid
Analysis Batch: 120901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120802

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)			1000	762.5		mg/Kg		76	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	844.9		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*88*		*70 - 130*
o-Terphenyl (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-120802/3-A
Matrix: Solid
Analysis Batch: 120901

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120802

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1000	763.1		mg/Kg		76	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	848.0		mg/Kg		85	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*86*		*70 - 130*
o-Terphenyl (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-8922-1 MS
Matrix: Solid
Analysis Batch: 120901

Client Sample ID: C-13 1'
Prep Type: Total/NA
Prep Batch: 120802

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)	<49.9	U	999	766.0		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	905.7		mg/Kg		89	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*91*		*70 - 130*
o-Terphenyl (Surr)	*101*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

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

Lab Sample ID: 890-8922-1 MSD
Matrix: Solid
Analysis Batch: 120901

Client Sample ID: C-13 1'
Prep Type: Total/NA
Prep Batch: 120802

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<49.9	U	999	748.2		mg/Kg		75	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	884.7		mg/Kg		87	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*89*		*70 - 130*
o-Terphenyl (Surr)	*102*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120810/1-A
Matrix: Solid
Analysis Batch: 120846

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/09/25 17:36	1

Lab Sample ID: LCS 880-120810/2-A
Matrix: Solid
Analysis Batch: 120846

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	247.8		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-120810/3-A
Matrix: Solid
Analysis Batch: 120846

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	247.7		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

GC VOA

Prep Batch: 120409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-3	C-6 3'	Total/NA	Solid	5035	
890-8922-4	C-7 3	Total/NA	Solid	5035	
890-8922-5	C-19 0-3'	Total/NA	Solid	5035	
MB 880-120409/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120409/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120409/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 120784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-1	C-13 1'	Total/NA	Solid	8021B	120793
890-8922-2	C-4 3'	Total/NA	Solid	8021B	120793
MB 880-120793/5-A	Method Blank	Total/NA	Solid	8021B	120793
LCS 880-120793/1-A	Lab Control Sample	Total/NA	Solid	8021B	120793
LCSD 880-120793/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120793

Prep Batch: 120793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-1	C-13 1'	Total/NA	Solid	5035	
890-8922-2	C-4 3'	Total/NA	Solid	5035	
MB 880-120793/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120793/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120793/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 120895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-3	C-6 3'	Total/NA	Solid	8021B	120409
890-8922-4	C-7 3	Total/NA	Solid	8021B	120409
890-8922-5	C-19 0-3'	Total/NA	Solid	8021B	120409
MB 880-120409/5-A	Method Blank	Total/NA	Solid	8021B	120409
LCS 880-120409/1-A	Lab Control Sample	Total/NA	Solid	8021B	120409
LCSD 880-120409/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120409

Analysis Batch: 120950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-1	C-13 1'	Total/NA	Solid	Total BTEX	
890-8922-2	C-4 3'	Total/NA	Solid	Total BTEX	
890-8922-3	C-6 3'	Total/NA	Solid	Total BTEX	
890-8922-4	C-7 3	Total/NA	Solid	Total BTEX	
890-8922-5	C-19 0-3'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 120802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-1	C-13 1'	Total/NA	Solid	8015NM Prep	
890-8922-2	C-4 3'	Total/NA	Solid	8015NM Prep	
890-8922-3	C-6 3'	Total/NA	Solid	8015NM Prep	
890-8922-4	C-7 3	Total/NA	Solid	8015NM Prep	
890-8922-5	C-19 0-3'	Total/NA	Solid	8015NM Prep	
MB 880-120802/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120802/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

GC Semi VOA (Continued)

Prep Batch: 120802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-120802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8922-1 MS	C-13 1'	Total/NA	Solid	8015NM Prep	
890-8922-1 MSD	C-13 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 120901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-1	C-13 1'	Total/NA	Solid	8015B NM	120802
890-8922-2	C-4 3'	Total/NA	Solid	8015B NM	120802
890-8922-3	C-6 3'	Total/NA	Solid	8015B NM	120802
890-8922-4	C-7 3	Total/NA	Solid	8015B NM	120802
890-8922-5	C-19 0-3'	Total/NA	Solid	8015B NM	120802
MB 880-120802/1-A	Method Blank	Total/NA	Solid	8015B NM	120802
LCS 880-120802/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120802
LCSD 880-120802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120802
890-8922-1 MS	C-13 1'	Total/NA	Solid	8015B NM	120802
890-8922-1 MSD	C-13 1'	Total/NA	Solid	8015B NM	120802

Analysis Batch: 121123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-1	C-13 1'	Total/NA	Solid	8015 NM	
890-8922-2	C-4 3'	Total/NA	Solid	8015 NM	
890-8922-3	C-6 3'	Total/NA	Solid	8015 NM	
890-8922-4	C-7 3	Total/NA	Solid	8015 NM	
890-8922-5	C-19 0-3'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 120810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-1	C-13 1'	Soluble	Solid	DI Leach	
890-8922-2	C-4 3'	Soluble	Solid	DI Leach	
890-8922-3	C-6 3'	Soluble	Solid	DI Leach	
890-8922-4	C-7 3	Soluble	Solid	DI Leach	
890-8922-5	C-19 0-3'	Soluble	Solid	DI Leach	
MB 880-120810/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120810/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120810/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 120846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8922-1	C-13 1'	Soluble	Solid	300.0	120810
890-8922-2	C-4 3'	Soluble	Solid	300.0	120810
890-8922-3	C-6 3'	Soluble	Solid	300.0	120810
890-8922-4	C-7 3	Soluble	Solid	300.0	120810
890-8922-5	C-19 0-3'	Soluble	Solid	300.0	120810
MB 880-120810/1-A	Method Blank	Soluble	Solid	300.0	120810
LCS 880-120810/2-A	Lab Control Sample	Soluble	Solid	300.0	120810
LCSD 880-120810/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120810

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

Client Sample ID: C-13 1'
Date Collected: 10/08/25 08:12
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	120793	10/09/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120784	10/09/25 21:28	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120950	10/09/25 21:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			121123	10/10/25 17:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120802	10/09/25 09:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120901	10/10/25 17:41	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120810	10/09/25 10:11	SA	EET MID
Soluble	Analysis	300.0		1			120846	10/09/25 19:47	CS	EET MID

Client Sample ID: C-4 3'
Date Collected: 10/08/25 13:07
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-2
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	120793	10/09/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120784	10/09/25 21:48	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120950	10/09/25 21:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			121123	10/10/25 18:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120802	10/09/25 09:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120901	10/10/25 18:23	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	120810	10/09/25 10:11	SA	EET MID
Soluble	Analysis	300.0		1			120846	10/09/25 19:52	CS	EET MID

Client Sample ID: C-6 3'
Date Collected: 10/08/25 13:12
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-3
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	120409	10/10/25 09:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120895	10/10/25 18:00	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120950	10/10/25 18:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			121123	10/10/25 18:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120802	10/09/25 09:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120901	10/10/25 18:38	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	120810	10/09/25 10:11	SA	EET MID
Soluble	Analysis	300.0		1			120846	10/09/25 19:58	CS	EET MID

Client Sample ID: C-7 3
Date Collected: 10/08/25 13:16
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	120409	10/10/25 09:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120895	10/10/25 18:21	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120950	10/10/25 18:21	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

Client Sample ID: C-7 3

Date Collected: 10/08/25 13:16
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-4

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			121123	10/10/25 18:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	120802	10/09/25 09:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120901	10/10/25 18:52	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	120810	10/09/25 10:11	SA	EET MID
Soluble	Analysis	300.0		1			120846	10/09/25 20:03	CS	EET MID

Client Sample ID: C-19 0-3'

Date Collected: 10/08/25 13:21
Date Received: 10/08/25 15:35

Lab Sample ID: 890-8922-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	120409	10/10/25 09:38	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120895	10/10/25 18:41	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120950	10/10/25 18:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			121123	10/10/25 19:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120802	10/09/25 09:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120901	10/10/25 19:05	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	120810	10/09/25 10:11	SA	EET MID
Soluble	Analysis	300.0		1			120846	10/09/25 20:08	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: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

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: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

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: Gravitas Spill #4

Job ID: 890-8922-1
SDG: 25-0101-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-8922-1	C-13 1'	Solid	10/08/25 08:12	10/08/25 15:35	New Mexico
890-8922-2	C-4 3'	Solid	10/08/25 13:07	10/08/25 15:35	New Mexico
890-8922-3	C-6 3'	Solid	10/08/25 13:12	10/08/25 15:35	New Mexico
890-8922-4	C-7 3	Solid	10/08/25 13:16	10/08/25 15:35	New Mexico
890-8922-5	C-19 0-3'	Solid	10/08/25 13:21	10/08/25 15:35	New Mexico

890-8922 Chain of Custody

Larson & Associates, Inc.
Environmental Consultants

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

DATE: 10-8-2025
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: GRAVITAS SPILL #4
LAI PROJECT #: 25-0101-02 COLLECTOR: JR

Data Reported to:

TRRP report? ☐ Yes ☒ No

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

TIME ZONE: Time zone/State: MNT/TX

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ SemiVOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-13 1'		10/8/25	8:12 AM	S	1				X		X			X	X	X													X		
C-4 3'		"	1:07 pm	"	"				"		"			"	"	"													"		
C-6 3'		"	1:12 pm																												
C-7 3'		"	1:16 pm																												
C-19 0-3'		"	1:21 pm																												
TOTAL 5																															

RELINQUISHED BY:(Signature) DATE/TIME 10/8 RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)
LABORATORY: EUROFINS

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

LABORATORY USE ONLY:
RECEIVING TEMP: 1.2 THERM#: _____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Taylor, Holly	Carrier Tracking No(s): N/A	COC No: 890-5976.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Holly.Taylor@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8922-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 10/14/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: gravitas spill #4	Project #: 88000254			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX - LL	8015MOD_Calc	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
C-13 (890-8922-1)	10/8/25	08:12 Mountain	G	Solid			X	X	X	X	X	1	
C-4 (890-8922-2)	10/8/25	10:07 Mountain	G	Solid			X	X	X	X	X	1	
C-6 (890-8922-3)	10/8/25	01:12 Mountain	G	Solid			X	X	X	X	X	1	
C-7 (890-8922-4)	10/8/25	01:16 Mountain	G	Solid			X	X	X	X	X	1	
C-19 (890-8922-5)	10/8/25	01:21 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/10/25	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3-1/3.0 -.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-8922-1
SDG Number: 25-0101-02

Login Number: 8922
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-8922-1
SDG Number: 25-0101-02

Login Number: 8922
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 10/09/25 09:01 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/16/2025 3:03:10 PM

JOB DESCRIPTION

Gravitas Spill #4
25-0101-02

JOB NUMBER

890-8928-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

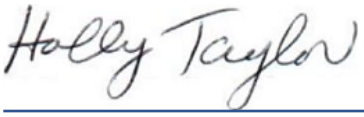
Eurofins Carlsbad

Job Notes

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

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

Authorization



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10/16/2025 3:03:10 PM

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

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Laboratory Job ID: 890-8928-1
SDG: 25-0101-02

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 890-8928-1
Project/Site: Gravitas Spill #4 SDG: 25-0101-02

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
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. Job ID: 890-8928-1
Project: Gravitas Spill #4

Job ID: 890-8928-1 Eurofins Carlsbad

Job Narrative
890-8928-1

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 sample was received on 10/9/2025 4:04 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: BF-1 (890-8928-1).

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

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

Client Sample ID: BF-1

Date Collected: 10/09/25 12:15
Date Received: 10/09/25 16:04

Lab Sample ID: 890-8928-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/10/25 10:23	10/10/25 17:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/10/25 10:23	10/10/25 17:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/10/25 10:23	10/10/25 17:27	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/10/25 10:23	10/10/25 17:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/10/25 10:23	10/10/25 17:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/10/25 10:23	10/10/25 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/10/25 10:23*	*10/10/25 17:27*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/10/25 10:23*	*10/10/25 17:27*	*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			10/10/25 17:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**64.7**		50.0		mg/Kg			10/15/25 00:04	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/10/25 16:49	10/15/25 00:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/25 16:49	10/15/25 00:04	1
Oil Range Organics (Over C28-C36)	**64.7**		50.0		mg/Kg		10/10/25 16:49	10/15/25 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*10/10/25 16:49*	*10/15/25 00:04*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*10/10/25 16:49*	*10/15/25 00:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.3**		9.92		mg/Kg			10/10/25 14:33	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8928-1	BF-1	106	106
LCS 880-120929/1-A	Lab Control Sample	101	105
LCSD 880-120929/2-A	Lab Control Sample Dup	92	107
MB 880-120929/5-A	Method Blank	95	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8928-1	BF-1	79	99
LCS 880-121007/2-A	Lab Control Sample	96	105
LCSD 880-121007/3-A	Lab Control Sample Dup	96	105
MB 880-121007/1-A	Method Blank	79	98

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120929/5-A
Matrix: Solid
Analysis Batch: 120894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120929

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/10/25 10:23	10/10/25 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/10/25 10:23*	*10/10/25 11:36*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/10/25 10:23*	*10/10/25 11:36*	*1*

Lab Sample ID: LCS 880-120929/1-A
Matrix: Solid
Analysis Batch: 120894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120929

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1154		mg/Kg		115	70 - 130		
Toluene			0.100	0.08994		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.08994		mg/Kg		90	70 - 130		
m,p-Xylenes			0.200	0.1826		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09136		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-120929/2-A
Matrix: Solid
Analysis Batch: 120894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120929

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1289		mg/Kg		129	70 - 130	11	35
Toluene			0.100	0.09575		mg/Kg		96	70 - 130	6	35
Ethylbenzene			0.100	0.09491		mg/Kg		95	70 - 130	5	35
m,p-Xylenes			0.200	0.1870		mg/Kg		93	70 - 130	2	35
o-Xylene			0.100	0.09167		mg/Kg		92	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

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

Lab Sample ID: MB 880-121007/1-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121007

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/10/25 16:49	10/14/25 17:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/25 16:49	10/14/25 17:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/25 16:49	10/14/25 17:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*10/10/25 16:49*	*10/14/25 17:50*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*10/10/25 16:49*	*10/14/25 17:50*	*1*

Lab Sample ID: LCS 880-121007/2-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121007

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)			1000	880.5		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1007		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*96*		*70 - 130*
o-Terphenyl (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-121007/3-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121007

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1000	872.4		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	972.2		mg/Kg		97	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*96*		*70 - 130*
o-Terphenyl (Surr)	*105*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120900/1-A
Matrix: Solid
Analysis Batch: 120928

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/10/25 12:48	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-120900/2-A
Matrix: Solid
Analysis Batch: 120928

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.9		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-120900/3-A
Matrix: Solid
Analysis Batch: 120928

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	258.3		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

GC VOA

Analysis Batch: 120894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8928-1	BF-1	Total/NA	Solid	8021B	120929
MB 880-120929/5-A	Method Blank	Total/NA	Solid	8021B	120929
LCS 880-120929/1-A	Lab Control Sample	Total/NA	Solid	8021B	120929
LCSD 880-120929/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120929

Prep Batch: 120929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8928-1	BF-1	Total/NA	Solid	5035	
MB 880-120929/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120929/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120929/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 121397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8928-1	BF-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 121007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8928-1	BF-1	Total/NA	Solid	8015NM Prep	
MB 880-121007/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121007/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121007/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 121068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8928-1	BF-1	Total/NA	Solid	8015B NM	121007
MB 880-121007/1-A	Method Blank	Total/NA	Solid	8015B NM	121007
LCS 880-121007/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121007
LCSD 880-121007/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121007

Analysis Batch: 121228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8928-1	BF-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 120900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8928-1	BF-1	Soluble	Solid	DI Leach	
MB 880-120900/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120900/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120900/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 120928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8928-1	BF-1	Soluble	Solid	300.0	120900
MB 880-120900/1-A	Method Blank	Soluble	Solid	300.0	120900
LCS 880-120900/2-A	Lab Control Sample	Soluble	Solid	300.0	120900
LCSD 880-120900/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120900

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

Client Sample ID: BF-1

Date Collected: 10/09/25 12:15
Date Received: 10/09/25 16:04

Lab Sample ID: 890-8928-1

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			5.03 g	5 mL	120929	10/10/25 10:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120894	10/10/25 17:27	EL	EET MID
Total/NA	Analysis	Total BTEX		1			121397	10/10/25 17:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			121228	10/15/25 00:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121007	10/10/25 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121068	10/15/25 00:04	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	120900	10/10/25 08:44	SA	EET MID
Soluble	Analysis	300.0		1			120928	10/10/25 14:33	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: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

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: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

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: Gravitas Spill #4

Job ID: 890-8928-1
SDG: 25-0101-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
890-8928-1	BF-1	Solid	10/09/25 12:15	10/09/25 16:04	New Mexico

No. 3523

ODY

890-8928 Chain of Custody

F 1

Larson & Associates, Inc.
Environmental Consultants

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

DATE: 10/9/2025

PO#:

LAB WORK ORDER #:

PROJECT LOCATION OR NAME: GRAVITAS SPILL #4

LAI PROJECT #: 25-0101-02 COLLECTOR: TR

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MNT / NM

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

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESSERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | OIL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒	MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
BF-1 0'		10/9/25	12:15pm	S	1				X		X			X	X	X													X				
TOTAL		1																															

RELINQUISHED BY:(Signature) Kal DATE/TIME 4:04 RECEIVED BY: (Signature) Aleh

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

LABORATORY: ENSPIN3

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

LABORATORY USE ONLY:
RECEIVING TEMP: 4.6 THERM#: IR007
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Taylor, Holly	Carrier Tracking No(s): N/A	COC No: 890-5982.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Holly.Taylor@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8928-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 10/15/2025			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: gravitas spill 4#	Project #: 88000254			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep(MOD) Full TPH	300_ORGFM_28D/DI_LEACH/Chloride	8021B/5035FP_Calc(MOD) BTEX - LL	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
BFf-1 (890-8928-1)	10/9/25	12:15 Mountain	G	Solid			X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/10/25	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2-2/2.1 -.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-8928-1
SDG Number: 25-0101-02

Login Number: 8928
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 890-8928-1
SDG Number: 25-0101-02

Login Number: 8928
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 10/10/25 10:17 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/17/2025 2:48:19 PM

JOB DESCRIPTION

Gravitas Spill #4
25-0101-02

JOB NUMBER

880-63749-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

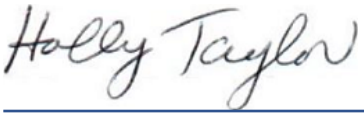
Eurofins Midland

Job Notes

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

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

Authorization



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10/17/2025 2:48:19 PM

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

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Laboratory Job ID: 880-63749-1
SDG: 25-0101-02

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-63749-1
Project/Site: Gravitas Spill #4 SDG: 25-0101-02

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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. Job ID: 880-63749-1
Project: Gravitas Spill #4

Job ID: 880-63749-1 Eurofins Midland

Job Narrative
880-63749-1

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 10/10/2025 4:48 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 5.3°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-18 2' (880-63749-1), C-17 2' (880-63749-2), C-16 2' (880-63749-3), C-5 3' (880-63749-4), C-3 3' (880-63749-5), C-20 0-2' (880-63749-6) and C-21 0-2' (880-63749-7)

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-121111 and analytical batch 880-121116 was outside the upper control limits.

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

Diesel Range Organics
Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-121349 recovered below the limit for Gasoline Range Organics (GRO). An acceptable CCV was ran within the 12 hour limit; therefore, the data have been reported. The associated sample is:(CCV 880-121349/6).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-121197 and analytical batch 880-121349 was outside the control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-121197/2-A). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Client Sample ID: C-18 2'

Lab Sample ID: 880-63749-1
Matrix: Solid
Date Collected: 10/10/25 08:12
Date Received: 10/10/25 16:48

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		10/14/25 07:43	10/14/25 14:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/25 07:43	10/14/25 14:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/25 07:43	10/14/25 14:50	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		10/14/25 07:43	10/14/25 14:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/25 07:43	10/14/25 14:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/25 07:43	10/14/25 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/14/25 07:43*	*10/14/25 14:50*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/14/25 07:43*	*10/14/25 14:50*	*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			10/14/25 14:50	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			10/15/25 05:31	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/13/25 08:35	10/15/25 05:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/13/25 08:35	10/15/25 05:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/13/25 08:35	10/15/25 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*10/13/25 08:35*	*10/15/25 05:31*	*1*
o-Terphenyl (Surr)	*97*		*70 - 130*	*10/13/25 08:35*	*10/15/25 05:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**224**		10.0		mg/Kg			10/14/25 12:05	1

Client Sample ID: C-17 2'

Lab Sample ID: 880-63749-2
Matrix: Solid
Date Collected: 10/10/25 09:27
Date Received: 10/10/25 16:48

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		10/14/25 07:43	10/14/25 15:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 15:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 15:10	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/14/25 07:43	10/14/25 15:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 15:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/25 07:43	10/14/25 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*10/14/25 07:43*	*10/14/25 15:10*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/14/25 07:43*	*10/14/25 15:10*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Client Sample ID: C-17 2'

Date Collected: 10/10/25 09:27
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/14/25 15:10	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			10/15/25 05:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		10/13/25 08:35	10/15/25 05:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/13/25 08:35	10/15/25 05:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/13/25 08:35	10/15/25 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*10/13/25 08:35*	*10/15/25 05:46*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*10/13/25 08:35*	*10/15/25 05:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		10.0		mg/Kg			10/14/25 12:21	1

Client Sample ID: C-16 2'

Date Collected: 10/10/25 09:29
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 15:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 15:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 15:31	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/14/25 07:43	10/14/25 15:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 15:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/25 07:43	10/14/25 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*10/14/25 07:43*	*10/14/25 15:31*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/14/25 07:43*	*10/14/25 15:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/14/25 15:31	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			10/15/25 06:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/13/25 08:35	10/15/25 06:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/13/25 08:35	10/15/25 06:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/13/25 08:35	10/15/25 06:00	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Client Sample ID: C-16 2'

Lab Sample ID: 880-63749-3
Matrix: Solid
Date Collected: 10/10/25 09:29
Date Received: 10/10/25 16:48

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*73*		*70 - 130*	*10/13/25 08:35*	*10/15/25 06:00*	*1*
o-Terphenyl (Surr)	*93*		*70 - 130*	*10/13/25 08:35*	*10/15/25 06:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**248**		10.1	mg/Kg			10/14/25 12:26	1

Client Sample ID: C-5 3'

Lab Sample ID: 880-63749-4
Matrix: Solid
Date Collected: 10/10/25 09:33
Date Received: 10/10/25 16:48

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		10/14/25 07:43	10/14/25 17:21	1
Toluene	<0.00198	U	0.00198	mg/Kg		10/14/25 07:43	10/14/25 17:21	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/14/25 07:43	10/14/25 17:21	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		10/14/25 07:43	10/14/25 17:21	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		10/14/25 07:43	10/14/25 17:21	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		10/14/25 07:43	10/14/25 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*10/14/25 07:43*	*10/14/25 17:21*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/14/25 07:43*	*10/14/25 17:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			10/14/25 17:21	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			10/15/25 06:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0	mg/Kg		10/13/25 08:35	10/15/25 06:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/13/25 08:35	10/15/25 06:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/13/25 08:35	10/15/25 06:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	*79*		*70 - 130*	*10/13/25 08:35*	*10/15/25 06:15*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*10/13/25 08:35*	*10/15/25 06:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		9.94	mg/Kg			10/14/25 12:32	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Client Sample ID: C-3 3'

Lab Sample ID: 880-63749-5
Matrix: Solid
Date Collected: 10/10/25 09:37
Date Received: 10/10/25 16:48

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		10/14/25 07:43	10/14/25 17:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 17:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 17:42	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		10/14/25 07:43	10/14/25 17:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 17:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/25 07:43	10/14/25 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/14/25 07:43*	*10/14/25 17:42*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/14/25 07:43*	*10/14/25 17:42*	*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			10/14/25 17:42	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			10/16/25 11:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 11:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 11:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/25 16:36	10/16/25 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*10/14/25 16:36*	*10/16/25 11:57*	*1*
o-Terphenyl (Surr)	*104*		*70 - 130*	*10/14/25 16:36*	*10/16/25 11:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**215**		9.96		mg/Kg			10/14/25 12:37	1

Client Sample ID: C-20 0-2'

Lab Sample ID: 880-63749-6
Matrix: Solid
Date Collected: 10/10/25 09:40
Date Received: 10/10/25 16:48

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		10/14/25 07:43	10/14/25 18:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 18:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 18:02	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/14/25 07:43	10/14/25 18:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 18:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/25 07:43	10/14/25 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*10/14/25 07:43*	*10/14/25 18:02*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*10/14/25 07:43*	*10/14/25 18:02*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Client Sample ID: C-20 0-2'

Date Collected: 10/10/25 09:40
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-6
Matrix: Solid

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			10/14/25 18:02	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			10/16/25 12:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 12:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 12:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*10/14/25 16:36*	*10/16/25 12:11*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*10/14/25 16:36*	*10/16/25 12:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		9.92		mg/Kg			10/14/25 12:53	1

Client Sample ID: C-21 0-2'

Date Collected: 10/10/25 09:44
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 18:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 18:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 18:22	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		10/14/25 07:43	10/14/25 18:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/25 07:43	10/14/25 18:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/25 07:43	10/14/25 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/14/25 07:43*	*10/14/25 18:22*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*10/14/25 07:43*	*10/14/25 18:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/14/25 18:22	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			10/16/25 12:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 12:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 12:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/25 16:36	10/16/25 12:27	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Client Sample ID: C-21 0-2'
Date Collected: 10/10/25 09:44
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-7
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	10/14/25 16:36	10/16/25 12:27	1
o-Terphenyl (Surr)	97		70 - 130	10/14/25 16:36	10/16/25 12:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	298		10.1		mg/Kg			10/14/25 12:58	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-63749-1	C-18 2'	116	110
880-63749-2	C-17 2'	129	111
880-63749-3	C-16 2'	124	109
880-63749-4	C-5 3'	88	110
880-63749-5	C-3 3'	121	115
880-63749-6	C-20 0-2'	123	117
880-63749-7	C-21 0-2'	119	117
LCS 880-121111/1-A	Lab Control Sample	104	107
LCSD 880-121111/2-A	Lab Control Sample Dup	107	103
MB 880-121111/5-A	Method Blank	201 S1+	115

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-63749-1	C-18 2'	79	97
880-63749-2	C-17 2'	74	95
880-63749-3	C-16 2'	73	93
880-63749-4	C-5 3'	79	101
880-63749-5	C-3 3'	94	104
880-63749-6	C-20 0-2'	92	100
880-63749-7	C-21 0-2'	90	97
LCS 880-121032/2-A	Lab Control Sample	97	108
LCS 880-121197/2-A	Lab Control Sample	133 S1+	123
LCSD 880-121032/3-A	Lab Control Sample Dup	98	108
LCSD 880-121197/3-A	Lab Control Sample Dup	95	107
MB 880-121032/1-A	Method Blank	83	101
MB 880-121197/1-A	Method Blank	69 S1-	77

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-121111/5-A
Matrix: Solid
Analysis Batch: 121116

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121111

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 11:58	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		10/14/25 07:43	10/14/25 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/25 07:43	10/14/25 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/25 07:43	10/14/25 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*201*	*S1+*	*70 - 130*	*10/14/25 07:43*	*10/14/25 11:58*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/14/25 07:43*	*10/14/25 11:58*	*1*

Lab Sample ID: LCS 880-121111/1-A
Matrix: Solid
Analysis Batch: 121116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121111

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1108		mg/Kg		111	70 - 130		
Toluene			0.100	0.08929		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.1298		mg/Kg		130	70 - 130		
m,p-Xylenes			0.200	0.2172		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1043		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-121111/2-A
Matrix: Solid
Analysis Batch: 121116

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121111

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1083		mg/Kg		108	70 - 130	2	35
Toluene			0.100	0.09966		mg/Kg		100	70 - 130	11	35
Ethylbenzene			0.100	0.1194		mg/Kg		119	70 - 130	8	35
m,p-Xylenes			0.200	0.2285		mg/Kg		114	70 - 130	5	35
o-Xylene			0.100	0.1099		mg/Kg		110	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

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

Lab Sample ID: MB 880-121032/1-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121032

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/13/25 08:35	10/15/25 01:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/13/25 08:35	10/15/25 01:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/13/25 08:35	10/15/25 01:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*10/13/25 08:35*	*10/15/25 01:00*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*10/13/25 08:35*	*10/15/25 01:00*	*1*

Lab Sample ID: LCS 880-121032/2-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121032

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)			1000	827.5		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	911.6		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*97*		*70 - 130*
o-Terphenyl (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-121032/3-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1000	827.0		mg/Kg		83	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	927.1		mg/Kg		93	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*98*		*70 - 130*
o-Terphenyl (Surr)	*108*		*70 - 130*

Lab Sample ID: MB 880-121197/1-A
Matrix: Solid
Analysis Batch: 121349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121197

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 03:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 03:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/25 16:36	10/16/25 03:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*69*	*S1-*	*70 - 130*	*10/14/25 16:36*	*10/16/25 03:06*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*10/14/25 16:36*	*10/16/25 03:06*	*1*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

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

Lab Sample ID: LCS 880-121197/2-A
Matrix: Solid
Analysis Batch: 121349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121197

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)			1000	981.2		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	904.2		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*133*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*123*		*70 - 130*

Lab Sample ID: LCSD 880-121197/3-A
Matrix: Solid
Analysis Batch: 121349

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121197

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1000	865.1		mg/Kg		87	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	803.7		mg/Kg		80	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*95*		*70 - 130*
o-Terphenyl (Surr)	*107*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-121083/1-A
Matrix: Solid
Analysis Batch: 121108

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/14/25 11:50	1

Lab Sample ID: LCS 880-121083/2-A
Matrix: Solid
Analysis Batch: 121108

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.2		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-121083/3-A
Matrix: Solid
Analysis Batch: 121108

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	255.7		mg/Kg		102	90 - 110	0	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-63749-1 MS
Matrix: Solid
Analysis Batch: 121108

Client Sample ID: C-18 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	224		250	469.8		mg/Kg		98	90 - 110		

Lab Sample ID: 880-63749-1 MSD
Matrix: Solid
Analysis Batch: 121108

Client Sample ID: C-18 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	224		250	471.1		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-63749-1
Project/Site: Gravitas Spill #4 SDG: 25-0101-02

GC VOA

Prep Batch: 121111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-1	C-18 2'	Total/NA	Solid	5035	
880-63749-2	C-17 2'	Total/NA	Solid	5035	
880-63749-3	C-16 2'	Total/NA	Solid	5035	
880-63749-4	C-5 3'	Total/NA	Solid	5035	
880-63749-5	C-3 3'	Total/NA	Solid	5035	
880-63749-6	C-20 0-2'	Total/NA	Solid	5035	
880-63749-7	C-21 0-2'	Total/NA	Solid	5035	
MB 880-121111/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-121111/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-121111/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 121116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-1	C-18 2'	Total/NA	Solid	8021B	121111
880-63749-2	C-17 2'	Total/NA	Solid	8021B	121111
880-63749-3	C-16 2'	Total/NA	Solid	8021B	121111
880-63749-4	C-5 3'	Total/NA	Solid	8021B	121111
880-63749-5	C-3 3'	Total/NA	Solid	8021B	121111
880-63749-6	C-20 0-2'	Total/NA	Solid	8021B	121111
880-63749-7	C-21 0-2'	Total/NA	Solid	8021B	121111
MB 880-121111/5-A	Method Blank	Total/NA	Solid	8021B	121111
LCS 880-121111/1-A	Lab Control Sample	Total/NA	Solid	8021B	121111
LCSD 880-121111/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	121111

Analysis Batch: 121264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-1	C-18 2'	Total/NA	Solid	Total BTEX	
880-63749-2	C-17 2'	Total/NA	Solid	Total BTEX	
880-63749-3	C-16 2'	Total/NA	Solid	Total BTEX	
880-63749-4	C-5 3'	Total/NA	Solid	Total BTEX	
880-63749-5	C-3 3'	Total/NA	Solid	Total BTEX	
880-63749-6	C-20 0-2'	Total/NA	Solid	Total BTEX	
880-63749-7	C-21 0-2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 121032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-1	C-18 2'	Total/NA	Solid	8015NM Prep	
880-63749-2	C-17 2'	Total/NA	Solid	8015NM Prep	
880-63749-3	C-16 2'	Total/NA	Solid	8015NM Prep	
880-63749-4	C-5 3'	Total/NA	Solid	8015NM Prep	
MB 880-121032/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121032/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121032/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 121068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-1	C-18 2'	Total/NA	Solid	8015B NM	121032
880-63749-2	C-17 2'	Total/NA	Solid	8015B NM	121032
880-63749-3	C-16 2'	Total/NA	Solid	8015B NM	121032

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

GC Semi VOA (Continued)

Analysis Batch: 121068 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-4	C-5 3'	Total/NA	Solid	8015B NM	121032
MB 880-121032/1-A	Method Blank	Total/NA	Solid	8015B NM	121032
LCS 880-121032/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121032
LCSD 880-121032/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121032

Prep Batch: 121197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-5	C-3 3'	Total/NA	Solid	8015NM Prep	
880-63749-6	C-20 0-2'	Total/NA	Solid	8015NM Prep	
880-63749-7	C-21 0-2'	Total/NA	Solid	8015NM Prep	
MB 880-121197/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121197/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 121231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-1	C-18 2'	Total/NA	Solid	8015 NM	
880-63749-2	C-17 2'	Total/NA	Solid	8015 NM	
880-63749-3	C-16 2'	Total/NA	Solid	8015 NM	
880-63749-4	C-5 3'	Total/NA	Solid	8015 NM	
880-63749-5	C-3 3'	Total/NA	Solid	8015 NM	
880-63749-6	C-20 0-2'	Total/NA	Solid	8015 NM	
880-63749-7	C-21 0-2'	Total/NA	Solid	8015 NM	

Analysis Batch: 121349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-5	C-3 3'	Total/NA	Solid	8015B NM	121197
880-63749-6	C-20 0-2'	Total/NA	Solid	8015B NM	121197
880-63749-7	C-21 0-2'	Total/NA	Solid	8015B NM	121197
MB 880-121197/1-A	Method Blank	Total/NA	Solid	8015B NM	121197
LCS 880-121197/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121197
LCSD 880-121197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121197

HPLC/IC

Leach Batch: 121083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-1	C-18 2'	Soluble	Solid	DI Leach	
880-63749-2	C-17 2'	Soluble	Solid	DI Leach	
880-63749-3	C-16 2'	Soluble	Solid	DI Leach	
880-63749-4	C-5 3'	Soluble	Solid	DI Leach	
880-63749-5	C-3 3'	Soluble	Solid	DI Leach	
880-63749-6	C-20 0-2'	Soluble	Solid	DI Leach	
880-63749-7	C-21 0-2'	Soluble	Solid	DI Leach	
MB 880-121083/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-121083/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-121083/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-63749-1 MS	C-18 2'	Soluble	Solid	DI Leach	
880-63749-1 MSD	C-18 2'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

HPLC/IC

Analysis Batch: 121108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-63749-1	C-18 2'	Soluble	Solid	300.0	121083
880-63749-2	C-17 2'	Soluble	Solid	300.0	121083
880-63749-3	C-16 2'	Soluble	Solid	300.0	121083
880-63749-4	C-5 3'	Soluble	Solid	300.0	121083
880-63749-5	C-3 3'	Soluble	Solid	300.0	121083
880-63749-6	C-20 0-2'	Soluble	Solid	300.0	121083
880-63749-7	C-21 0-2'	Soluble	Solid	300.0	121083
MB 880-121083/1-A	Method Blank	Soluble	Solid	300.0	121083
LCS 880-121083/2-A	Lab Control Sample	Soluble	Solid	300.0	121083
LCSD 880-121083/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	121083
880-63749-1 MS	C-18 2'	Soluble	Solid	300.0	121083
880-63749-1 MSD	C-18 2'	Soluble	Solid	300.0	121083

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Client Sample ID: C-18 2'
Date Collected: 10/10/25 08:12
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-1
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			5.03 g	5 mL	121111	10/14/25 07:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121116	10/14/25 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121264	10/14/25 14:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			121231	10/15/25 05:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121032	10/13/25 08:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121068	10/15/25 05:31	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	121083	10/13/25 14:29	SA	EET MID
Soluble	Analysis	300.0		1			121108	10/14/25 12:05	CS	EET MID

Client Sample ID: C-17 2'
Date Collected: 10/10/25 09:27
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-2
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			5.01 g	5 mL	121111	10/14/25 07:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121116	10/14/25 15:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121264	10/14/25 15:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			121231	10/15/25 05:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121032	10/13/25 08:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121068	10/15/25 05:46	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	121083	10/13/25 14:29	SA	EET MID
Soluble	Analysis	300.0		1			121108	10/14/25 12:21	CS	EET MID

Client Sample ID: C-16 2'
Date Collected: 10/10/25 09:29
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-3
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			4.98 g	5 mL	121111	10/14/25 07:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121116	10/14/25 15:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121264	10/14/25 15:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			121231	10/15/25 06:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	121032	10/13/25 08:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121068	10/15/25 06:00	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	121083	10/13/25 14:29	SA	EET MID
Soluble	Analysis	300.0		1			121108	10/14/25 12:26	CS	EET MID

Client Sample ID: C-5 3'
Date Collected: 10/10/25 09:33
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-4
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	121111	10/14/25 07:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121116	10/14/25 17:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121264	10/14/25 17:21	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Client Sample ID: C-5 3'

Lab Sample ID: 880-63749-4
Matrix: Solid
Date Collected: 10/10/25 09:33
Date Received: 10/10/25 16:48

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			121231	10/15/25 06:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121032	10/13/25 08:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121068	10/15/25 06:15	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	121083	10/13/25 14:29	SA	EET MID
Soluble	Analysis	300.0		1			121108	10/14/25 12:32	CS	EET MID

Client Sample ID: C-3 3'

Lab Sample ID: 880-63749-5
Matrix: Solid
Date Collected: 10/10/25 09:37
Date Received: 10/10/25 16:48

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	121111	10/14/25 07:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121116	10/14/25 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121264	10/14/25 17:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			121231	10/16/25 11:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 11:57	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	121083	10/13/25 14:29	SA	EET MID
Soluble	Analysis	300.0		1			121108	10/14/25 12:37	CS	EET MID

Client Sample ID: C-20 0-2'

Lab Sample ID: 880-63749-6
Matrix: Solid
Date Collected: 10/10/25 09:40
Date Received: 10/10/25 16:48

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	121111	10/14/25 07:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121116	10/14/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121264	10/14/25 18:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			121231	10/16/25 12:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 12:11	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	121083	10/13/25 14:29	SA	EET MID
Soluble	Analysis	300.0		1			121108	10/14/25 12:53	CS	EET MID

Client Sample ID: C-21 0-2'

Lab Sample ID: 880-63749-7
Matrix: Solid
Date Collected: 10/10/25 09:44
Date Received: 10/10/25 16:48

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	121111	10/14/25 07:43	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121116	10/14/25 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121264	10/14/25 18:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			121231	10/16/25 12:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	121197	10/14/25 16:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121349	10/16/25 12:27	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Client Sample ID: C-21 0-2'
Date Collected: 10/10/25 09:44
Date Received: 10/10/25 16:48

Lab Sample ID: 880-63749-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	121083	10/13/25 14:29	SA	EET MID
Soluble	Analysis	300.0		1			121108	10/14/25 12:58	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: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

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: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

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: Gravitas Spill #4

Job ID: 880-63749-1
SDG: 25-0101-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-63749-1	C-18 2'	Solid	10/10/25 08:12	10/10/25 16:48	New Mexico
880-63749-2	C-17 2'	Solid	10/10/25 09:27	10/10/25 16:48	New Mexico
880-63749-3	C-16 2'	Solid	10/10/25 09:29	10/10/25 16:48	New Mexico
880-63749-4	C-5 3'	Solid	10/10/25 09:33	10/10/25 16:48	New Mexico
880-63749-5	C-3 3'	Solid	10/10/25 09:37	10/10/25 16:48	New Mexico
880-63749-6	C-20 0-2'	Solid	10/10/25 09:40	10/10/25 16:48	New Mexico
880-63749-7	C-21 0-2'	Solid	10/10/25 09:44	10/10/25 16:48	New Mexico

No. 3524

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 10-10-2025 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: GRAVITAS SPILL #4

LAI PROJECT #: 25-0101-02 COLLECTOR: IR

TRRP report? ☐ Yes ☒ No

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

TIME ZONE: Time zone/State: MNT/NM

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDE ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-18 2'		10/10/25	8:12 AM	S	1				X		X			X	X	X																									X			63749
C-17 2'			9:27 AM																																									
C-16 2'			9:29 AM																																									
C-5 3'			9:33 AM																																									
C-3 3'			9:37 AM																																									
C-20 0-2'			9:40 AM																																									
C-21 0-2'			9:44 AM								–																																	

880-63749 Chain of Custody

TOTAL 7

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
	1648	
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
LABORATORY:	EUROFINS	

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

LABORATORY USE ONLY:
RECEIVING TEMP: 5.4/5.3 THERM#: IR5
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-63749-1
SDG Number: 25-0101-02

Login Number: 63749
List Number: 1
Creator: Kramer, Jessica

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/7/2025 1:49:16 PM

JOB DESCRIPTION

Gravitas SWD-Spill 4
25-0101-02

JOB NUMBER

880-64645-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

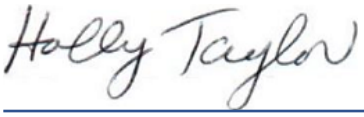
Eurofins Midland

Job Notes

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

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

Authorization



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11/7/2025 1:49:16 PM

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

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD-Spill 4

Laboratory Job ID: 880-64645-1
SDG: 25-0101-02

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-64645-1
Project/Site: Gravitas SWD-Spill 4 SDG: 25-0101-02

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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. Job ID: 880-64645-1
Project: Gravitas SWD-Spill 4

Job ID: 880-64645-1 Eurofins Midland

Job Narrative
880-64645-1

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 sample was received on 11/6/2025 12:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-123101/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

Client Sample ID: BF-1

Date Collected: 11/05/25 13:24
Date Received: 11/06/25 12:00

Lab Sample ID: 880-64645-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/06/25 13:51	11/06/25 20:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/25 13:51	11/06/25 20:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/25 13:51	11/06/25 20:16	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		11/06/25 13:51	11/06/25 20:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/25 13:51	11/06/25 20:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/25 13:51	11/06/25 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*11/06/25 13:51*	*11/06/25 20:16*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/06/25 13:51*	*11/06/25 20:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/06/25 20:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/06/25 19:28	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/06/25 09:21	11/06/25 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/06/25 09:21	11/06/25 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/06/25 09:21	11/06/25 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*109*		*70 - 130*	*11/06/25 09:21*	*11/06/25 19:28*	*1*
o-Terphenyl (Surr)	*128*		*70 - 130*	*11/06/25 09:21*	*11/06/25 19:28*	*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			11/06/25 21:29	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-64645-1	BF-1	108	104
LCS 880-123101/1-A	Lab Control Sample	109	134 S1+
LCSD 880-123101/2-A	Lab Control Sample Dup	109	125
MB 880-123101/5-A	Method Blank	107	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-64645-1	BF-1	109	128
LCS 880-123087/2-A	Lab Control Sample	89	104
LCSD 880-123087/3-A	Lab Control Sample Dup	85	104
MB 880-123087/1-A	Method Blank	101	119

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-123101/5-A
Matrix: Solid
Analysis Batch: 123079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123101

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/06/25 09:40	11/06/25 12:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/25 09:40	11/06/25 12:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/25 09:40	11/06/25 12:11	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/06/25 09:40	11/06/25 12:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/25 09:40	11/06/25 12:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/06/25 09:40	11/06/25 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/06/25 09:40*	*11/06/25 12:11*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/06/25 09:40*	*11/06/25 12:11*	*1*

Lab Sample ID: LCS 880-123101/1-A
Matrix: Solid
Analysis Batch: 123079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123101

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1256		mg/Kg		126	70 - 130		
Toluene			0.100	0.1038		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1172		mg/Kg		117	70 - 130		
m,p-Xylenes			0.200	0.2521		mg/Kg		126	70 - 130		
o-Xylene			0.100	0.1276		mg/Kg		128	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*134*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-123101/2-A
Matrix: Solid
Analysis Batch: 123079

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123101

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1176		mg/Kg		118	70 - 130	7	35
Toluene			0.100	0.09692		mg/Kg		97	70 - 130	7	35
Ethylbenzene			0.100	0.1075		mg/Kg		108	70 - 130	9	35
m,p-Xylenes			0.200	0.2315		mg/Kg		116	70 - 130	9	35
o-Xylene			0.100	0.1169		mg/Kg		117	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

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

Lab Sample ID: MB 880-123087/1-A
Matrix: Solid
Analysis Batch: 123176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123087

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/06/25 09:21	11/06/25 11:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/06/25 09:21	11/06/25 11:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/06/25 09:21	11/06/25 11:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*101*		*70 - 130*	*11/06/25 09:21*	*11/06/25 11:19*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*11/06/25 09:21*	*11/06/25 11:19*	*1*

Lab Sample ID: LCS 880-123087/2-A
Matrix: Solid
Analysis Batch: 123176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123087

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1240		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	960.0		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*89*		*70 - 130*
o-Terphenyl (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-123087/3-A
Matrix: Solid
Analysis Batch: 123176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123087

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1119		mg/Kg		112	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	928.6		mg/Kg		93	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*85*		*70 - 130*
o-Terphenyl (Surr)	*104*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-123192/1-A
Matrix: Solid
Analysis Batch: 123204

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/06/25 19:07	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-123192/2-A
Matrix: Solid
Analysis Batch: 123204

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-123192/3-A
Matrix: Solid
Analysis Batch: 123204

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	241.1		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

GC VOA

Analysis Batch: 123079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64645-1	BF-1	Total/NA	Solid	8021B	123101
MB 880-123101/5-A	Method Blank	Total/NA	Solid	8021B	123101
LCS 880-123101/1-A	Lab Control Sample	Total/NA	Solid	8021B	123101
LCSD 880-123101/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	123101

Prep Batch: 123101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64645-1	BF-1	Total/NA	Solid	5035	
MB 880-123101/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-123101/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-123101/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 123330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64645-1	BF-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 123087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64645-1	BF-1	Total/NA	Solid	8015NM Prep	
MB 880-123087/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-123087/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-123087/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 123176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64645-1	BF-1	Total/NA	Solid	8015B NM	123087
MB 880-123087/1-A	Method Blank	Total/NA	Solid	8015B NM	123087
LCS 880-123087/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	123087
LCSD 880-123087/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	123087

Analysis Batch: 123327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64645-1	BF-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 123192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64645-1	BF-1	Soluble	Solid	DI Leach	
MB 880-123192/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-123192/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-123192/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 123204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-64645-1	BF-1	Soluble	Solid	300.0	123192
MB 880-123192/1-A	Method Blank	Soluble	Solid	300.0	123192
LCS 880-123192/2-A	Lab Control Sample	Soluble	Solid	300.0	123192
LCSD 880-123192/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	123192

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

Client Sample ID: BF-1
Date Collected: 11/05/25 13:24
Date Received: 11/06/25 12:00

Lab Sample ID: 880-64645-1
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			5.03 g	5 mL	123101	11/06/25 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123079	11/06/25 20:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123330	11/06/25 20:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			123327	11/06/25 19:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	123087	11/06/25 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123176	11/06/25 19:28	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	123192	11/06/25 13:38	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	123204	11/06/25 21:29	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: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

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: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

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: Gravitas SWD-Spill 4

Job ID: 880-64645-1
SDG: 25-0101-02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-64645-1	BF-1	Solid	11/05/25 13:24	11/06/25 12:00	New Mexico

No. 3576

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 11/6/2025 PAGE 1 OF 1
PO#: LAB WORK ORDER#: 64645
PROJECT LOCATION OR NAME: Gravitas SWD - Spill 4
LAI PROJECT #: 25-0101-02 COLLECTOR: DSG

TRRP report? ☐ Yes ☑ No

TIME ZONE: Time zone/State: MNT/NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☑ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☑	DIESEL - MOD 8015 ☑	OIL - MOD 8015 ☑	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☑ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
BF-1		11/5/25	1324	S	1				X		X			X	X	X													X	

880-64645 Chain of Custody

TOTAL 1

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
Daniel St. Jean	11/6/2025 1200	
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Eurofins

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

LABORATORY USE ONLY:
RECEIVING TEMP: 2.6/2.5 THERM#: IR 9
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-64645-1
SDG Number: 25-0101-02

Login Number: 64645
List Number: 1
Creator: Vasquez, Julisa

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 F

Photographic Documentation

Spill area, viewing north.

Spill area, viewing north.

Spill area, viewing north.

Spill area, viewing northwest.

Spill area, viewing southwest.

Spill area, viewing west.

Spill area, viewing southwest.

Spill area, viewing south.

Spill area, viewing southeast.

Spill area, viewing east.

Spill area, viewing northeast.

Spill area, viewing east.

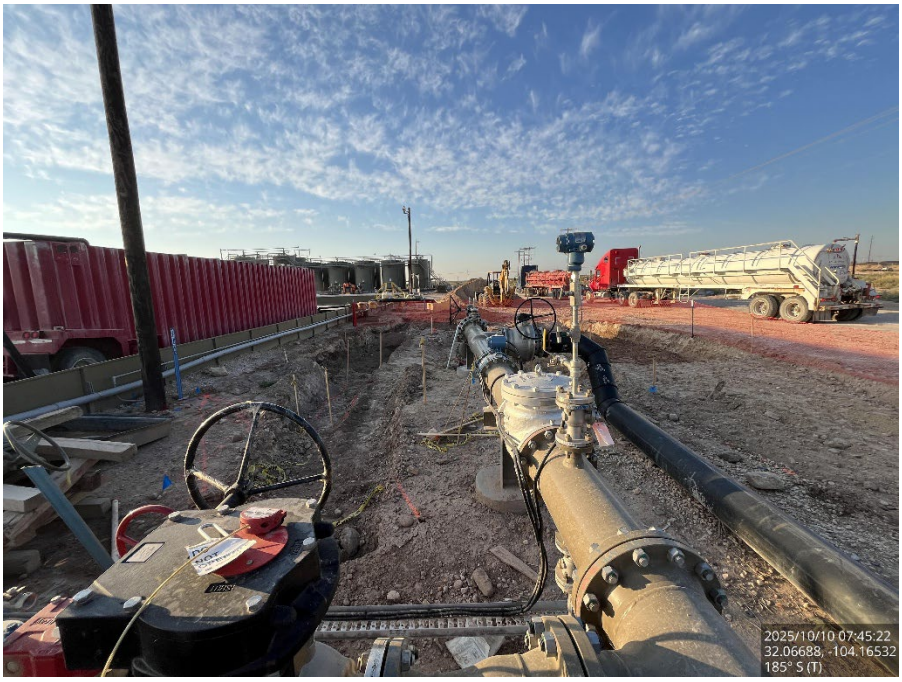
Trench through remediation area, viewing south.

Trench through remediation area, viewing northwest.

Trench through remediation area, viewing north.

Backfilled area, viewing southwest.

Excavated area, viewing southeast.



Excavated area, viewing south.

Excavated area, viewing southwest.

Excavated area, viewing south.

Excavated area, viewing southeast.

Excavated area, viewing northeast.

Excavated area, viewing west.

Excavated area, viewing northwest.

Excavated area, viewing north.

Excavated area, viewing east.

Excavated area, viewing southeast.

Backfilled area, viewing north.

Backfilled area, viewing north.

Backfilled area, viewing north.

Backfilled area, viewing northeast.

Backfilled area, viewing northeast.

Backfilled area, viewing east.

Backfilled area, viewing southeast.

Backfilled area, viewing southwest.

Backfilled area, viewing south.

Backfilled area, viewing south.

Backfilled area, viewing west.

Backfilled area, viewing south.

Backfilled area, viewing west.

Backfilled area, viewing west.

Backfilled area, viewing south.

Backfilled area, viewing west.

Backfilled area, viewing north.

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

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 529234
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2514142619**
Incident Name	**NAPP2514142619 HAYHURST NM SECTION 2 SWD (GRAVITAS) @ FAPP2131342213**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2131342213] Hayhurst NM Section 2 SWD Facility**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Hayhurst NM Section 2 SWD (Gravitas)
Date Release Discovered	05/12/2025
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Valve | Produced Water | Released: 12 BBL | Recovered: 0 BBL | Lost: 12 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 529234
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 11/24/2025

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 529234
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between ½ and 1 (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	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	36200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	517
GRO+DRO (EPA SW-846 Method 8015M)	517
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	01/05/2026
On what date will (or did) the final sampling or liner inspection occur	01/19/2026
On what date will (or was) the remediation complete(d)	01/19/2026
What is the estimated surface area (in square feet) that will be reclaimed	3387
What is the estimated volume (in cubic yards) that will be reclaimed	294
What is the estimated surface area (in square feet) that will be remediated	3387
What is the estimated volume (in cubic yards) that will be remediated	294
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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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 529234
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 11/24/2025
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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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 (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 529234
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**510490**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**10/13/2025**
What was the (estimated) number of samples that were to be gathered	**21**
What was the sampling surface area in square feet	**3387**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3387
What was the total volume (cubic yards) remediated	190
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Between October 6 and 10, 2025, Apeck Construction (Apeck), under the guidance of LAI personnel removed approximately 190 cubic yards of impacted soil from an area of about 3,387 square feet mechanical excavation methods. Impacted material was disposed of at the R360 Red Bluff Facility in Reeves County, Texas

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 11/24/2025

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QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 529234

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 529234
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2514142619 Hayhurst NM Section 2 SWD (Gravitas), thank you. This Remediation Closure Report is approved.	12/12/2025