Incident ID: nAPP2500852292
REMEDIATION AND CLOSURE REPORT
Chamaeleon BIN State Com Battery
Crude Oil Release
Eddy County, New Mexico

Latitude: 32.01989
Longitude: -104.14150

LAI Project No: 25-0101-01

June 25, 2025

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

Prepared by:
Larson & Associates, Inc.
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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 crude oil release at the Chamaeleon BIN State Com Battery (Site) located in Unit B (NW/4 of NE/4), Section 25, Township 26 South, Range 27 East in Eddy County, New Mexico. The geodetic position is 32.01989, -104.14150. Figure 1 presents a topographic map.

1.1 Background

The release was discovered on December 29, 2024, and was caused by fluid overflow from a flare, resulting in a small fire. About 0.014 barrels (bbls) of crude oil was released onto the pad and covered an area of approximately 91 square feet. No 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 January 9, 2025, and was assigned incident number nAPP2500852292. 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 3,109 feet above mean sea level (msl).
- Surface topography slopes gently to the north.
- The nearest continuously flowing water course (Pecos River) is located about 7.05 miles to the northeast.
- The nearest lakebed, sinkhole, or playa lake is located about 3.0 miles to the northeast.
- The nearest wetland is located about 0.52 miles to the northwest.
- The nearest subsurface mine is located about 27.5 miles to the northeast.
- The nearest 100-year flood plain is located 0.4 miles to the northwest.
- There nearest active water well for stock watering is located about 2.0 miles to the west.
- USGS karst occurrence potential data designates the area as “high” risk.
- The soils are designated as Gypsum Land – Cottonwood Complex, with Gypsum Land consisting primarily of gypsum, and Cottonwood complex consisting of 8 inches of loam and underlaid by bedrock.
- The Salado Formation (upper Permian) is the uppermost geologic unit and is an evaporite sequence composed predominantly of halite.
- Groundwater was reported at 50 feet below ground surface (bgs), based on a groundwater well drilled on September 12, 2002, about 2.0 miles northwest of the Site (C-02930).

Appendix B presents a karst potential map. Appendix C presents the well record and log for C-02930.

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, Chamaeleon BIN State Com Battery – Spill 3, Eddy County, New Mexico*, dated January 31, 2025, the report recommended the following remedial action:

- Use hydro and/or mechanical excavation methods to remove approximately 22 cubic yards of soil from an area of about 200 square feet to a depth between one (1) and three (3) feet bgs or greater, depending on analytical results of confirmation soil samples.
- Collect delineation samples from locations S-5 and S-6 after excavation is complete and analyze for BTEX, TPH, and chloride.
- Collect two (2) composite confirmation samples from the bottom and sidewall of the excavation, or about every 200 square feet, and analyze for BTEX, TPH, and chloride.
- Collect one (1) composite backfill sample from backfill material, and analyze for BTEX, TPH, and chloride.
- 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 without conditions on February 18, 2025.

3.0 DELINEATION

On January 13, 2025, LAI personnel used a stainless-steel hand auger to collect 12 samples from six locations (S-1 through S-6), at 0 (surface level) and 0.5 feet bgs. Two (2) sample locations (S-5 and S-6) were located inside of the spill area, and four (4) sample locations (S-1 through S-4) were collected outside of the spill area, in each cardinal direction. The samples were delivered under chain-of-custody and preservation to Eurofins Laboratories (Eurofins) in Midland, Texas. Eurofins analyzed

the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA SW-846 Method 8021B; total petroleum hydrocarbons (TPH), including gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by Method 8015M; and chloride by EPA Method 300.

Benzene and BTEX were reported below the NMOCD remediation standards of 10 milligrams per kilogram (mg/Kg) and 50 mg/Kg, respectively, in all samples. TPH was reported above the delineation limit of 100 mg/Kg in the lower most sample from S-5 (501 mg/Kg). Chloride was reported above the delineation limit of 600 mg/kg in the lowermost sample collected from S-6 (1,240 mg/Kg).

On April 14, 2025, LAI personnel collected a sample from locations S-5 and S-6 at 1-foot bgs during remediation activities. The samples were analyzed by Eurofins in Midland, Texas for BTEX, TPH, and chloride. Eurofins reported that all parameters were below NMOCD delineation standards.

Laboratory analysis demonstrates that the release was fully delineated to the most stringent delineation standards in Table I of 19.15.29.12 NMAC. Table 1 presents the delineation soil sample analytical data table. Figure 2 presents an aerial map with delineation soil sample locations.

4.0 REMEDIATION

Between April 14 and 15, 2025, Warrior Technologies (Warrior), under the guidance of LAI personnel removed approximately 3.9 cubic yards of impacted soil from an area of about 106 square feet using hydro-excavation methods. The hydrovac media was disposed of at the R360 Red Bluff Facility in Reeves County, Texas.

On April 15, 2025, LAI personnel collected two (2) confirmation samples (C-1 and C-2) from the bottom and sidewall of the excavation at a depth of 1-foot bgs. Final sampling notice was submitted to the NMOCD on April 10, 2025. The confirmation soil samples were delivered under the chain-of-custody and preservation to Eurofins in Midland, Texas, and analyzed for BTEX, TPH, and chloride using approved NMOCD methods. Eurofins reported that all samples were below NMOCD closure criteria for benzene (10 mg/Kg), BTEX (50 mg/Kg), TPH (100 mg/Kg), and chloride (600 mg/Kg).

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 April 15, 2025, LAI personnel collected one (1) composite backfill samples (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 reporting limit for

benzene, BTEX, and TPH. Chloride was reported at 325 mg/kg, below the NMOCD requirements prescribed in 19.15.29.13D(1) NMAC.

On May 20, 2025, Apeck Construction (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 D presents the NMOCD remediation extension approval. Appendix E presents the laboratory reports. Appendix F presents photographic documentation.

5.0 CULTURAL PROPERTIES AND BIOLOGICAL SENSITIVE AREAS

5.1 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.

5.2 Biological Compliance

The Site is located about 0.4 miles south of an ephemeral drainage designated as management zone C in the Texas Hornshell Mussel CCAA (Candidate Conservation Agreements with Assurances). No direct paths from the remediation area to the drainage were observed and all impacted material was transported to an NMOCD approved disposal facility via hydrovac truck when the tank was full, removing the possibility for erosion of impacted material outside of the remediation area. Additionally, potential habitats for Sheers Beehive Cactus are located about 0.67 miles west and 1.9 miles east of the Site. All remediation activities remained onsite, and a biological survey was not required.

6.0 CLOSURE REQUEST

Chevron requests closure for nAPP2500852292.

Tables

Table 1
Confirmation Sample Analytical Summary
Chevron - Chamaeleon BIN State Com Battery
Eddy County, Texas
32.01989, -104.14150

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*	*50*				*100*	*600*
S-1	0	01/13/2025	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	229
S-1	0.5	01/13/2025	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	233.0
S-2	0	01/13/2025	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	35
S-2	0.5	01/13/2025	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	34
S-3	0	01/13/2025	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	401
S-3	0.5	01/13/2025	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	417
S-4	0	01/13/2025	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	142
S-4	0.5	01/13/2025	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	177
S-5	0	01/13/2025	<0.00201	0.155	<49.9	2020	<49.9	**2020**	**1,390**
S-5	0.5	01/13/2025	<0.00202	0.06745	<49.8	501	<49.8	**501**	383
S-5	1	04/15/2025	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	252
S-6	0	01/13/2025	<0.00199	0.0164	<49.8	70.2	<49.8	70.2	**2,840**
S-6	0.5	01/13/2025	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	**1,240**
S-6	1	04/15/2025	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	**381**

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

Table 2
Confirmation Sample Analytical Summary
Chevron - Chamaeleon BIN State Com Battery
Eddy County, Texas
32.01989, -104.14150

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	1	Bottom	04/15/25	In-situ	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	206
C-02	0-1	Sidewall	04/15/25	In-situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	208
Back Fill Sample											
BF-01	--	--	4/15/2025	--	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	325

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

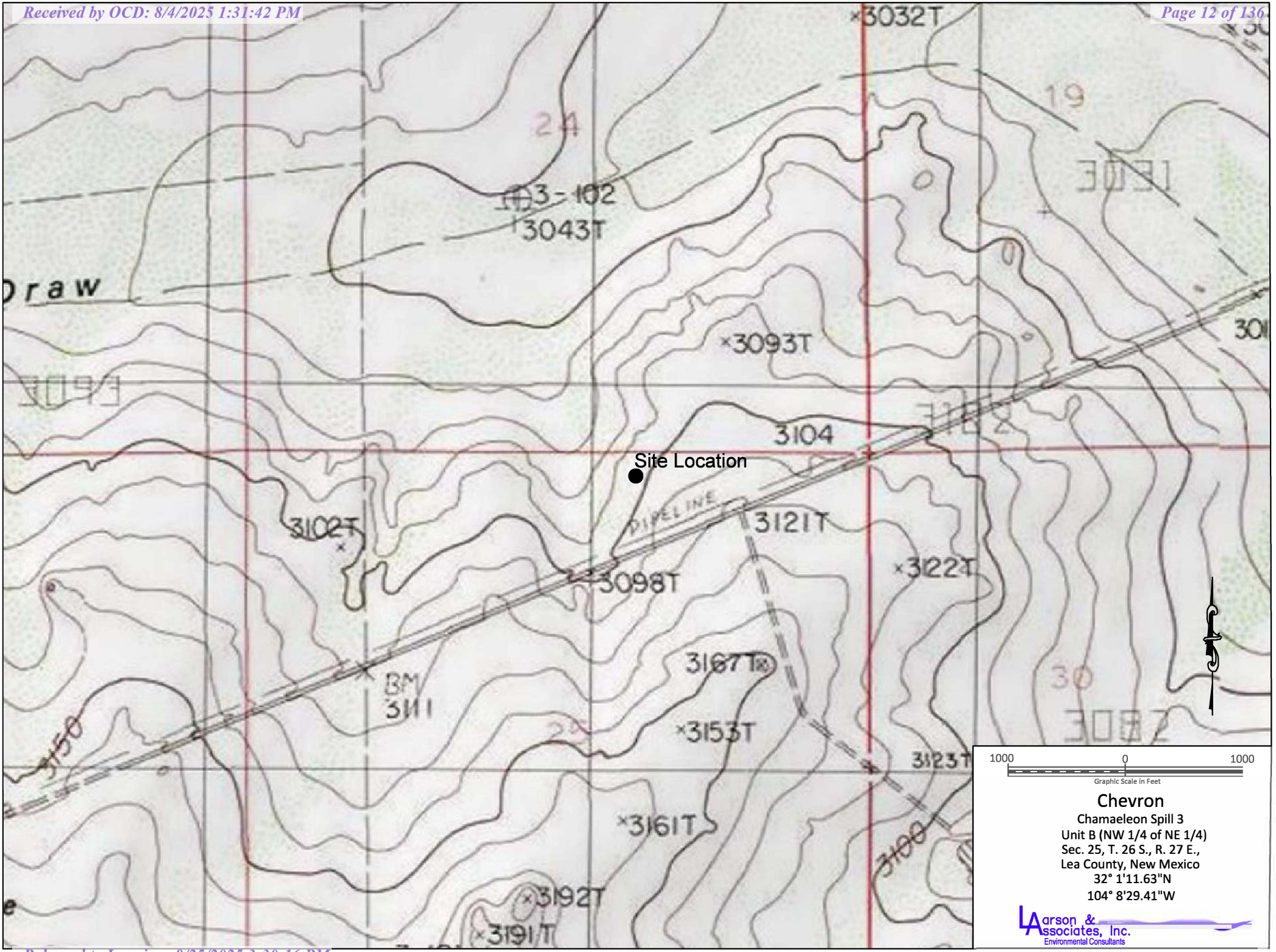

Figure 1 - Topographic Map

Figure 2 - Aerial Map

Figure 3 - Aerial Map Showing Proposed Excavation Area

Appendix A

Initial C-141

Spilled Material:
Oil Released: 0.014 bbl
Oil Recovered: bbl
Water Released: 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	Circle	Caliche	4 ft x 0	0.014 bbl	0%	0.014 bbl	.500 in	0.014 bbl	
2				bbl	%	bbl		bbl	
3				bbl	%	bbl		bbl	
4				bbl	%	bbl		bbl	
5				bbl	%	bbl		bbl	
6				bbl	%	bbl		bbl	
7				bbl	%	bbl		bbl	
Rec Vol									
Total Vol						0.014			

Weather
Conditions: Cloudy
Temperature: 32°F
Relative Humidity: 82%
Wind Direction: 10°
Wind Speed: 1 mph

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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

QUESTIONS

Action 418731

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 418731
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500852292**
Incident Name	**NAPP2500852292 CHAMAELEON BIN STATE COM BATTERY @ 0**
Incident Type	**Fire**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2131330137] Chamaeleon BIN State Com Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Chamaeleon BIN State Com Battery
Date Release Discovered	12/29/2024
Surface Owner	State

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

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

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Energy, Minerals and Natural Resources
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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: 418731
	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)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 01/08/2025

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 418731
	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)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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 ½ and 1 (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	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

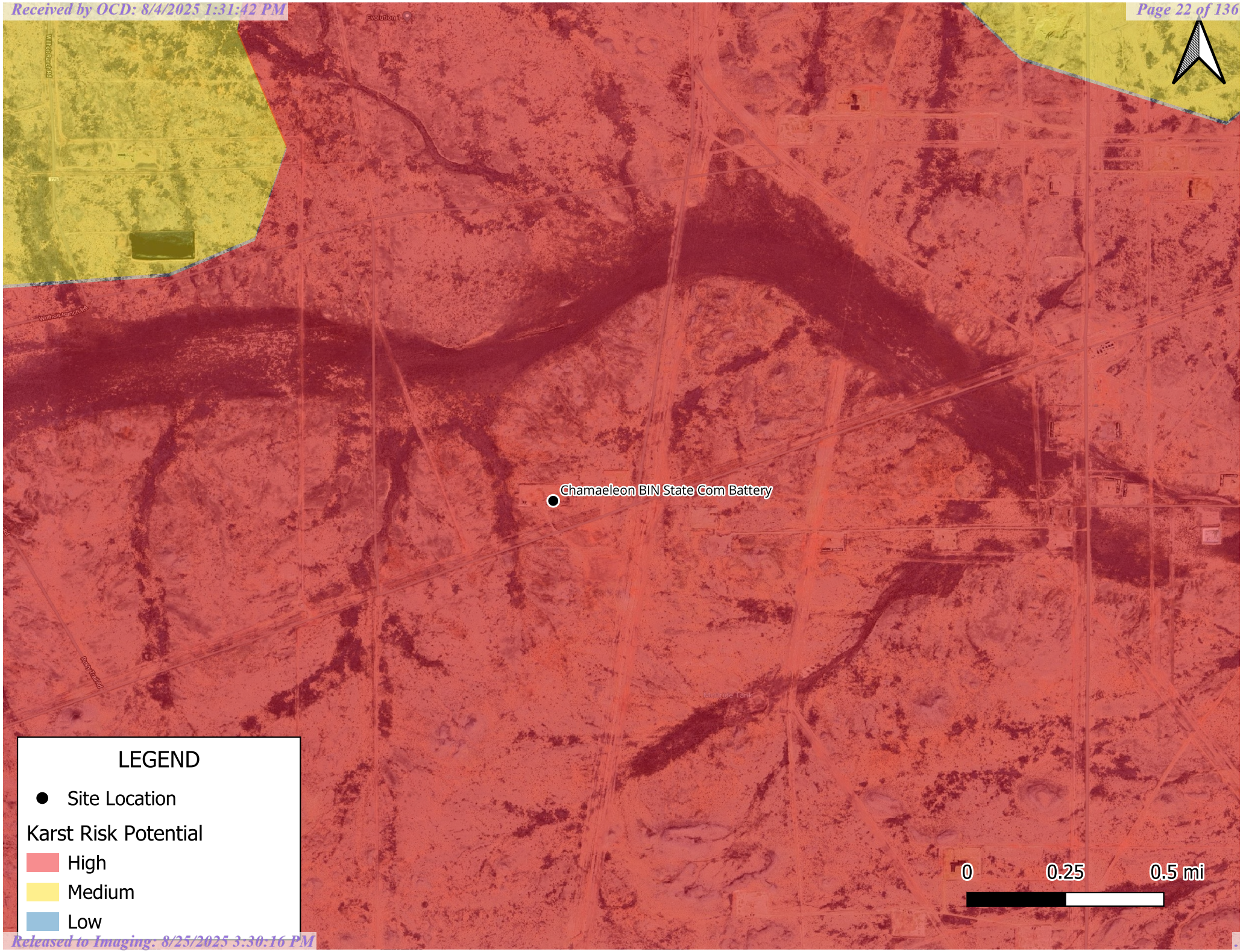
Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 418731
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	1/13/2025

Appendix B

Karst Potential Map


Chamaeleon BIN State Com Battery
LEGEND
Site Location
Karst Risk Potential
High
Medium
Low
0
0.25
0.5 mi

Appendix C

Well Record and Log

2

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

472362

Section 1. GENERAL INFORMATION

(A) Owner of well Phil Stell Owner's Well No. C-2930

Street or Post Office Address 1305 January

City and State Carlsbad, NM 88220

Well was drilled under Permit No. _____ and is located in the:

a. NE ¼ S.W ¼ SE ¼ ¼ of Section 22 Township 26 S Range 27 E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor B & H Drilling License No. 1027

Address P.O. Box 72

Drilling Began 9-6-02 Completed 9-12-02 Type tools Cable Size of hole 7" in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 100' ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 50 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
50'	62'	12'	Lime, Sand, Gravel	
80'	100'	20'	Lime	12 G.P.M.

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
6"			100'	100'		N/A	50'	100'

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____

Address _____

Plugging Method _____

Date Well Plugged _____

Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received Dec. 19, 2002

Quad _____ FWL _____ FSL _____

File No. C-2930 Use Dom/Stk Location No. 26S.27.22.432

STATE ENGINEER OFFICE ROSWELL, NEW MEXICO 2002 DEC 19 PM 3:51

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0'	35'	35'	Topsoil & Caliche
35'	45'	10'	Gypsum & Red Sand
45'	50'	5'	Red Sand & Anhydrite
50'	62'	12'	Lime & Sand & Gravel (water)
62'	72'	10'	Tan/White Sand
72'	76'	4'	Red Bed
76'	80'	4'	Anhydrite
80'	100'	20'	Lime (water)

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Scott Dobson
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

Appendix D

NMOCD Communications

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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

QUESTIONS

Action 450919

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 450919
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500852292**
Incident Name	**NAPP2500852292 CHAMAELEON BIN STATE COM BATTERY @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Plan Approved**
Incident Facility	**[fAPP2131330137] Chamaeleon BIN State Com Battery**

Location of Release Source	
Site Name	**CHAMAELEON BIN STATE COM BATTERY**
Date Release Discovered	**12/29/2024**
Surface Owner	**State**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/15/2025
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 4/25/2025
Please provide any information necessary for navigation to sampling site	32.019897, -104.141503

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
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CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 450919
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
branes	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.	4/10/2025

Incident Events

Date	Detail
05/14/2025	60-day time extension request is approved. Remediation Due date updated to July 18, 2025. Email submitted on 5/14/2025 via operator states, “We are needing an extension on this spill if possible. We have finished remediation but are waiting for backfill. Please let me know if you can extend this for 60 days".
04/10/2025	The (04/10/2025, C-141N) application [450919] was assigned to this incident.
02/19/2025	App ID 927961: Accepted for the record. App ID 427947 was approved on 2/18/2025 with the same incident ID and attachment.
02/19/2025	The (02/19/2025, C-141) application [427961] was accepted by OCD. The operator was emailed with details of this event.
02/19/2025	An application [427961] was submitted to OCD for review. It was submitted, indicating that it was an: [C-141] Application for administrative approval of a release notification and corrective action The operator was emailed confirmation of this event.
02/18/2025	App ID 427947: The remediation plan is approved as written. Chevron has 90-days (May 19, 2025) to submit to OCD its appropriate or final remediation closure report.
02/18/2025	The (02/18/2025, C-141) application [427947] was accepted by OCD. The operator was emailed with details of this event.
02/04/2025	The (02/19/2025, C-141) application [427961] was assigned to this incident.
02/04/2025	The (02/18/2025, C-141) application [427947] was assigned to this incident.
01/13/2025	The (01/13/2025, C-141) application [418731] was accepted by OCD. The operator was emailed with details of this event.
01/13/2025	An application [418731] was submitted to OCD for review. It was submitted, indicating that it was an: [C-141] Application for administrative approval of a release notification and corrective action The operator was emailed confirmation of this event.
01/08/2025	The (01/13/2025, C-141) application [418731] was assigned to this incident.
01/08/2025	The (01/08/2025, NOR) application [418667] was assigned to this incident.
01/08/2025	New incident created by the operator, upon the submission of notification of release.
12/30/2024	Release discovered by the operator.

Appendix E

Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/17/2025 10:53:43 AM

JOB DESCRIPTION

Chamaeleon
25-0101-01

JOB NUMBER

880-53142-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

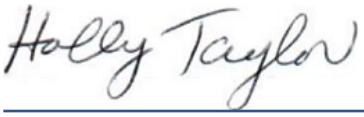
Eurofins Midland

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



Generated
1/17/2025 10:53:43 AM

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

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Laboratory Job ID: 880-53142-1
SDG: 25-0101-01

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

Qualifiers

GC VOA

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

GC Semi VOA

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project: Chamaeleon

Job ID: 880-53142-1 Eurofins Midland

Job Narrative
880-53142-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/14/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 0 (880-53142-1), S-1 0.5 (880-53142-2), S-2 0 (880-53142-3), S-2 0.5 (880-53142-4), S-3 0 (880-53142-5), S-3 0.5 (880-53142-6), S-4 0 (880-53142-7), S-4 0.5 (880-53142-8), S-5 0 (880-53142-9), S-5 0.5 (880-53142-10), S-6 0 (880-53142-11) and S-6 0.5 (880-53142-12).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: S-5 0 (880-53142-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-100396 and analytical batch 880-100394 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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 matrix spike duplicate (MSD) recoveries for preparation batch 880-100234 and analytical batch 880-100195 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-1 0.5 (880-53142-2), S-2 0 (880-53142-3), S-2 0.5 (880-53142-4), S-3 0 (880-53142-5), S-3 0.5 (880-53142-6), S-4 0.5 (880-53142-8) and S-6 0.5 (880-53142-12). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-53142-A-2-B MS) and (880-53142-A-2-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-5 0 (880-53142-9). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-100233 and analytical batch 880-100200 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.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100419 and analytical batch 880-100434 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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Case Narrative

Client: Larson & Associates, Inc.
Project: Chamaeleon

Job ID: 880-53142-1

Job ID: 880-53142-1 (Continued)

Eurofins Midland

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: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

Client Sample ID: S-1 0

Date Collected: 01/13/25 11:37
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-1
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		01/16/25 08:49	01/16/25 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 11:46	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/16/25 08:49	01/16/25 11:46	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/16/25 08:49	01/16/25 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 11:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/25 08:49	01/16/25 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*01/16/25 08:49*	*01/16/25 11:46*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/16/25 08:49*	*01/16/25 11:46*	*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			01/14/25 22:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/14/25 10:23	01/14/25 22:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/14/25 10:23	01/14/25 22:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/14/25 10:23	01/14/25 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*102*		*70 - 130*	*01/14/25 10:23*	*01/14/25 22:59*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*01/14/25 10:23*	*01/14/25 22:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**229**	**F1**	10.1		mg/Kg			01/16/25 16:23	1

Client Sample ID: S-1 0.5

Date Collected: 01/13/25 11:42
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-2
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		01/16/25 08:49	01/16/25 12:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/16/25 08:49	01/16/25 12:07	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		01/16/25 08:49	01/16/25 12:07	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/16/25 08:49	01/16/25 12:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/16/25 08:49	01/16/25 12:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/16/25 08:49	01/16/25 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/16/25 08:49*	*01/16/25 12:07*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/16/25 08:49*	*01/16/25 12:07*	*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			01/15/25 00:31	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

Client Sample ID: S-1 0.5 Lab Sample ID: 880-53142-2

Date Collected: 01/13/25 11:42 **Matrix: Solid**
Date Received: 01/14/25 09:20

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 F1	50.0		mg/Kg		01/14/25 10:26	01/15/25 00:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/14/25 10:26	01/15/25 00:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/14/25 10:26	01/15/25 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*69*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 00:31*	*1*
o-Terphenyl (Surr)	*63*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 00:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**233**		10.0		mg/Kg			01/16/25 16:41	1

Client Sample ID: S-2 0 Lab Sample ID: 880-53142-3

Date Collected: 01/13/25 11:45 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 12:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 12:27	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/16/25 08:49	01/16/25 12:27	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/16/25 08:49	01/16/25 12:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 12:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/25 08:49	01/16/25 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*01/16/25 08:49*	*01/16/25 12:27*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/16/25 08:49*	*01/16/25 12:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/15/25 01:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/14/25 10:26	01/15/25 01:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/14/25 10:26	01/15/25 01:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/14/25 10:26	01/15/25 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*66*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 01:16*	*1*
o-Terphenyl (Surr)	*64*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 01:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.7**		9.90		mg/Kg			01/16/25 16:47	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

Client Sample ID: S-2 0.5 Lab Sample ID: 880-53142-4

Date Collected: 01/13/25 11:47 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 12:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/16/25 08:49	01/16/25 12:48	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		01/16/25 08:49	01/16/25 12:48	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/16/25 08:49	01/16/25 12:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/16/25 08:49	01/16/25 12:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/16/25 08:49	01/16/25 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*01/16/25 08:49*	*01/16/25 12:48*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/16/25 08:49*	*01/16/25 12:48*	*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			01/15/25 01:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/14/25 10:26	01/15/25 01:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/14/25 10:26	01/15/25 01:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/14/25 10:26	01/15/25 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*63*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 01:30*	*1*
o-Terphenyl (Surr)	*60*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 01:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.5**		10.0		mg/Kg			01/16/25 16:53	1

Client Sample ID: S-3 0 Lab Sample ID: 880-53142-5

Date Collected: 01/13/25 11:50 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 13:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/25 08:49	01/16/25 13:08	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		01/16/25 08:49	01/16/25 13:08	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/16/25 08:49	01/16/25 13:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/25 08:49	01/16/25 13:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/25 08:49	01/16/25 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/16/25 08:49*	*01/16/25 13:08*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/16/25 08:49*	*01/16/25 13:08*	*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			01/15/25 01:45	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

Client Sample ID: S-3 0 Lab Sample ID: 880-53142-5

Date Collected: 01/13/25 11:50 **Matrix: Solid**
Date Received: 01/14/25 09:20

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/14/25 10:26	01/15/25 01:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/14/25 10:26	01/15/25 01:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/14/25 10:26	01/15/25 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*65*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 01:45*	*1*
o-Terphenyl (Surr)	*63*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 01:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**401**		9.98		mg/Kg			01/16/25 16:59	1

Client Sample ID: S-3 0.5 Lab Sample ID: 880-53142-6

Date Collected: 01/13/25 11:52 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 13:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/16/25 08:49	01/16/25 13:29	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		01/16/25 08:49	01/16/25 13:29	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/16/25 08:49	01/16/25 13:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/16/25 08:49	01/16/25 13:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/16/25 08:49	01/16/25 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*01/16/25 08:49*	*01/16/25 13:29*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*01/16/25 08:49*	*01/16/25 13:29*	*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			01/15/25 02:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/14/25 10:26	01/15/25 02:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/14/25 10:26	01/15/25 02:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/14/25 10:26	01/15/25 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*58*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 02:00*	*1*
o-Terphenyl (Surr)	*57*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 02:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**417**		9.94		mg/Kg			01/16/25 17:16	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

Client Sample ID: S-4 0 Lab Sample ID: 880-53142-7

Date Collected: 01/13/25 11:54 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 13:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/25 08:49	01/16/25 13:49	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		01/16/25 08:49	01/16/25 13:49	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/16/25 08:49	01/16/25 13:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/25 08:49	01/16/25 13:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/25 08:49	01/16/25 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*01/16/25 08:49*	*01/16/25 13:49*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*01/16/25 08:49*	*01/16/25 13:49*	*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			01/15/25 02:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/14/25 10:26	01/15/25 02:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/14/25 10:26	01/15/25 02:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/14/25 10:26	01/15/25 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*01/14/25 10:26*	*01/15/25 02:14*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*01/14/25 10:26*	*01/15/25 02:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		10.1		mg/Kg			01/16/25 17:22	1

Client Sample ID: S-4 0.5 Lab Sample ID: 880-53142-8

Date Collected: 01/13/25 11:56 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 14:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 14:10	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/16/25 08:49	01/16/25 14:10	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/16/25 08:49	01/16/25 14:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 14:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/16/25 08:49	01/16/25 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*01/16/25 08:49*	*01/16/25 14:10*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/16/25 08:49*	*01/16/25 14:10*	*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			01/15/25 02:29	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

Client Sample ID: S-4 0.5 Lab Sample ID: 880-53142-8

Date Collected: 01/13/25 11:56 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/14/25 10:26	01/15/25 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/14/25 10:26	01/15/25 02:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/14/25 10:26	01/15/25 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*66*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 02:29*	*1*
o-Terphenyl (Surr)	*63*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 02:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		10.1		mg/Kg			01/16/25 17:28	1

Client Sample ID: S-5 0 Lab Sample ID: 880-53142-9

Date Collected: 01/13/25 11:59 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 14:30	1
Toluene	**0.0119**		0.00201		mg/Kg		01/16/25 08:49	01/16/25 14:30	1
Ethylbenzene	**0.0171**	*+	0.00201		mg/Kg		01/16/25 08:49	01/16/25 14:30	1
m,p-Xylenes	**0.0898**		0.00402		mg/Kg		01/16/25 08:49	01/16/25 14:30	1
o-Xylene	**0.0358**		0.00201		mg/Kg		01/16/25 08:49	01/16/25 14:30	1
Xylenes, Total	**0.126**		0.00402		mg/Kg		01/16/25 08:49	01/16/25 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*01/16/25 08:49*	*01/16/25 14:30*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/16/25 08:49*	*01/16/25 14:30*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2020**		49.9		mg/Kg			01/15/25 02:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/14/25 10:26	01/15/25 02:43	1
Diesel Range Organics (Over C10-C28)	**2020**		49.9		mg/Kg		01/14/25 10:26	01/15/25 02:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/14/25 10:26	01/15/25 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*69*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 02:43*	*1*
o-Terphenyl (Surr)	*119*		*70 - 130*	*01/14/25 10:26*	*01/15/25 02:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1390**		49.8		mg/Kg			01/16/25 17:34	5

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

Client Sample ID: S-5 0.5 — Lab Sample ID: 880-53142-10

Date Collected: 01/13/25 12:02 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 16:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/16/25 08:49	01/16/25 16:14	1
Ethylbenzene	**0.00815**	***+**	0.00202		mg/Kg		01/16/25 08:49	01/16/25 16:14	1
m,p-Xylenes	**0.0413**		0.00404		mg/Kg		01/16/25 08:49	01/16/25 16:14	1
o-Xylene	**0.0180**		0.00202		mg/Kg		01/16/25 08:49	01/16/25 16:14	1
Xylenes, Total	**0.0593**		0.00404		mg/Kg		01/16/25 08:49	01/16/25 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*01/16/25 08:49*	*01/16/25 16:14*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/16/25 08:49*	*01/16/25 16:14*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**501**		49.8		mg/Kg			01/15/25 02:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/14/25 10:26	01/15/25 02:58	1
Diesel Range Organics (Over C10-C28)	**501**		49.8		mg/Kg		01/14/25 10:26	01/15/25 02:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/14/25 10:26	01/15/25 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*70*		*70 - 130*	*01/14/25 10:26*	*01/15/25 02:58*	*1*
o-Terphenyl (Surr)	*81*		*70 - 130*	*01/14/25 10:26*	*01/15/25 02:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**383**		10.0		mg/Kg			01/16/25 17:40	1

Client Sample ID: S-6 0 — Lab Sample ID: 880-53142-11

Date Collected: 01/13/25 12:07 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 16:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/25 08:49	01/16/25 16:35	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		01/16/25 08:49	01/16/25 16:35	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/16/25 08:49	01/16/25 16:35	1
o-Xylene	**0.0164**		0.00199		mg/Kg		01/16/25 08:49	01/16/25 16:35	1
Xylenes, Total	**0.0164**		0.00398		mg/Kg		01/16/25 08:49	01/16/25 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*01/16/25 08:49*	*01/16/25 16:35*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/16/25 08:49*	*01/16/25 16:35*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**70.2**		49.8		mg/Kg			01/15/25 03:12	1

Client Sample Results

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

Client Sample ID: S-6 0 Lab Sample ID: 880-53142-11

Date Collected: 01/13/25 12:07 **Matrix: Solid**
Date Received: 01/14/25 09:20

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/14/25 10:26	01/15/25 03:12	1
Diesel Range Organics (Over C10-C28)	**70.2**		49.8		mg/Kg		01/14/25 10:26	01/15/25 03:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/14/25 10:26	01/15/25 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*71*		*70 - 130*	*01/14/25 10:26*	*01/15/25 03:12*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*01/14/25 10:26*	*01/15/25 03:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2840**	**F1**	199		mg/Kg			01/16/25 17:46	20

Client Sample ID: S-6 0.5 Lab Sample ID: 880-53142-12

Date Collected: 01/13/25 12:09 **Matrix: Solid**
Date Received: 01/14/25 09:20

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		01/16/25 08:49	01/16/25 16:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 16:55	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		01/16/25 08:49	01/16/25 16:55	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/16/25 08:49	01/16/25 16:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 16:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/25 08:49	01/16/25 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*01/16/25 08:49*	*01/16/25 16:55*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/16/25 08:49*	*01/16/25 16:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/15/25 03:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/14/25 10:26	01/15/25 03:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/14/25 10:26	01/15/25 03:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/14/25 10:26	01/15/25 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*68*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 03:27*	*1*
o-Terphenyl (Surr)	*66*	*S1-*	*70 - 130*	*01/14/25 10:26*	*01/15/25 03:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1240**		50.2		mg/Kg			01/16/25 18:03	5

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-53142-1	S-1 0	92	89
880-53142-1 MS	S-1 0	97	103
880-53142-1 MSD	S-1 0	117	88
880-53142-2	S-1 0.5	95	90
880-53142-3	S-2 0	90	91
880-53142-4	S-2 0.5	96	89
880-53142-5	S-3 0	95	91
880-53142-6	S-3 0.5	105	86
880-53142-7	S-4 0	96	92
880-53142-8	S-4 0.5	92	91
880-53142-9	S-5 0	137 S1+	99
880-53142-10	S-5 0.5	121	99
880-53142-11	S-6 0	96	93
880-53142-12	S-6 0.5	97	93
LCS 880-100396/1-A	Lab Control Sample	98	104
LCSD 880-100396/2-A	Lab Control Sample Dup	111	83
MB 880-100396/5-A	Method Blank	88	94

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-53142-1	S-1 0	102	101
880-53142-2	S-1 0.5	69 S1-	63 S1-
880-53142-2 MS	S-1 0.5	74	67 S1-
880-53142-2 MSD	S-1 0.5	73	66 S1-
880-53142-3	S-2 0	66 S1-	64 S1-
880-53142-4	S-2 0.5	63 S1-	60 S1-
880-53142-5	S-3 0	65 S1-	63 S1-
880-53142-6	S-3 0.5	58 S1-	57 S1-
880-53142-7	S-4 0	73	71
880-53142-8	S-4 0.5	66 S1-	63 S1-
880-53142-9	S-5 0	69 S1-	119
880-53142-10	S-5 0.5	70	81
880-53142-11	S-6 0	71	71
880-53142-12	S-6 0.5	68 S1-	66 S1-
LCS 880-100233/2-A	Lab Control Sample	104	115
LCS 880-100234/2-A	Lab Control Sample	88	83
LCSD 880-100233/3-A	Lab Control Sample Dup	109	116
LCSD 880-100234/3-A	Lab Control Sample Dup	85	80
MB 880-100233/1-A	Method Blank	145 S1+	272 S1+
MB 880-100234/1-A	Method Blank	76	77

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100396/5-A
Matrix: Solid
Analysis Batch: 100394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100396

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 11:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 11:25	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/16/25 08:49	01/16/25 11:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/25 08:49	01/16/25 11:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/16/25 08:49	01/16/25 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/16/25 08:49*	*01/16/25 11:25*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/16/25 08:49*	*01/16/25 11:25*	*1*

Lab Sample ID: LCS 880-100396/1-A
Matrix: Solid
Analysis Batch: 100394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100396

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1018		mg/Kg		102	70 - 130		
Toluene			0.100	0.1036		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1029		mg/Kg		103	70 - 130		
m,p-Xylenes			0.200	0.2013		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09827		mg/Kg		98	70 - 130		

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

Lab Sample ID: LCSD 880-100396/2-A
Matrix: Solid
Analysis Batch: 100394

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100396

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1003		mg/Kg		100	70 - 130	2	35
Toluene			0.100	0.1183		mg/Kg		118	70 - 130	13	35
Ethylbenzene			0.100	0.1359	*+	mg/Kg		136	70 - 130	28	35
m,p-Xylenes			0.200	0.2580		mg/Kg		129	70 - 130	25	35
o-Xylene			0.100	0.1252		mg/Kg		125	70 - 130	24	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: 880-53142-1 MS
Matrix: Solid
Analysis Batch: 100394

Client Sample ID: S-1 0
Prep Type: Total/NA
Prep Batch: 100396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1021		mg/Kg		102	70 - 130		
Toluene	<0.00200	U	0.100	0.1029		mg/Kg		103	70 - 130		

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

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

Lab Sample ID: 880-53142-1 MS **Client Sample ID: S-1 0**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 100394 **Prep Batch: 100396**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U *+	0.100	0.1013		mg/Kg		101	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1970		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.09606		mg/Kg		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-53142-1 MSD **Client Sample ID: S-1 0**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 100394 **Prep Batch: 100396**

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	0.09216		mg/Kg		92	70 - 130	10	35
Toluene	<0.00200	U	0.100	0.1057		mg/Kg		106	70 - 130	3	35
Ethylbenzene	<0.00200	U *+	0.100	0.1172		mg/Kg		117	70 - 130	14	35
m,p-Xylenes	<0.00399	U	0.200	0.2274		mg/Kg		114	70 - 130	14	35
o-Xylene	<0.00200	U	0.100	0.1105		mg/Kg		110	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

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

Lab Sample ID: MB 880-100233/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 100200 **Prep Batch: 100233**

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		01/14/25 10:22	01/14/25 16:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/14/25 10:22	01/14/25 16:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/14/25 10:22	01/14/25 16:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*145*	*S1+*	*70 - 130*	*01/14/25 10:22*	*01/14/25 16:11*	*1*
o-Terphenyl (Surr)	*272*	*S1+*	*70 - 130*	*01/14/25 10:22*	*01/14/25 16:11*	*1*

Lab Sample ID: LCS 880-100233/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 100200 **Prep Batch: 100233**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1076		mg/Kg		108	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

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

Lab Sample ID: LCS 880-100233/2-A
Matrix: Solid
Analysis Batch: 100200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100233

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*104*		*70 - 130*
o-Terphenyl (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-100233/3-A
Matrix: Solid
Analysis Batch: 100200

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100233

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1029		mg/Kg		103	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1084		mg/Kg		108	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*109*		*70 - 130*
o-Terphenyl (Surr)	*116*		*70 - 130*

Lab Sample ID: MB 880-100234/1-A
Matrix: Solid
Analysis Batch: 100195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 100234

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		01/14/25 10:26	01/14/25 23:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/14/25 10:26	01/14/25 23:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/14/25 10:26	01/14/25 23:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*76*		*70 - 130*	*01/14/25 10:26*	*01/14/25 23:48*	*1*
o-Terphenyl (Surr)	*77*		*70 - 130*	*01/14/25 10:26*	*01/14/25 23:48*	*1*

Lab Sample ID: LCS 880-100234/2-A
Matrix: Solid
Analysis Batch: 100195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100234

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	872.7		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	844.1		mg/Kg		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*88*		*70 - 130*
o-Terphenyl (Surr)	*83*		*70 - 130*

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

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

Lab Sample ID: LCSD 880-100234/3-A
Matrix: Solid
Analysis Batch: 100195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 100234

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	837.5		mg/Kg		84	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	821.2		mg/Kg		82	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*85*		*70 - 130*
o-Terphenyl (Surr)	*80*		*70 - 130*

Lab Sample ID: 880-53142-2 MS
Matrix: Solid
Analysis Batch: 100195

Client Sample ID: S-1 0.5
Prep Type: Total/NA
Prep Batch: 100234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	712.1		mg/Kg		71	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	752.5		mg/Kg		76	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*74*		*70 - 130*
o-Terphenyl (Surr)	*67*	*S1-*	*70 - 130*

Lab Sample ID: 880-53142-2 MSD
Matrix: Solid
Analysis Batch: 100195

Client Sample ID: S-1 0.5
Prep Type: Total/NA
Prep Batch: 100234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	996	645.1	F1	mg/Kg		65	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	725.0		mg/Kg		73	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*73*		*70 - 130*
o-Terphenyl (Surr)	*66*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100419/1-A
Matrix: Solid
Analysis Batch: 100434

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			01/16/25 16:05	1

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-100419/2-A
Matrix: Solid
Analysis Batch: 100434

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	234.5		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-100419/3-A
Matrix: Solid
Analysis Batch: 100434

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	235.1		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-53142-1 MS
Matrix: Solid
Analysis Batch: 100434

Client Sample ID: S-1 0
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	229	F1	252	508.2	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 880-53142-1 MSD
Matrix: Solid
Analysis Batch: 100434

Client Sample ID: S-1 0
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	229	F1	252	509.4	F1	mg/Kg		111	90 - 110	0	20

Lab Sample ID: 880-53142-11 MS
Matrix: Solid
Analysis Batch: 100434

Client Sample ID: S-6 0
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2840	F1	4970	8764	F1	mg/Kg		119	90 - 110		

Lab Sample ID: 880-53142-11 MSD
Matrix: Solid
Analysis Batch: 100434

Client Sample ID: S-6 0
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2840	F1	4970	8714	F1	mg/Kg		118	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

GC VOA

Analysis Batch: 100394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-1	S-1 0	Total/NA	Solid	8021B	100396
880-53142-2	S-1 0.5	Total/NA	Solid	8021B	100396
880-53142-3	S-2 0	Total/NA	Solid	8021B	100396
880-53142-4	S-2 0.5	Total/NA	Solid	8021B	100396
880-53142-5	S-3 0	Total/NA	Solid	8021B	100396
880-53142-6	S-3 0.5	Total/NA	Solid	8021B	100396
880-53142-7	S-4 0	Total/NA	Solid	8021B	100396
880-53142-8	S-4 0.5	Total/NA	Solid	8021B	100396
880-53142-9	S-5 0	Total/NA	Solid	8021B	100396
880-53142-10	S-5 0.5	Total/NA	Solid	8021B	100396
880-53142-11	S-6 0	Total/NA	Solid	8021B	100396
880-53142-12	S-6 0.5	Total/NA	Solid	8021B	100396
MB 880-100396/5-A	Method Blank	Total/NA	Solid	8021B	100396
LCS 880-100396/1-A	Lab Control Sample	Total/NA	Solid	8021B	100396
LCSD 880-100396/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100396
880-53142-1 MS	S-1 0	Total/NA	Solid	8021B	100396
880-53142-1 MSD	S-1 0	Total/NA	Solid	8021B	100396

Prep Batch: 100396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-1	S-1 0	Total/NA	Solid	5035	
880-53142-2	S-1 0.5	Total/NA	Solid	5035	
880-53142-3	S-2 0	Total/NA	Solid	5035	
880-53142-4	S-2 0.5	Total/NA	Solid	5035	
880-53142-5	S-3 0	Total/NA	Solid	5035	
880-53142-6	S-3 0.5	Total/NA	Solid	5035	
880-53142-7	S-4 0	Total/NA	Solid	5035	
880-53142-8	S-4 0.5	Total/NA	Solid	5035	
880-53142-9	S-5 0	Total/NA	Solid	5035	
880-53142-10	S-5 0.5	Total/NA	Solid	5035	
880-53142-11	S-6 0	Total/NA	Solid	5035	
880-53142-12	S-6 0.5	Total/NA	Solid	5035	
MB 880-100396/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100396/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100396/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53142-1 MS	S-1 0	Total/NA	Solid	5035	
880-53142-1 MSD	S-1 0	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 100195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-2	S-1 0.5	Total/NA	Solid	8015B NM	100234
880-53142-3	S-2 0	Total/NA	Solid	8015B NM	100234
880-53142-4	S-2 0.5	Total/NA	Solid	8015B NM	100234
880-53142-5	S-3 0	Total/NA	Solid	8015B NM	100234
880-53142-6	S-3 0.5	Total/NA	Solid	8015B NM	100234
880-53142-7	S-4 0	Total/NA	Solid	8015B NM	100234
880-53142-8	S-4 0.5	Total/NA	Solid	8015B NM	100234
880-53142-9	S-5 0	Total/NA	Solid	8015B NM	100234
880-53142-10	S-5 0.5	Total/NA	Solid	8015B NM	100234

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

GC Semi VOA (Continued)

Analysis Batch: 100195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-11	S-6 0	Total/NA	Solid	8015B NM	100234
880-53142-12	S-6 0.5	Total/NA	Solid	8015B NM	100234
MB 880-100234/1-A	Method Blank	Total/NA	Solid	8015B NM	100234
LCS 880-100234/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100234
LCSD 880-100234/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100234
880-53142-2 MS	S-1 0.5	Total/NA	Solid	8015B NM	100234
880-53142-2 MSD	S-1 0.5	Total/NA	Solid	8015B NM	100234

Analysis Batch: 100200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-1	S-1 0	Total/NA	Solid	8015B NM	100233
MB 880-100233/1-A	Method Blank	Total/NA	Solid	8015B NM	100233
LCS 880-100233/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100233
LCSD 880-100233/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100233

Prep Batch: 100233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-1	S-1 0	Total/NA	Solid	8015NM Prep	
MB 880-100233/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100233/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100233/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 100234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-2	S-1 0.5	Total/NA	Solid	8015NM Prep	
880-53142-3	S-2 0	Total/NA	Solid	8015NM Prep	
880-53142-4	S-2 0.5	Total/NA	Solid	8015NM Prep	
880-53142-5	S-3 0	Total/NA	Solid	8015NM Prep	
880-53142-6	S-3 0.5	Total/NA	Solid	8015NM Prep	
880-53142-7	S-4 0	Total/NA	Solid	8015NM Prep	
880-53142-8	S-4 0.5	Total/NA	Solid	8015NM Prep	
880-53142-9	S-5 0	Total/NA	Solid	8015NM Prep	
880-53142-10	S-5 0.5	Total/NA	Solid	8015NM Prep	
880-53142-11	S-6 0	Total/NA	Solid	8015NM Prep	
880-53142-12	S-6 0.5	Total/NA	Solid	8015NM Prep	
MB 880-100234/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100234/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100234/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53142-2 MS	S-1 0.5	Total/NA	Solid	8015NM Prep	
880-53142-2 MSD	S-1 0.5	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-1	S-1 0	Total/NA	Solid	8015 NM	
880-53142-2	S-1 0.5	Total/NA	Solid	8015 NM	
880-53142-3	S-2 0	Total/NA	Solid	8015 NM	
880-53142-4	S-2 0.5	Total/NA	Solid	8015 NM	
880-53142-5	S-3 0	Total/NA	Solid	8015 NM	
880-53142-6	S-3 0.5	Total/NA	Solid	8015 NM	
880-53142-7	S-4 0	Total/NA	Solid	8015 NM	
880-53142-8	S-4 0.5	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

GC Semi VOA (Continued)

Analysis Batch: 100305 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-9	S-5 0	Total/NA	Solid	8015 NM	
880-53142-10	S-5 0.5	Total/NA	Solid	8015 NM	
880-53142-11	S-6 0	Total/NA	Solid	8015 NM	
880-53142-12	S-6 0.5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-1	S-1 0	Soluble	Solid	DI Leach	
880-53142-2	S-1 0.5	Soluble	Solid	DI Leach	
880-53142-3	S-2 0	Soluble	Solid	DI Leach	
880-53142-4	S-2 0.5	Soluble	Solid	DI Leach	
880-53142-5	S-3 0	Soluble	Solid	DI Leach	
880-53142-6	S-3 0.5	Soluble	Solid	DI Leach	
880-53142-7	S-4 0	Soluble	Solid	DI Leach	
880-53142-8	S-4 0.5	Soluble	Solid	DI Leach	
880-53142-9	S-5 0	Soluble	Solid	DI Leach	
880-53142-10	S-5 0.5	Soluble	Solid	DI Leach	
880-53142-11	S-6 0	Soluble	Solid	DI Leach	
880-53142-12	S-6 0.5	Soluble	Solid	DI Leach	
MB 880-100419/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100419/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100419/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53142-1 MS	S-1 0	Soluble	Solid	DI Leach	
880-53142-1 MSD	S-1 0	Soluble	Solid	DI Leach	
880-53142-11 MS	S-6 0	Soluble	Solid	DI Leach	
880-53142-11 MSD	S-6 0	Soluble	Solid	DI Leach	

Analysis Batch: 100434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53142-1	S-1 0	Soluble	Solid	300.0	100419
880-53142-2	S-1 0.5	Soluble	Solid	300.0	100419
880-53142-3	S-2 0	Soluble	Solid	300.0	100419
880-53142-4	S-2 0.5	Soluble	Solid	300.0	100419
880-53142-5	S-3 0	Soluble	Solid	300.0	100419
880-53142-6	S-3 0.5	Soluble	Solid	300.0	100419
880-53142-7	S-4 0	Soluble	Solid	300.0	100419
880-53142-8	S-4 0.5	Soluble	Solid	300.0	100419
880-53142-9	S-5 0	Soluble	Solid	300.0	100419
880-53142-10	S-5 0.5	Soluble	Solid	300.0	100419
880-53142-11	S-6 0	Soluble	Solid	300.0	100419
880-53142-12	S-6 0.5	Soluble	Solid	300.0	100419
MB 880-100419/1-A	Method Blank	Soluble	Solid	300.0	100419
LCS 880-100419/2-A	Lab Control Sample	Soluble	Solid	300.0	100419
LCSD 880-100419/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100419
880-53142-1 MS	S-1 0	Soluble	Solid	300.0	100419
880-53142-1 MSD	S-1 0	Soluble	Solid	300.0	100419
880-53142-11 MS	S-6 0	Soluble	Solid	300.0	100419
880-53142-11 MSD	S-6 0	Soluble	Solid	300.0	100419

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

Client Sample ID: S-1 0

Date Collected: 01/13/25 11:37
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 11:46	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/14/25 22:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100233	01/14/25 10:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100200	01/14/25 22:59	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100434	01/16/25 16:23	CH	EET MID

Client Sample ID: S-1 0.5

Date Collected: 01/13/25 11:42
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-2

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	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 12:07	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 00:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 00:31	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100434	01/16/25 16:41	CH	EET MID

Client Sample ID: S-2 0

Date Collected: 01/13/25 11:45
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 12:27	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 01:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 01:16	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100434	01/16/25 16:47	CH	EET MID

Client Sample ID: S-2 0.5

Date Collected: 01/13/25 11:47
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-4

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			4.97 g	5 mL	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 12:48	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 01:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 01:30	TKC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

Client Sample ID: S-2 0.5

Lab Sample ID: 880-53142-4
Matrix: Solid
Date Collected: 01/13/25 11:47
Date Received: 01/14/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100434	01/16/25 16:53	CH	EET MID

Client Sample ID: S-3 0

Lab Sample ID: 880-53142-5
Matrix: Solid
Date Collected: 01/13/25 11:50
Date Received: 01/14/25 09:20

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	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 13:08	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 01:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 01:45	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100434	01/16/25 16:59	CH	EET MID

Client Sample ID: S-3 0.5

Lab Sample ID: 880-53142-6
Matrix: Solid
Date Collected: 01/13/25 11:52
Date Received: 01/14/25 09:20

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	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 13:29	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 02:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 02:00	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100434	01/16/25 17:16	CH	EET MID

Client Sample ID: S-4 0

Lab Sample ID: 880-53142-7
Matrix: Solid
Date Collected: 01/13/25 11:54
Date Received: 01/14/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 13:49	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 02:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 02:14	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100434	01/16/25 17:22	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

Client Sample ID: S-4 0.5

Date Collected: 01/13/25 11:56
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 14:10	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 02:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 02:29	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100434	01/16/25 17:28	CH	EET MID

Client Sample ID: S-5 0

Date Collected: 01/13/25 11:59
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 14:30	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 02:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 02:43	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100434	01/16/25 17:34	CH	EET MID

Client Sample ID: S-5 0.5

Date Collected: 01/13/25 12:02
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 16:14	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 02:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 02:58	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100434	01/16/25 17:40	CH	EET MID

Client Sample ID: S-6 0

Date Collected: 01/13/25 12:07
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 16:35	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 03:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 03:12	TKC	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

Client Sample ID: S-6 0

Date Collected: 01/13/25 12:07
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	100434	01/16/25 17:46	CH	EET MID

Client Sample ID: S-6 0.5

Date Collected: 01/13/25 12:09
Date Received: 01/14/25 09:20

Lab Sample ID: 880-53142-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100396	01/16/25 08:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100394	01/16/25 16:55	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100305	01/15/25 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100234	01/14/25 10:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100195	01/15/25 03:27	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100419	01/16/25 09:53	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100434	01/16/25 18:03	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

Method Summary

Client: Larson & Associates, Inc. Job ID: 880-53142-1
Project/Site: Chamaeleon SDG: 25-0101-01

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-53142-1
SDG: 25-0101-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53142-1	S-1 0	Solid	01/13/25 11:37	01/14/25 09:20
880-53142-2	S-1 0.5	Solid	01/13/25 11:42	01/14/25 09:20
880-53142-3	S-2 0	Solid	01/13/25 11:45	01/14/25 09:20
880-53142-4	S-2 0.5	Solid	01/13/25 11:47	01/14/25 09:20
880-53142-5	S-3 0	Solid	01/13/25 11:50	01/14/25 09:20
880-53142-6	S-3 0.5	Solid	01/13/25 11:52	01/14/25 09:20
880-53142-7	S-4 0	Solid	01/13/25 11:54	01/14/25 09:20
880-53142-8	S-4 0.5	Solid	01/13/25 11:56	01/14/25 09:20
880-53142-9	S-5 0	Solid	01/13/25 11:59	01/14/25 09:20
880-53142-10	S-5 0.5	Solid	01/13/25 12:02	01/14/25 09:20
880-53142-11	S-6 0	Solid	01/13/25 12:07	01/14/25 09:20
880-53142-12	S-6 0.5	Solid	01/13/25 12:09	01/14/25 09:20

No. 3189

CHAIN-OF-CUSTODY

880-53142 Chain of Custody

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

DATE: 1/14/2025 PAGE 1 OF 1

PO#: LAB WORK ORDER#: 53142

PROJECT LOCATION OR NAME: CHAMAELEON

LAI PROJECT #: 25-0101-01 COLLECTOR: DSG/KR

Data Reported to: DANIEL St. GERMAIN / MARK LARSON

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
S-1 0		1/13/25	11:37	S	1				X		X		X	X	X															X		
S-1 0.5			11:42																													
S-2 0			11:45																													
S-2 0.5			11:47																													
S-3 0			11:50																													
S-3 0.5			11:52																													
S-4 0			11:54																													
S-4 0.5			11:56																													
S-5 0			11:59																													
S-5 0.5			12:02																													
S-6 0			12:07																													
S-6 0.5			12:09																													

TOTAL 12

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
	1-14-25	926
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: 0.8/0.7 THERM#: IR8
CUSTODY SEALS - ☐ BROKEN ☑ INTACT ☐ NOT USED
☐ CARRIER BILL #
☑ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-53142-1
SDG Number: 25-0101-01

Login Number: 53142
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/23/2025 4:52:59 PM

JOB DESCRIPTION

Chamaeleon
25-0101-01

JOB NUMBER

880-57102-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Eurofins Midland

Job Notes

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

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

Authorization

Holly Taylor

Generated
4/23/2025 4:52:59 PM

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

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Laboratory Job ID: 880-57102-1
SDG: 25-0101-01

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-57102-1
Project/Site: Chamaeleon SDG: 25-0101-01

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low 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: 880-57102-1
Project: Chamaeleon

Job ID: 880-57102-1 Eurofins Midland

Job Narrative
880-57102-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/21/2025 9:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.9°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-5 1' (880-57102-1) and S-6 1' (880-57102-2).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-108180 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-108180/20).

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-5 1' (880-57102-1), (CCV 880-108276/30), (CCV 880-108276/73), (CCV 880-108276/84), (LCS 880-108161/2-A), (LCSD 880-108161/3-A), (890-7984-A-1-C), (890-7984-A-1-D MS) and (890-7984-A-1-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) for preparation batch 880-108161 and analytical batch 880-108276 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28). Since only an acceptable LCS or LCSD is required per the method, the LCS shows recovery for the batch therefore the data has been qualified and reported.

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. Job ID: 880-57102-1
Project/Site: Chamaeleon SDG: 25-0101-01

Client Sample ID: S-5 1'
Lab Sample ID: 880-57102-1
Date Collected: 04/15/25 10:27 **Matrix: Solid**
Date Received: 04/21/25 09:11

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		04/21/25 12:46	04/22/25 01:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/22/25 01:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/22/25 01:13	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/21/25 12:46	04/22/25 01:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/22/25 01:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/25 12:46	04/22/25 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*04/21/25 12:46*	*04/22/25 01:13*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/21/25 12:46*	*04/22/25 01:13*	*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			04/22/25 01:13	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			04/23/25 04:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/20/25 19:33	04/23/25 04:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		04/20/25 19:33	04/23/25 04:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/20/25 19:33	04/23/25 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*67*	*S1-*	*70 - 130*	*04/20/25 19:33*	*04/23/25 04:05*	*1*
o-Terphenyl (Surr)	*68*	*S1-*	*70 - 130*	*04/20/25 19:33*	*04/23/25 04:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**252**		9.96		mg/Kg			04/22/25 17:57	1

Client Sample ID: S-6 1'
Lab Sample ID: 880-57102-2
Date Collected: 04/15/25 10:32 **Matrix: Solid**
Date Received: 04/21/25 09:11

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		04/21/25 12:46	04/22/25 01:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/25 12:46	04/22/25 01:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/25 12:46	04/22/25 01:33	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/21/25 12:46	04/22/25 01:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/25 12:46	04/22/25 01:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/25 12:46	04/22/25 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*04/21/25 12:46*	*04/22/25 01:33*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/21/25 12:46*	*04/22/25 01:33*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57102-1
SDG: 25-0101-01

Client Sample ID: S-6 1'

Date Collected: 04/15/25 10:32
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57102-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/22/25 01:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/23/25 04:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/20/25 19:33	04/23/25 04:25	1
Diesel Range Organics (Over C10-C28)	<50.2	U *+ *1	50.2		mg/Kg		04/20/25 19:33	04/23/25 04:25	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/20/25 19:33	04/23/25 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*78*		*70 - 130*	*04/20/25 19:33*	*04/23/25 04:25*	*1*
o-Terphenyl (Surr)	*78*		*70 - 130*	*04/20/25 19:33*	*04/23/25 04:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**381**		9.92		mg/Kg			04/22/25 18:04	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57102-1
SDG: 25-0101-01

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)										
880-57102-1	S-5 1'	88	97										
880-57102-2	S-6 1'	85	100										
LCS 880-108219/1-A	Lab Control Sample	107	112										
LCSD 880-108219/2-A	Lab Control Sample Dup	119	106										
MB 880-108028/5-A	Method Blank	79	93										
MB 880-108219/5-A	Method Blank	82	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)										
880-57102-1	S-5 1'	67 S1-	68 S1-										
880-57102-2	S-6 1'	78	78										
LCS 880-108161/2-A	Lab Control Sample	18 S1-	14 S1-										
LCSD 880-108161/3-A	Lab Control Sample Dup	25 S1-	19 S1-										
MB 880-108161/1-A	Method Blank	79	80										

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57102-1
SDG: 25-0101-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-108028/5-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108028

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/17/25 17:07	04/21/25 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*04/17/25 17:07*	*04/21/25 11:49*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/17/25 17:07*	*04/21/25 11:49*	*1*

Lab Sample ID: MB 880-108219/5-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108219

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/25 12:46	04/21/25 23:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*04/21/25 12:46*	*04/21/25 23:08*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/21/25 12:46*	*04/21/25 23:08*	*1*

Lab Sample ID: LCS 880-108219/1-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108219

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09912		mg/Kg		99	70 - 130		
Toluene			0.100	0.09007		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.1147		mg/Kg		115	70 - 130		
m,p-Xylenes			0.200	0.2105		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1064		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-108219/2-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 108219

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1024		mg/Kg		102	70 - 130	3	35

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-57102-1
Project/Site: Chamaeleon SDG: 25-0101-01

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

Lab Sample ID: LCSD 880-108219/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 108180 **Prep Batch: 108219**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09156		mg/Kg		92	70 - 130	2	35
Ethylbenzene			0.100	0.1106		mg/Kg		111	70 - 130	4	35
m,p-Xylenes			0.200	0.2360		mg/Kg		118	70 - 130	11	35
o-Xylene			0.100	0.1167		mg/Kg		117	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-108161/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 108276 **Prep Batch: 108161**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/20/25 19:33	04/22/25 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/20/25 19:33	04/22/25 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/20/25 19:33	04/22/25 19:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*04/20/25 19:33*	*04/22/25 19:52*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*04/20/25 19:33*	*04/22/25 19:52*	*1*

Lab Sample ID: LCS 880-108161/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 108276 **Prep Batch: 108161**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1053		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1070		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*18*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*14*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-108161/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 108276 **Prep Batch: 108161**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1291		mg/Kg		129	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	1448	*+ *1	mg/Kg		145	70 - 130	30	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57102-1
SDG: 25-0101-01

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

Lab Sample ID: LCSD 880-108161/3-A
Matrix: Solid
Analysis Batch: 108276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 108161

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*25*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*19*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108296/1-A
Matrix: Solid
Analysis Batch: 108311

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			04/22/25 17:12	1

Lab Sample ID: LCS 880-108296/2-A
Matrix: Solid
Analysis Batch: 108311

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	261.0		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-108296/3-A
Matrix: Solid
Analysis Batch: 108311

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	257.8		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-57102-1
Project/Site: Chamaeleon SDG: 25-0101-01

GC VOA

Prep Batch: 108028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-108028/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 108180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57102-1	S-5 1'	Total/NA	Solid	8021B	108219
880-57102-2	S-6 1'	Total/NA	Solid	8021B	108219
MB 880-108028/5-A	Method Blank	Total/NA	Solid	8021B	108028
MB 880-108219/5-A	Method Blank	Total/NA	Solid	8021B	108219
LCS 880-108219/1-A	Lab Control Sample	Total/NA	Solid	8021B	108219
LCSD 880-108219/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	108219

Prep Batch: 108219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57102-1	S-5 1'	Total/NA	Solid	5035	
880-57102-2	S-6 1'	Total/NA	Solid	5035	
MB 880-108219/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-108219/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-108219/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 108317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57102-1	S-5 1'	Total/NA	Solid	Total BTEX	
880-57102-2	S-6 1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 108161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57102-1	S-5 1'	Total/NA	Solid	8015NM Prep	
880-57102-2	S-6 1'	Total/NA	Solid	8015NM Prep	
MB 880-108161/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108161/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108161/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 108276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57102-1	S-5 1'	Total/NA	Solid	8015B NM	108161
880-57102-2	S-6 1'	Total/NA	Solid	8015B NM	108161
MB 880-108161/1-A	Method Blank	Total/NA	Solid	8015B NM	108161
LCS 880-108161/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108161
LCSD 880-108161/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108161

Analysis Batch: 108417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57102-1	S-5 1'	Total/NA	Solid	8015 NM	
880-57102-2	S-6 1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 108296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57102-1	S-5 1'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57102-1
SDG: 25-0101-01

HPLC/IC (Continued)

Leach Batch: 108296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57102-2	S-6 1'	Soluble	Solid	DI Leach	
MB 880-108296/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108296/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108296/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 108311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57102-1	S-5 1'	Soluble	Solid	300.0	108296
880-57102-2	S-6 1'	Soluble	Solid	300.0	108296
MB 880-108296/1-A	Method Blank	Soluble	Solid	300.0	108296
LCS 880-108296/2-A	Lab Control Sample	Soluble	Solid	300.0	108296
LCSD 880-108296/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108296

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57102-1
SDG: 25-0101-01

Client Sample ID: S-5 1'

Date Collected: 04/15/25 10:27
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57102-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	108219	04/21/25 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108180	04/22/25 01:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108317	04/22/25 01:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			108417	04/23/25 04:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	108161	04/20/25 19:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108276	04/23/25 04:05	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	108296	04/22/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1			108311	04/22/25 17:57	CH	EET MID

Client Sample ID: S-6 1'

Date Collected: 04/15/25 10:32
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57102-2

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			5.03 g	5 mL	108219	04/21/25 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108180	04/22/25 01:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108317	04/22/25 01:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			108417	04/23/25 04:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	108161	04/20/25 19:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108276	04/23/25 04:25	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	108296	04/22/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1			108311	04/22/25 18:04	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-57102-1
Project/Site: Chamaeleon SDG: 25-0101-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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. Job ID: 880-57102-1
Project/Site: Chamaeleon SDG: 25-0101-01

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57102-1
SDG: 25-0101-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-57102-1	S-5 1'	Solid	04/15/25 10:27	04/21/25 09:11
880-57102-2	S-6 1'	Solid	04/15/25 10:32	04/21/25 09:11

No. 3373

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 4/21/2025 PAGE 1 OF 1

PO#: _____ LAB WORK ORDER#: 57102

PROJECT LOCATION OR NAME: CHAMELEON

LAI PROJECT #: 25-0101-01 COLLECTOR: ER

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST/MDT

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 ☐ | CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESSERVED	ANALYSES	FIELD NOTES
S-5 1'		4/15/25	1027	S	1				X		X BTEX, X GASOLINE MOD 8015, X DIESEL - MOD 8015, X OIL - MOD 8015, X CHLORIDE	
S-6 1'		4/15/25	1032	S	1				X		X BTEX, X GASOLINE MOD 8015, X DIESEL - MOD 8015, X OIL - MOD 8015, X CHLORIDE	
TOTAL 2												

880-57102 Chain of Custody

RELINQUISHED BY:(Signature) Daniel M Gomez DATE/TIME 4/21/25 RECEIVED BY: (Signature) 91

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: 6.4-6.9 THERM#: ER 24
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-57102-1
SDG Number: 25-0101-01

Login Number: 57102
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/23/2025 4:53:01 PM

JOB DESCRIPTION

Chamaeleon
25-0101-01

JOB NUMBER

880-57101-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

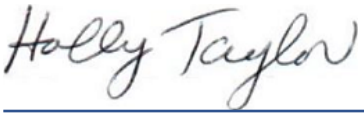
Eurofins Midland

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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4/23/2025 4:53:01 PM

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

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Laboratory Job ID: 880-57101-1
SDG: 25-0101-01

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-57101-1
Project/Site: Chamaeleon SDG: 25-0101-01

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low 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: 880-57101-1
Project: Chamaeleon

Job ID: 880-57101-1 Eurofins Midland

Job Narrative
880-57101-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 4/21/2025 9:11 AM. 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 -6.9°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: BF-1 (880-57101-1).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-108180 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-108180/20).

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-108276/30), (CCV 880-108276/73), (CCV 880-108276/84), (LCS 880-108161/2-A), (LCSD 880-108161/3-A), (890-7984-A-1-C), (890-7984-A-1-D MS) and (890-7984-A-1-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) for preparation batch 880-108161 and analytical batch 880-108276 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28). Since only an acceptable LCS or LCSD is required per the method, the LCS shows recovery for the batch therefore the data has been qualified and reported.

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: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

Client Sample ID: BF-1

Date Collected: 04/15/25 12:07
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57101-1

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		04/21/25 12:46	04/22/25 00:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/25 12:46	04/22/25 00:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/21/25 12:46	04/22/25 00:52	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		04/21/25 12:46	04/22/25 00:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/21/25 12:46	04/22/25 00:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/21/25 12:46	04/22/25 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/21/25 12:46*	*04/22/25 00:52*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*04/21/25 12:46*	*04/22/25 00:52*	*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			04/22/25 00:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/23/25 03:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/20/25 19:33	04/23/25 03:44	1
Diesel Range Organics (Over C10-C28)	<50.1	U *+ *1	50.1		mg/Kg		04/20/25 19:33	04/23/25 03:44	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/20/25 19:33	04/23/25 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*73*		*70 - 130*	*04/20/25 19:33*	*04/23/25 03:44*	*1*
o-Terphenyl (Surr)	*71*		*70 - 130*	*04/20/25 19:33*	*04/23/25 03:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**325**		10.1		mg/Kg			04/22/25 17:34	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

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)								
880-57101-1	BF-1	104	85								
LCS 880-108219/1-A	Lab Control Sample	107	112								
LCSD 880-108219/2-A	Lab Control Sample Dup	119	106								
MB 880-108028/5-A	Method Blank	79	93								
MB 880-108219/5-A	Method Blank	82	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)								
880-57101-1	BF-1	73	71								
LCS 880-108161/2-A	Lab Control Sample	18 S1-	14 S1-								
LCSD 880-108161/3-A	Lab Control Sample Dup	25 S1-	19 S1-								
MB 880-108161/1-A	Method Blank	79	80								

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-108028/5-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108028

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/17/25 17:07	04/21/25 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*04/17/25 17:07*	*04/21/25 11:49*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/17/25 17:07*	*04/21/25 11:49*	*1*

Lab Sample ID: MB 880-108219/5-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108219

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/25 12:46	04/21/25 23:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*04/21/25 12:46*	*04/21/25 23:08*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/21/25 12:46*	*04/21/25 23:08*	*1*

Lab Sample ID: LCS 880-108219/1-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108219

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09912		mg/Kg		99	70 - 130		
Toluene			0.100	0.09007		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.1147		mg/Kg		115	70 - 130		
m,p-Xylenes			0.200	0.2105		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1064		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-108219/2-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 108219

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1024		mg/Kg		102	70 - 130	3	35

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

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

Lab Sample ID: LCSD 880-108219/2-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 108219

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09156		mg/Kg		92	70 - 130	2	35
Ethylbenzene			0.100	0.1106		mg/Kg		111	70 - 130	4	35
m,p-Xylenes			0.200	0.2360		mg/Kg		118	70 - 130	11	35
o-Xylene			0.100	0.1167		mg/Kg		117	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-108161/1-A
Matrix: Solid
Analysis Batch: 108276

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108161

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/20/25 19:33	04/22/25 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/20/25 19:33	04/22/25 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/20/25 19:33	04/22/25 19:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*79*		*70 - 130*	*04/20/25 19:33*	*04/22/25 19:52*	*1*
o-Terphenyl (Surr)	*80*		*70 - 130*	*04/20/25 19:33*	*04/22/25 19:52*	*1*

Lab Sample ID: LCS 880-108161/2-A
Matrix: Solid
Analysis Batch: 108276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108161

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1053		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1070		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*18*	*S1-*	*70 - 130*
o-Terphenyl (Surr)	*14*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-108161/3-A
Matrix: Solid
Analysis Batch: 108276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 108161

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1291		mg/Kg		129	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	1448	*+ *1	mg/Kg		145	70 - 130	30	20

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

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

Lab Sample ID: LCSD 880-108161/3-A
Matrix: Solid
Analysis Batch: 108276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 108161

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	25	S1-	70 - 130
o-Terphenyl (Surr)	19	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108296/1-A
Matrix: Solid
Analysis Batch: 108311

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			04/22/25 17:12	1

Lab Sample ID: LCS 880-108296/2-A
Matrix: Solid
Analysis Batch: 108311

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	261.0		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-108296/3-A
Matrix: Solid
Analysis Batch: 108311

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	257.8		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-57101-1 MS
Matrix: Solid
Analysis Batch: 108311

Client Sample ID: BF-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	325		252	566.3		mg/Kg		96	90 - 110		

Lab Sample ID: 880-57101-1 MSD
Matrix: Solid
Analysis Batch: 108311

Client Sample ID: BF-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	325		252	567.2		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

GC VOA

Prep Batch: 108028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-108028/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 108180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57101-1	BF-1	Total/NA	Solid	8021B	108219
MB 880-108028/5-A	Method Blank	Total/NA	Solid	8021B	108028
MB 880-108219/5-A	Method Blank	Total/NA	Solid	8021B	108219
LCS 880-108219/1-A	Lab Control Sample	Total/NA	Solid	8021B	108219
LCSD 880-108219/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	108219

Prep Batch: 108219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57101-1	BF-1	Total/NA	Solid	5035	
MB 880-108219/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-108219/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-108219/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 108316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57101-1	BF-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 108161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57101-1	BF-1	Total/NA	Solid	8015NM Prep	
MB 880-108161/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108161/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108161/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 108276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57101-1	BF-1	Total/NA	Solid	8015B NM	108161
MB 880-108161/1-A	Method Blank	Total/NA	Solid	8015B NM	108161
LCS 880-108161/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108161
LCSD 880-108161/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108161

Analysis Batch: 108416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57101-1	BF-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 108296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57101-1	BF-1	Soluble	Solid	DI Leach	
MB 880-108296/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108296/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108296/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57101-1 MS	BF-1	Soluble	Solid	DI Leach	
880-57101-1 MSD	BF-1	Soluble	Solid	DI Leach	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

HPLC/IC

Analysis Batch: 108311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57101-1	BF-1	Soluble	Solid	300.0	108296
MB 880-108296/1-A	Method Blank	Soluble	Solid	300.0	108296
LCS 880-108296/2-A	Lab Control Sample	Soluble	Solid	300.0	108296
LCSD 880-108296/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108296
880-57101-1 MS	BF-1	Soluble	Solid	300.0	108296
880-57101-1 MSD	BF-1	Soluble	Solid	300.0	108296

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

Client Sample ID: BF-1

Date Collected: 04/15/25 12:07
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57101-1

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	108219	04/21/25 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108180	04/22/25 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108316	04/22/25 00:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			108416	04/23/25 03:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	108161	04/20/25 19:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108276	04/23/25 03:44	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	108296	04/22/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1			108311	04/22/25 17:34	CH	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: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57101-1
SDG: 25-0101-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-57101-1	BF-1	Solid	04/15/25 12:07	04/21/25 09:11

No. 3375

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 4/21/2025 PAGE 1 OF ___
PO#: ___ LAB WORK ORDER#: 57101
PROJECT LOCATION OR NAME: CHAMAELEON
LAI PROJECT #: 25-0101-01 COLLECTOR: IR

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MT/NM

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

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO3	H2SO4 ☐ 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
BF-1		4/15/25	1207	S					X		X		X	X	X											X			

TOTAL 1

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	4/21/25	[signature] 9:11
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Envirotech

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

LABORATORY USE ONLY:
RECEIVING TEMP: 6.8/6.9 THERM#: TK8
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

880-57101 Chain of Custody

Page 17 of 18

4/23/2025

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-57101-1
SDG Number: 25-0101-01

Login Number: 57101
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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/28/2025 12:19:57 PM

JOB DESCRIPTION

Chamaeleon
25-0101-01

JOB NUMBER

880-57103-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

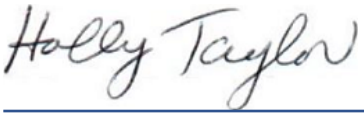
Eurofins Midland

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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Authorized for release by
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Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Laboratory Job ID: 880-57103-1
SDG: 25-0101-01

Table of Contents

Definitions/Glossary

Client: Larson & Associates, Inc. Job ID: 880-57103-1
Project/Site: Chamaeleon SDG: 25-0101-01

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc. Job ID: 880-57103-1
Project: Chamaeleon

Job ID: 880-57103-1 Eurofins Midland

Job Narrative
880-57103-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/21/2025 9:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.9°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: C-1 1' (880-57103-1) and C-2 0-1' (880-57103-2).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-108180 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-108180/20).

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 method blank for preparation batch 880-108212 and analytical batch 880-108758 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-108212 and analytical batch 880-108758 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.

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: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

Client Sample ID: C-1 1'

Date Collected: 04/15/25 10:41
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57103-1
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		04/21/25 12:46	04/22/25 01:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/21/25 12:46	04/22/25 01:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/21/25 12:46	04/22/25 01:54	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		04/21/25 12:46	04/22/25 01:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/21/25 12:46	04/22/25 01:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/21/25 12:46	04/22/25 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/21/25 12:46*	*04/22/25 01:54*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/21/25 12:46*	*04/22/25 01:54*	*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			04/22/25 01:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/27/25 05:07	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/21/25 11:46	04/27/25 05:07	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/21/25 11:46	04/27/25 05:07	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/21/25 11:46	04/27/25 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*04/21/25 11:46*	*04/27/25 05:07*	*1*
o-Terphenyl (Surr)	*94*		*70 - 130*	*04/21/25 11:46*	*04/27/25 05:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**206**		9.92		mg/Kg			04/22/25 18:12	1

Client Sample ID: C-2 0-1'

Date Collected: 04/15/25 10:53
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57103-2
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		04/21/25 12:46	04/22/25 02:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/25 12:46	04/22/25 02:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/25 12:46	04/22/25 02:15	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		04/21/25 12:46	04/22/25 02:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/25 12:46	04/22/25 02:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/25 12:46	04/22/25 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*04/21/25 12:46*	*04/22/25 02:15*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/21/25 12:46*	*04/22/25 02:15*	*1*

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

Client Sample ID: C-2 0-1'

Date Collected: 04/15/25 10:53
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57103-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/22/25 02:15	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			04/27/25 05:51	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/21/25 11:46	04/27/25 05:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/21/25 11:46	04/27/25 05:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/21/25 11:46	04/27/25 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*122*		*70 - 130*	*04/21/25 11:46*	*04/27/25 05:51*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*04/21/25 11:46*	*04/27/25 05:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		10.0		mg/Kg			04/22/25 18:19	1

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

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)
880-57103-1	C-1 1'	93	84
880-57103-2	C-2 0-1'	87	94
LCS 880-108219/1-A	Lab Control Sample	107	112
LCSD 880-108219/2-A	Lab Control Sample Dup	119	106
MB 880-108028/5-A	Method Blank	79	93
MB 880-108219/5-A	Method Blank	82	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)
880-57103-1	C-1 1'	99	94
880-57103-1 MS	C-1 1'	126	116
880-57103-1 MSD	C-1 1'	130	119
880-57103-2	C-2 0-1'	122	115
LCS 880-108212/2-A	Lab Control Sample	128	123
LCSD 880-108212/3-A	Lab Control Sample Dup	127	120
MB 880-108212/1-A	Method Blank	140 S1+	142 S1+

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-108028/5-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108028

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/25 17:07	04/21/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/17/25 17:07	04/21/25 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*04/17/25 17:07*	*04/21/25 11:49*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/17/25 17:07*	*04/21/25 11:49*	*1*

Lab Sample ID: MB 880-108219/5-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108219

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/25 12:46	04/21/25 23:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/25 12:46	04/21/25 23:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*04/21/25 12:46*	*04/21/25 23:08*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/21/25 12:46*	*04/21/25 23:08*	*1*

Lab Sample ID: LCS 880-108219/1-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108219

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09912		mg/Kg		99	70 - 130		
Toluene			0.100	0.09007		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.1147		mg/Kg		115	70 - 130		
m,p-Xylenes			0.200	0.2105		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1064		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-108219/2-A
Matrix: Solid
Analysis Batch: 108180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 108219

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1024		mg/Kg		102	70 - 130	3	35

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc. Job ID: 880-57103-1
Project/Site: Chamaeleon SDG: 25-0101-01

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

Lab Sample ID: LCSD 880-108219/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 108180 **Prep Batch: 108219**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09156		mg/Kg		92	70 - 130	2	35
Ethylbenzene			0.100	0.1106		mg/Kg		111	70 - 130	4	35
m,p-Xylenes			0.200	0.2360		mg/Kg		118	70 - 130	11	35
o-Xylene			0.100	0.1167		mg/Kg		117	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

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

Lab Sample ID: MB 880-108212/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 108758 **Prep Batch: 108212**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/21/25 11:46	04/27/25 04:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/25 11:46	04/27/25 04:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/25 11:46	04/27/25 04:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*140*	*S1+*	*70 - 130*	*04/21/25 11:46*	*04/27/25 04:23*	*1*
o-Terphenyl (Surr)	*142*	*S1+*	*70 - 130*	*04/21/25 11:46*	*04/27/25 04:23*	*1*

Lab Sample ID: LCS 880-108212/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 108758 **Prep Batch: 108212**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1298		mg/Kg		130	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1120		mg/Kg		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*128*		*70 - 130*
o-Terphenyl (Surr)	*123*		*70 - 130*

Lab Sample ID: LCSD 880-108212/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 108758 **Prep Batch: 108212**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1291		mg/Kg		129	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1125		mg/Kg		113	70 - 130	0	20

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

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

Lab Sample ID: LCSD 880-108212/3-A
Matrix: Solid
Analysis Batch: 108758

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 108212

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	127		70 - 130
o-Terphenyl (Surr)	120		70 - 130

Lab Sample ID: 880-57103-1 MS
Matrix: Solid
Analysis Batch: 108758

Client Sample ID: C-1 1'
Prep Type: Total/NA
Prep Batch: 108212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1055		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1039		mg/Kg		102	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	126		70 - 130
o-Terphenyl (Surr)	116		70 - 130

Lab Sample ID: 880-57103-1 MSD
Matrix: Solid
Analysis Batch: 108758

Client Sample ID: C-1 1'
Prep Type: Total/NA
Prep Batch: 108212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1084		mg/Kg		108	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1062		mg/Kg		104	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	130		70 - 130
o-Terphenyl (Surr)	119		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108296/1-A
Matrix: Solid
Analysis Batch: 108311

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			04/22/25 17:12	1

Lab Sample ID: LCS 880-108296/2-A
Matrix: Solid
Analysis Batch: 108311

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	261.0		mg/Kg		104	90 - 110		

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-108296/3-A
Matrix: Solid
Analysis Batch: 108311

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	257.8		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Larson & Associates, Inc. Job ID: 880-57103-1
Project/Site: Chamaeleon SDG: 25-0101-01

GC VOA

Prep Batch: 108028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-108028/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 108180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57103-1	C-1 1'	Total/NA	Solid	8021B	108219
880-57103-2	C-2 0-1'	Total/NA	Solid	8021B	108219
MB 880-108028/5-A	Method Blank	Total/NA	Solid	8021B	108028
MB 880-108219/5-A	Method Blank	Total/NA	Solid	8021B	108219
LCS 880-108219/1-A	Lab Control Sample	Total/NA	Solid	8021B	108219
LCSD 880-108219/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	108219

Prep Batch: 108219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57103-1	C-1 1'	Total/NA	Solid	5035	
880-57103-2	C-2 0-1'	Total/NA	Solid	5035	
MB 880-108219/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-108219/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-108219/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 108318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57103-1	C-1 1'	Total/NA	Solid	Total BTEX	
880-57103-2	C-2 0-1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 108212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57103-1	C-1 1'	Total/NA	Solid	8015NM Prep	
880-57103-2	C-2 0-1'	Total/NA	Solid	8015NM Prep	
MB 880-108212/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108212/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108212/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-57103-1 MS	C-1 1'	Total/NA	Solid	8015NM Prep	
880-57103-1 MSD	C-1 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 108758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57103-1	C-1 1'	Total/NA	Solid	8015B NM	108212
880-57103-2	C-2 0-1'	Total/NA	Solid	8015B NM	108212
MB 880-108212/1-A	Method Blank	Total/NA	Solid	8015B NM	108212
LCS 880-108212/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108212
LCSD 880-108212/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108212
880-57103-1 MS	C-1 1'	Total/NA	Solid	8015B NM	108212
880-57103-1 MSD	C-1 1'	Total/NA	Solid	8015B NM	108212

Analysis Batch: 108859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57103-1	C-1 1'	Total/NA	Solid	8015 NM	
880-57103-2	C-2 0-1'	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

HPLC/IC

Leach Batch: 108296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57103-1	C-1 1'	Soluble	Solid	DI Leach	
880-57103-2	C-2 0-1'	Soluble	Solid	DI Leach	
MB 880-108296/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108296/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108296/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 108311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57103-1	C-1 1'	Soluble	Solid	300.0	108296
880-57103-2	C-2 0-1'	Soluble	Solid	300.0	108296
MB 880-108296/1-A	Method Blank	Soluble	Solid	300.0	108296
LCS 880-108296/2-A	Lab Control Sample	Soluble	Solid	300.0	108296
LCSD 880-108296/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108296

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

Client Sample ID: C-1 1'

Date Collected: 04/15/25 10:41
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57103-1

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			4.95 g	5 mL	108219	04/21/25 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108180	04/22/25 01:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108318	04/22/25 01:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			108859	04/27/25 05:07	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	108212	04/21/25 11:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108758	04/27/25 05:07	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	108296	04/22/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1			108311	04/22/25 18:12	CH	EET MID

Client Sample ID: C-2 0-1'

Date Collected: 04/15/25 10:53
Date Received: 04/21/25 09:11

Lab Sample ID: 880-57103-2

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			5.03 g	5 mL	108219	04/21/25 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108180	04/22/25 02:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108318	04/22/25 02:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			108859	04/27/25 05:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	108212	04/21/25 11:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108758	04/27/25 05:51	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	108296	04/22/25 10:00	SMC	EET MID
Soluble	Analysis	300.0		1			108311	04/22/25 18:19	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Larson & Associates, Inc. Job ID: 880-57103-1
Project/Site: Chamaeleon SDG: 25-0101-01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaeleon

Job ID: 880-57103-1
SDG: 25-0101-01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-57103-1	C-1 1'	Solid	04/15/25 10:41	04/21/25 09:11
880-57103-2	C-2 0-1'	Solid	04/15/25 10:53	04/21/25 09:11

No. 3374

CHAIN-OF-CUSTODY

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

Data Reported to:

DATE: 4/21/2025 PAGE 1 OF 1

PO#: _____ LAB WORK ORDER#: 57103

PROJECT LOCATION OR NAME: CHAMAELEON

LAI PROJECT #: 25-0101-01 COLLECTOR: JR

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 ☐	pH ☐ HEXAVALENT CHROMIUM ☐	CYANIDE ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-1 0'		4/15/25	1041	S	1				X		X			X	X	X																X				
C-2 0-1'		4/15/25	1053	S	1				X		X			X	X	X																X				

TOTAL 2

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
Daniel Gehrmo	4/21/2025	911
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: -0.2/0.9 THERM#: IR4
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

880-57103 Chain of Custody

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-57103-1
SDG Number: 25-0101-01

Login Number: 57103
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

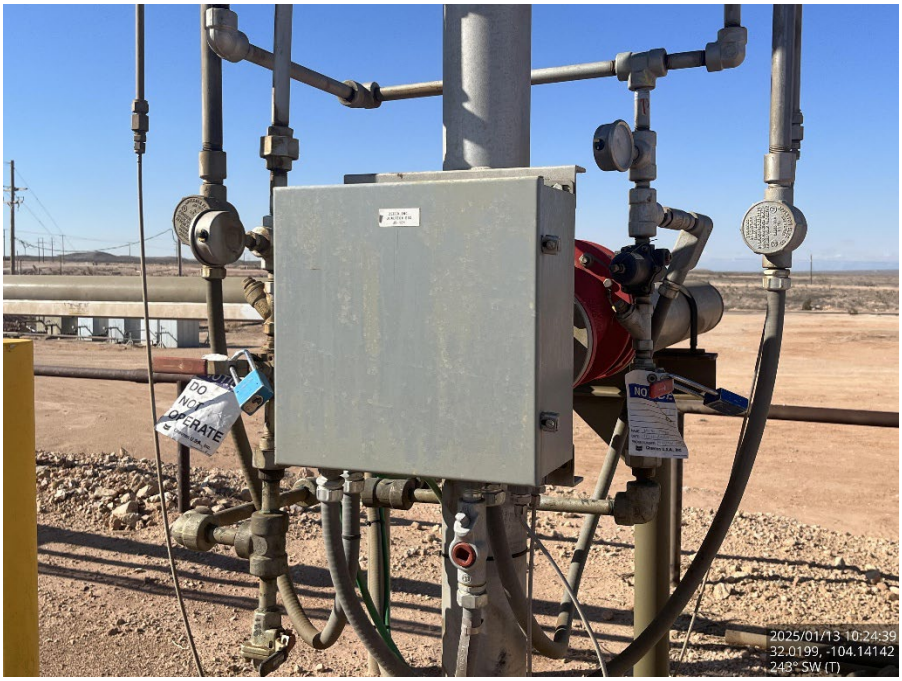
Photographic Documentation

Area of spill near flare, viewing southwest.

Spill area near flare, viewing south.

Spill area near flare, viewing northeast.

Spill area, viewing north.



Electrical box by the flare, viewing southwest.

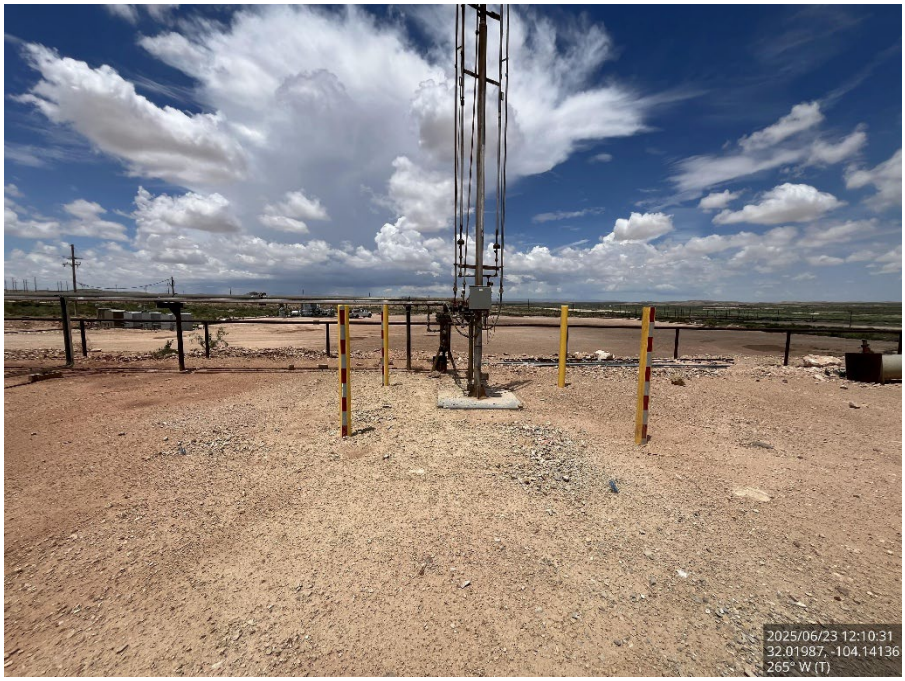
Excavated area, viewing west.

Excavated area, viewing south.

Excavated area, viewing east.

Excavated area, viewing northeast.

Excavated area, viewing north.



Backfilled excavation, viewing north.

Backfilled excavation, viewing west.

Backfilled excavation, viewing south.

Backfilled excavation, viewing east.

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

QUESTIONS

Action 491816

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 491816
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500852292**
Incident Name	**NAPP2500852292 CHAMAELEON BIN STATE COM BATTERY @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2131330137] Chamaeleon BIN State Com Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CHAMAELEON BIN STATE COM BATTERY
Date Release Discovered	12/29/2024
Surface Owner	State

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

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

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 491816
	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)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(2) an unauthorized release of a volume that:** **(a) results in a fire or is the result of a fire.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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

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

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 02/04/2025

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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: 491816
	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	NM OSE iWaters Database Search
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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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 ½ and 1 (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)	2840
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	2020
GRO+DRO	(EPA SW-846 Method 8015M)	2020
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		03/15/2025
On what date will (or did) the final sampling or liner inspection occur		04/01/2025
On what date will (or was) the remediation complete(d)		04/15/2025
What is the estimated surface area (in square feet) that will be reclaimed		0
What is the estimated volume (in cubic yards) that will be reclaimed		0
What is the estimated surface area (in square feet) that will be remediated		200
What is the estimated volume (in cubic yards) that will be remediated		25
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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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: 491816
	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	LEA LAND LANDFILL [fEEM0112342028]
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	No
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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 02/04/2025
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.	

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: 491816
	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
	Action Number: 491816
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**450919**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**04/15/2025**
What was the (estimated) number of samples that were to be gathered	**4**
What was the sampling surface area in square feet	**200**

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	106
What was the total volume (cubic yards) remediated	3.9
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	106
What was the total volume (in cubic yards) reclaimed	3.9
Summarize any additional remediation activities not included by answers (above)	Between April 14 and 15, 2025, Warrior Technologies (Warrior), under the guidance of LAI personnel removed approximately 3.9 cubic yards of impacted soil from an area of about 106 square feet using hydro-excavation methods. The hydrovac media 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: 08/04/2025

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QUESTIONS (continued)

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	Action Number: 491816
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 491816

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 491816
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/25/2025