

Tracking Number: nAPP2313648339
Remediation and Closure Report
Produced Water Release
Chamaeleon BIN State Com Battery
Eddy County, New Mexico

Latitude: N 32.019736°
Longitude: W -104.14068°

LAI Project No. 23-0102-05

April 30, 2024

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

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



Mark J. Larson, P.G.
Certified Professional Geologist #10490



Robert Nelson
Project Manager

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Chevron USA Inc., Chamaeleon BIN State Com Battery
April 30, 2024

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this remediation and closure report on behalf of Chevron USA, Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (NMOCD) District II for a produced water release at the Chamaeleon BIN State Com Battery (Site) located in Unit B (NW/NE), Section 25, Township 26 South, Range 27 East in Eddy County, New Mexico. The geodetic position is North 32.019736° and West -104.14068°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on May 6, 2023, due to a load line valve left open. Chevron reported that 10,531 barrels (bbls) of produced water were released, with no fluid recovered. The affected area measures approximately 5,211 square feet. The initial C-141 was submitted to NMOCD District II on May 16, 2023. The release was assigned incident number nAPP2313648339. Appendix A presents the initial C-141 and spill calculation.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,098 feet above mean sea level (msl).
- The surface topography gradually decreases to the northwest.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as “High Risk” potential.
- The soils are designated as Gypsum land-Cottonwood complex, 0 to 3 percent slopes, consisting of 8 inches of loam, underlain by 8 to 60 inches of bedrock.
- The geology consists of Castile Formation (Upper Permian), dominantly anhydrite sequence (USGS).
- Groundwater was reported at approximately 50 feet below ground surface (bgs) in 2002.
- According to the New Mexico Office of the State Engineer (OSE) the nearest freshwater well is located approximately 2 miles or 10,572 feet northwest of the Site in Section 22, Township 26 South, Range 27 East.

Appendix B presents USGS data depicting karst risk potential map. Appendix C presents the NMOSE soil boring log.

1.3 Remediation Standards

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 100 mg/Kg
- Chloride 600 mg/Kg

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

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2.0 DELINEATION

The release was fully delineated between June 27, 2023, and July 25, 2023. The delineation was reported to the NMOCD in the document titled "*Tracking Number: nAPP2311640670, Delineation Report and Remediation Plan, Chamaeleon BIN State Com Battery, Produced Water Release, Lea County, New Mexico, August 22, 2023*" and recommended the following remediation:

- Excavate soil to a depth of approximately 1.5 feet bgs from an area measuring about 5,767 square feet encompassing sample locations S-3, S-4, S-5, and S-6.
- Excavate soil to a depth of approximately two (2) feet bgs from an area measuring about 960 square feet encompassing sample location S-2.
- Excavate soil to a depth of approximately six (6) feet bgs from an area measuring about 875 square feet encompassing sample location S-9.
- Collect five (5) point composite bottom and sidewall confirmation soil samples every 200 square feet and analyze for BTEX, TPH and chloride to confirm concentrations below the NMOCD closure criteria in Table 1 (19.15.29 NMAC) for groundwater occurring at a depth less than 50 feet bgs.
- Backfill excavation with clean caliche on the production pad assuming achievement of NMOCD remediation levels.
- Prepare report with photographs for submittal to NMOCD District II.

The NMOCD conditionally approved the report and remediation plan on January 29, 2024, stating that *"The Remediation Plan is Conditionally Approved. Due to the sensitive nature of the release location and the site being located within high karst, the site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. All Sample must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall/edge samples should be delineated/excavated to 600 mg/Kg for chloride and 100 mg/Kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft2. The work will need to occur in 90 days after the report has been reviewed."*

3.0 REMEDIATION

Between January 22 - 24, 2024, SDR Enterprises, LLC (SDR), under supervision from LAI personnel excavated soil to a depth of approximately two (2) feet bgs encompassing sample locations S-2 through S-6 over an area measuring approximately 6,081 square feet. Approximately 450 cubic yards of contaminated soil were stockpiled on a liner adjacent to the excavation area prior to being hauled to the R360 Red Bluff disposal facility, located approximately 13 miles northwest of Orla, Texas. On January 24, 2024, LAI personnel collected thirty-six (36) bottom and sidewall confirmation soil samples (C-1 through C-36) from within excavated area.

Soil samples were delivered under chain of custody (COC) and preservation to Eurofins-Xenco (Xenco) in Midland, Texas. The laboratory analyzed the samples for benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH) including gasoline range organics (C6-C10), diesel range

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organics (>C10-C28), and oil range organics (>C28-C36), and chloride by EPA Methods SW-846 8021B, 8015M, and EPA Method 300.0E, respectively. The laboratory reported two (2) bottom confirmation soil samples (C-12 and C-19) above the NMOCD closure criteria for TPH of 100 mg/kg at 351 mg/Kg and 171 mg/Kg, respectively.

On April 3, 2024, SDR excavated additional soil encompassing the above mentioned sample locations and completed the excavation within the six (6) foot excavation area encompassing sample location S-9 measuring approximately 543 square feet with a hammer hoe. Approximately 120 cubic yards of contaminated soil was removed and stockpiled on a liner. Additional bottom and sidewall confirmation soil samples (C-37 through C-42) were collected within the six (6) foot excavated area. Laboratory analysis reported all confirmation soil samples below the NMOCD closure criteria for groundwater occurring at a depth of less than 51 feet bgs.

On April 15, 2024, LAI personnel collected two (2) composite soil samples of backfill material (BF-1 and BF-2) from a borrow pit in Unit N, Section 2, Township 26 South, Range 27 East, in Eddy County, New Mexico. Xenco analyzed the samples for BTEX, TPH, and chloride, and reported benzene, BTEX, and TPH were below the method reporting limit (RL's) and chloride was less than 600 mg/Kg.

Between April 15 – 17, 2024, SDR backfilled the Site with caliche obtained from the borrow pit and watered/compacted the pad to resemble surface conditions prior to the remediation. Also, the remaining 120 cubic yards of contaminated soil was hauled to the R360 Red Bluff disposal facility. Table 2 presents the confirmation and backfill soil sample analytical data summary. Figure 3 presents an aerial map showing the excavation areas and confirmation soil sample locations. Appendix D presents the NMOCD communications. Appendix E presents the laboratory reports. Appendix F presents the photographic documentation.

4.0 CLOSURE REQUEST

Chevron requests no further action for nAPP2313648339.

Tables

Table 1
Soil Sample Analytical Data Summary
Chevron - Chamaeleon BIN State Com Battery
Eddy County, New Mexico
32° 01' 11.05" N, 104° 8' 26.45" W

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100			600	
S-1	0 - 1	6/27/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	108
S-2	0 - 1	6/27/2023	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	2,270
	1	7/25/2023	In-Situ	<0.00200	<0.00399	<50.0	53.3	<50.0	53.3	1,530
	3	7/25/2023	In-Situ	<0.00198	<0.00397	<50.3	<50.3	<50.3	<50.3	70.2
	5	7/25/2023	In-Situ	<0.00202	<0.00403	<50.1	<50.1	<50.1	<50.1	242
S-3	0 - 1	6/27/2023	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	3,620
	1	7/25/2023	In-Situ	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	458
	3	7/25/2023	In-Situ	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	94.5
	5	7/25/2023	In-Situ	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	235
S-4	0 - 0.5	6/27/2023	In-Situ	<0.00201	<0.00402	<50.0	1,330	<50.0	1,330	3,710
	1	7/25/2023	In-Situ	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	305
	3	7/25/2023	In-Situ	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	66.1
	5	7/25/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	132
	10	7/25/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	563
S-5	0 - 1	6/27/2023	In-Situ	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	7,910
	1	7/25/2023	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	140
	3	7/25/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	73.9
	5	7/25/2023	In-Situ	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4	92.4
S-6	0 - 0.5	6/27/2023	In-Situ	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	1,980
	1	7/25/2023	In-Situ	<0.00202	<0.00404	<50.2	<50.2	<50.2	<50.2	223
	3	7/25/2023	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	117
	5	7/25/2023	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	217

Table 1
Soil Sample Analytical Data Summary
Chevron - Chamaeleon BIN State Com Battery
Eddy County, New Mexico
32° 01' 11.05" N, 104° 8' 26.45" W

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Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Delineation Limit:				10	50	100			600	
S-7	0 - 1	6/27/2023	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	333
S-8	0 - 1	6/27/2023	In-Situ	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	53.3
S-9	0 - 1	6/27/2023	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	6,000
	2	6/27/2023	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	5,400
	1	7/25/2023	In-Situ	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	839
	3	7/25/2023	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	358
	5	7/25/2023	In-Situ	<0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2	665
	8	7/25/2023	In-Situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	453
S-10	0 - 1	8/7/2023	In-Situ	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	57.3
S-11	0 - 1	7/25/2023	In-Situ	<0.00199	<0.00398	<50.2	53.2	<50.2	53.2	459

Notes: Analysis performed by and Xenco Laboratories in Midland, Texas by EPA SW-846 8021B (BTEX), 8015M (TPH), and 300E (Chloride)

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

<: denotes concentration less than analytical method reporting limit

Bold and Highlighted exceeds OCD remediation action limits

Table 2
Confirmation Soil Sample Analytical Data Summary
Chamaeleon State Com Battery
Lea County, New Mexico
32° 01' 11.06" N, 104° 08' 28.83" W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				100	600
C-1	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	385
C-2	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	126
C-3	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	109
C-4	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	141
C-5	Bottom	2	01/24/2024	In-Situ	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	180
C-6	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	174
C-7	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	197
C-8	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	78.4
C-9	Bottom	2	01/24/2024	In-Situ	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	116
C-10	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	108
C-11	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	58.8
C-12	Bottom	2	01/24/2024	Excavated	<0.00200	<0.00399	<49.9	351	<49.9	351	112
		3	04/03/2024	In-Situ	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	39.0
C-13	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00401	<49.5	<49.5	<49.5	<49.5	283
C-14	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	438
C-15	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	24.9
C-16	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00399	<50.3	85.8	<50.3	85.8	204
C-17	Bottom	2	01/24/2024	In-Situ	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	434
C-18	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	162
C-19	Bottom	2	01/24/2024	Excavated	<0.00198	<0.00396	<50.4	171	<50.4	171	143
			04/03/2024	In-Situ	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	38.4
C-20	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	101
C-21	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	178
C-22	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	149
C-23	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	119
C-24	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	91.6
C-25	Bottom	2	01/24/2024	In-Situ	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	227
C-26	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	40.7

Table 2
Confirmation Soil Sample Analytical Data Summary
Chamaeleon State Com Battery
Lea County, New Mexico
32° 01' 11.06" N, 104° 08' 28.83" W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				100	600
C-27	Bottom	2	01/24/2024	In-Situ	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	182
C-28	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00399	<49.9	96.8	<49.9	96.8	340
C-29	Bottom	2	01/24/2024	In-Situ	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	105
C-30	Bottom	2	01/24/2024	In-Situ	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	160
C-31	Bottom	2	01/24/2024	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	161
C-32	Sidewall	2	01/24/2024	In-Situ	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	523
C-33	Sidewall	2	01/24/2024	In-Situ	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	108
C-34	Sidewall	2	01/24/2024	In-Situ	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	192
C-35	Sidewall	2	01/24/2024	In-Situ	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	285
C-36	Sidewall	2	01/24/2024	In-Situ	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	281
C-37	Bottom	6	04/03/2024	In-Situ	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	103
C-38	Bottom	6	04/03/2024	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	93.4
C-39	Bottom	6	04/03/2024	In-Situ	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	33.9
C-40	Sidewall	0 - 6	04/03/2024	In-Situ	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	47.5
C-41	Sidewall	0 - 6	04/03/2024	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	21.3
C-42	Sidewall	0 - 6	04/03/2024	In-Situ	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	17.5
Backfill Samples											
BF-1	--	--	04/15/2024	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	129
BF-2	--	--	04/15/2024	In-Situ	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	124

Notes:

Analysis performed by Eurofins-Xenco Laboratories (Xenco), 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)

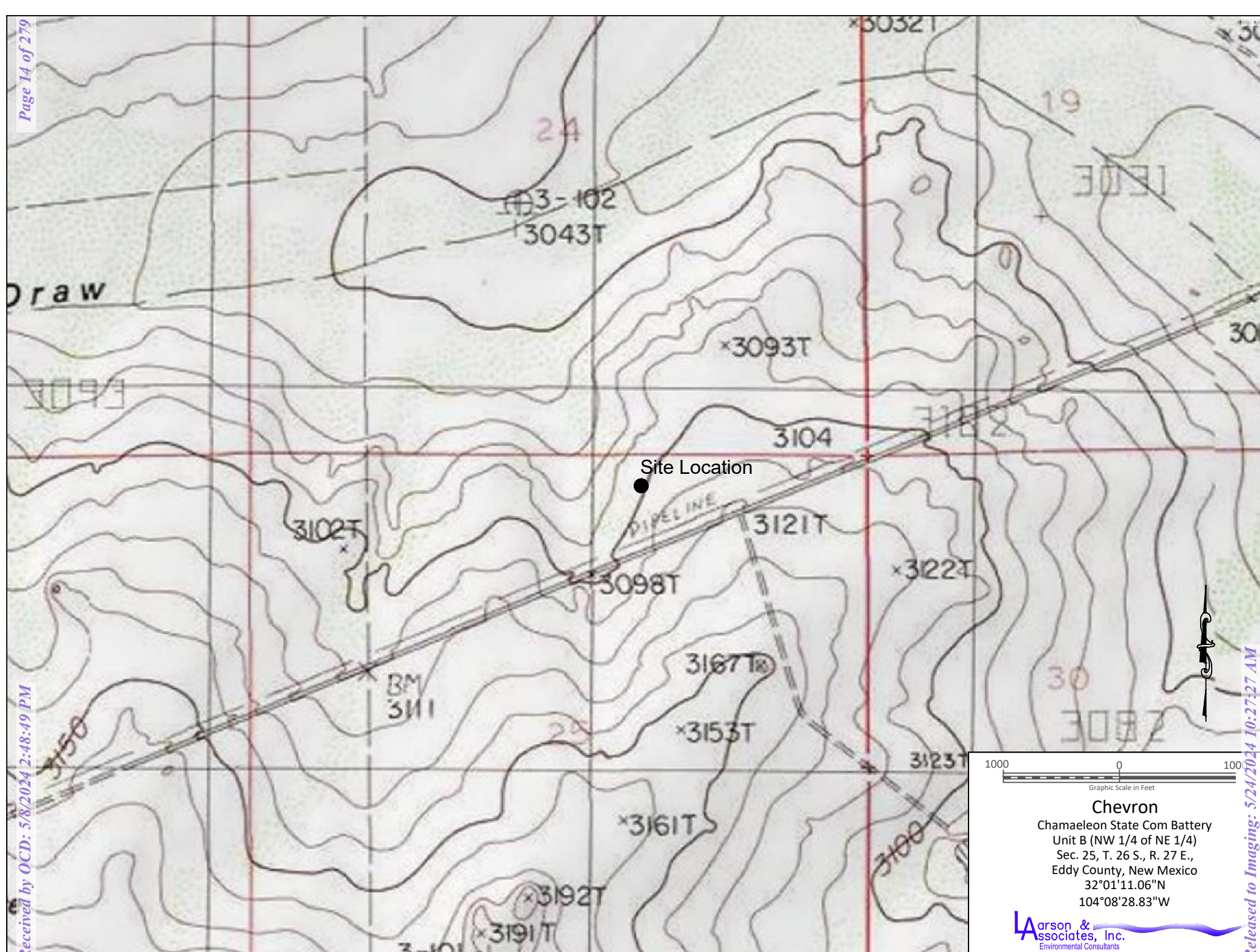
<: indicates that parameter concentration is below method analytical reporting limit

Depth reported in feet below ground surface (bgs)

Table 2
Confirmation Soil Sample Analytical Data Summary
Chamaeleon State Com Battery
Lea County, New Mexico
32° 01' 11.06" N, 104° 08' 28.83" W

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
Closure Criteria:					10	50				100	600
Bold and highlighted indicates parameter concentration is above NMOCD closure criteria											

Figures



Chevron
Chamaeleon State Com Battery
Unit B (NW 1/4 of NE 1/4)
Sec. 25, T. 26 S., R. 27 E.,
Eddy County, New Mexico
32°01'11.06"N
104°08'28.83"W

Larson & Associates, Inc.
Environmental Consultants



Legend

- Spill Area
- Soil Sample Location

50 0 50
Graphic Scale in Feet

Chevron
Chamaeleon State Com Battery
Unit B (NW 1/4 of NE 1/4)
Sec. 25, T. 26 S., R. 27 E.,
Eddy County, New Mexico
32°01'11.06"N
104°08'28.83"W

Larson & Associates, Inc.
Environmental Consultants

Figure 2 - Aerial Map

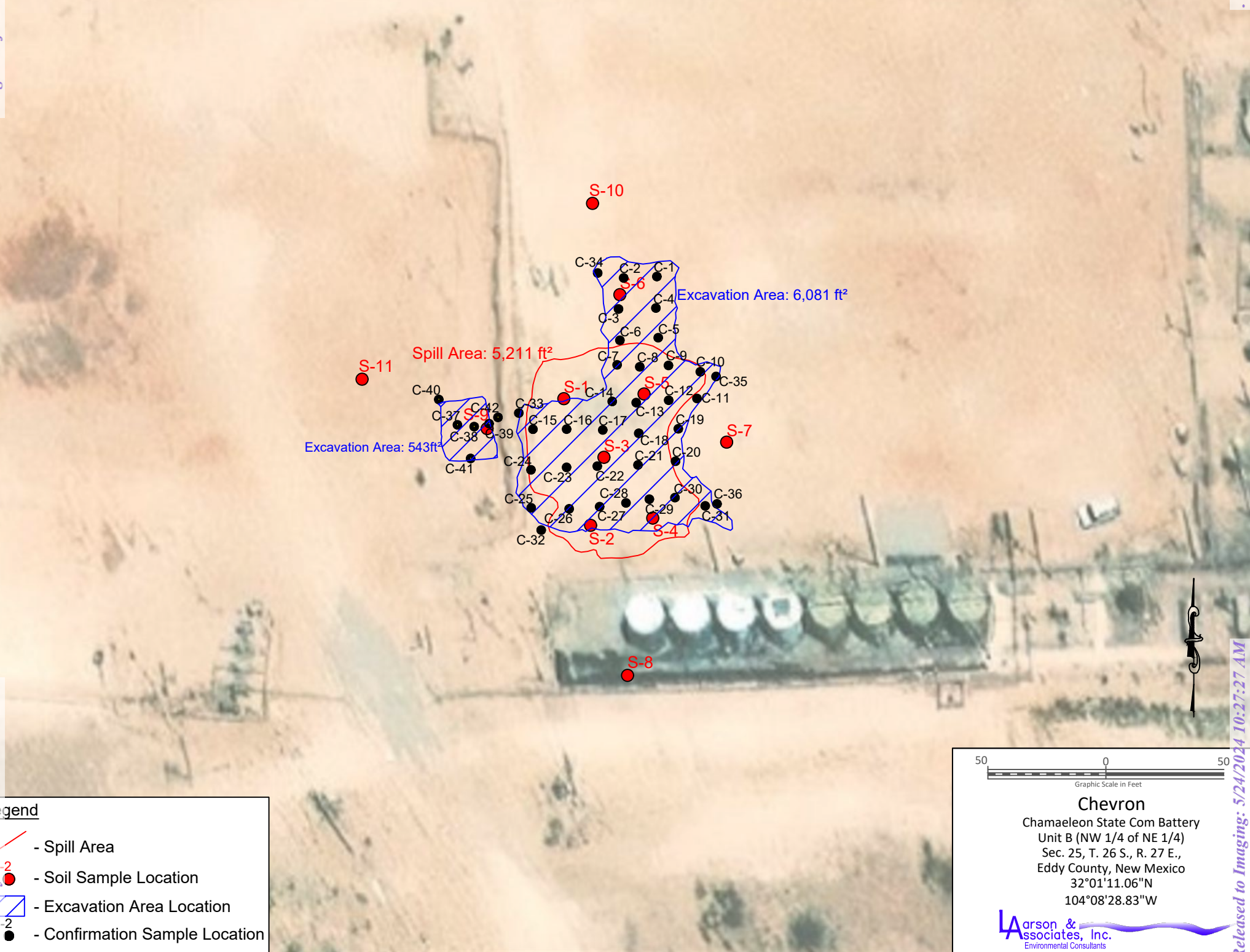


Figure 3 - Aerial Map Showing Excavation Areas and Confirmation Samples

Appendix A

Initial C-141 and Spill Calculation

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

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

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

Incident ID	nAPP2313648339
District RP	
Facility ID	fAPP2131330137
Application ID	217343

Release Notification

Responsible Party

Responsible Party: Chevron U.S.A., Inc.	OGRID: 4323
Contact Name: Aaron Rotto	Contact Telephone: 281-543-3205
Contact email: aaron.rotto@chevron.com	Incident # nAPP2313648339
Contact mailing address: 6301 Deauville Blvd Midland, TX 79706	

Location of Release Source

Latitude: 32.019736 _____ Longitude: -104.14068 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Chamaeleon BIN State Com Battery	Site Type: Oil
Date Release Discovered: 05/06/2023	API# (if applicable):

Unit Letter	Section	Township	Range	County
B	25	26S	27E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
☒ Produced Water	Volume Released (bbls): 10.531	Volume Recovered (bbls): 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

Load line valve Left open.

Incident ID	nAPP2313648339
District RP	
Facility ID	fAPP2131330137
Application ID	217343

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release? Release over 25 bbl.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☒ The source of the release has been stopped.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: _____	Date: 05/16/2023 _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2313648339
District RP	
Facility ID	fAPP2131330137
Application ID	217343

Spill Calculations:

Total Spill

Oil Recovered (bbl)	Oil Released (bbl)	Water Recovered (bbl)	Water Released (bbl)
			10.53

Spill Calculations

Area 1_Shape	Area 1_StandingLiquidDimensions	Area 1_PenetrationDepth	Area 1_Water to Soil	Area 1_Standing Liquid Volume	Area 1_Oil Volume	Area 1_Water Volume
Rectangle	50 ft x 35 ft x in	2 in	7.792 bbl	7.792 bbl	.000 bbl	7.792 bbl
Area 2_Shape	Area 2_StandingLiquidDimensions	Area 2_PenetrationDepth	Area 2_Water to Soil	Area 2_Standing Liquid Volume	Area 2_Oil Volume	Area 2_Water Volume
Triangle	22 ft x 15 ft x in	2 in	.735 bbl	.735 bbl	.000 bbl	0.735 bbl
Area 3_Shape	Area 3_StandingLiquidDimensions	Area 3_PenetrationDepth	Area 3_Water to Soil	Area 3_Standing Liquid Volume	Area 3_Oil Volume	Area 3_Water Volume
Rectangle	30 ft x 15 ft x in	2 in	2.004 bbl	2.004 bbl	.000 bbl	2.004 bbl

Appendix B
Karst Risk Potential



Chamaeleon BIN State Com Battery

High

Appendix C
NMOSE Soil Boring Log

STATE ENGINEER OFFICE

WELL RECORD

Revised June 1972

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 $\frac{1}{4}$ S.W $\frac{1}{4}$ SE $\frac{1}{4}$ 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. 1227
Address P.O. Box 72
Drilling Began 9-6-02 Completed 12-9-02 Type tools Cable Size of hole 8" 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		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
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		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
6"			100'	100'		N/A	50'	100'

Section 4. RECORD OF MUDDING AND CEMENTING

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

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
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

Section 6. LOG OF HOLE

[illegible]

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.

Kurt Behn
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

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 263354

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 263354
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Due to the sensitive nature of the release location and the site being located within high karst, the site will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft2. The work will need to occur in 90 days after the report has been reviewed.	1/29/2024

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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 306092

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 306092
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313648339
Incident Name	NAPP2313648339 CHAMAELEON BIN STATE COM BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2131330137] Chamaeleon BIN State Com Battery

Location of Release Source

Site Name	CHAMAELEON BIN STATE COM BATTERY
Date Release Discovered	05/06/2023
Surface Owner	State

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	7,602
What is the estimated number of samples that will be gathered	39
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/24/2024
Time sampling will commence	10:54 AM
Please provide any information necessary for observers to contact samplers	Robert Nelson 432-687-0901
Please provide any information necessary for navigation to sampling site	Navigation to the Site can be a gps and is as follows (32.019917, -104.141006).

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

CONDITIONS

Action 306092

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 306092
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	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.	1/22/2024

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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 328267

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 328267
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313648339
Incident Name	NAPP2313648339 CHAMAELEON BIN STATE COM BATTERY @ 0
Incident Type	Produced Water Release
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	05/06/2023
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	3,000
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/03/2024
Time sampling will commence	11:00 AM
Please provide any information necessary for observers to contact samplers	Robert Nelson 432-687-0901
Please provide any information necessary for navigation to sampling site	32.019917, -104.141006

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

CONDITIONS

Action 328267

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 328267
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	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.	4/1/2024

Appendix E
Laboratory Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/29/2023 4:04:50 PM

JOB DESCRIPTION

Chamaeleon State
SDG NUMBER 23-0102-05

JOB NUMBER

880-30102-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
6/29/2023 4:04:50 PM

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

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

Laboratory Job ID: 880-30102-1
SDG: 23-0102-05

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Definitions/Glossary

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

Job ID: 880-30102-1
SDG: 23-0102-05

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 880-30102-1
SDG: 23-0102-05

Job ID: 880-30102-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-30102-1**

Receipt

The samples were received on 6/28/2023 10:13 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 1.6°C

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-56462 and 880-56491 and analytical batch 880-56449 was outside the control limits.

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-56491 and analytical batch 880-56449 recovered outside control limits for the following analytes: Benzene. The LCSD/MS/MSD will show recovery for the batch; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-56449 recovered below the lower control limit for Benzene and Toluene. An acceptable CCV was ran within the 12 hour window therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-56449/51).

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 0-1' (880-30102-1), S-2 0-1' (880-30102-2), S-3 0-1' (880-30102-3), S-4 0-0.5' (880-30102-4), S-5 0-1' (880-30102-5), S-6 0-0.5' (880-30102-6), S-7 0-1' (880-30102-7), S-8 0-1' (880-30102-8), S-9 0-1' (880-30102-9), S-9 2' (880-30102-10), (880-30102-A-1-F MS) and (880-30102-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-56502 and analytical batch 880-56450 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 State

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-1 0-1'

Lab Sample ID: 880-30102-1

Date Collected: 06/27/23 12:00

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 00:47	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/28/23 10:58	06/29/23 00:47	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/28/23 10:58	06/29/23 00:47	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		06/28/23 10:58	06/29/23 00:47	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/28/23 10:58	06/29/23 00:47	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/28/23 10:58	06/29/23 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	06/28/23 10:58	06/29/23 00:47	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/28/23 10:58	06/29/23 00:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			06/29/23 10:01	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			06/29/23 09:09	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		06/28/23 13:20	06/28/23 21:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/28/23 21:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/28/23 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	219	S1+	70 - 130	06/28/23 13:20	06/28/23 21:59	1
o-Terphenyl (Surr)	173	S1+	70 - 130	06/28/23 13:20	06/28/23 21:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.03	mg/Kg			06/28/23 14:39	1

Client Sample ID: S-2 0-1'

Lab Sample ID: 880-30102-2

Date Collected: 06/27/23 12:10

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 01:08	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/28/23 10:58	06/29/23 01:08	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/28/23 10:58	06/29/23 01:08	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		06/28/23 10:58	06/29/23 01:08	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/28/23 10:58	06/29/23 01:08	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/28/23 10:58	06/29/23 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	06/28/23 10:58	06/29/23 01:08	1
1,4-Difluorobenzene (Surr)	71		70 - 130	06/28/23 10:58	06/29/23 01:08	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-2 0-1'

Lab Sample ID: 880-30102-2

Date Collected: 06/27/23 12:10

Matrix: Solid

Date Received: 06/28/23 10:13

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			06/29/23 10:01	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			06/29/23 09:09	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		06/28/23 13:20	06/28/23 23:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/28/23 23:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/28/23 23:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	233	S1+	70 - 130			06/28/23 13:20	06/28/23 23:07	1
o-Terphenyl (Surr)	213	S1+	70 - 130			06/28/23 13:20	06/28/23 23:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2270		50.5	mg/Kg			06/28/23 14:45	10

Client Sample ID: S-3 0-1'

Lab Sample ID: 880-30102-3

Date Collected: 06/27/23 12:20

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 01:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/28/23 10:58	06/29/23 01:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/28/23 10:58	06/29/23 01:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		06/28/23 10:58	06/29/23 01:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/28/23 10:58	06/29/23 01:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/28/23 10:58	06/29/23 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			06/28/23 10:58	06/29/23 01:29	1
1,4-Difluorobenzene (Surr)	84		70 - 130			06/28/23 10:58	06/29/23 01:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/29/23 10:01	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			06/29/23 09:09	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		06/28/23 13:20	06/28/23 23:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/28/23 13:20	06/28/23 23:29	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-3 0-1'

Lab Sample ID: 880-30102-3

Date Collected: 06/27/23 12:20

Matrix: Solid

Date Received: 06/28/23 10:13

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/23 13:20	06/28/23 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	249	S1+	70 - 130			06/28/23 13:20	06/28/23 23:29	1
o-Terphenyl (Surr)	229	S1+	70 - 130			06/28/23 13:20	06/28/23 23:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3620		100	mg/Kg			06/28/23 14:50	20

Client Sample ID: S-4 0-0.5'

Lab Sample ID: 880-30102-4

Date Collected: 06/27/23 12:30

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 01:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/28/23 10:58	06/29/23 01:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/28/23 10:58	06/29/23 01:49	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		06/28/23 10:58	06/29/23 01:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/28/23 10:58	06/29/23 01:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/28/23 10:58	06/29/23 01:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			06/28/23 10:58	06/29/23 01:49	1
1,4-Difluorobenzene (Surr)	88		70 - 130			06/28/23 10:58	06/29/23 01:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			06/29/23 10:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1330		50.0	mg/Kg			06/29/23 09:09	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		06/28/23 13:20	06/28/23 23:52	1
Diesel Range Organics (Over C10-C28)	1330		50.0	mg/Kg		06/28/23 13:20	06/28/23 23:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/23 13:20	06/28/23 23:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	220	S1+	70 - 130			06/28/23 13:20	06/28/23 23:52	1
o-Terphenyl (Surr)	177	S1+	70 - 130			06/28/23 13:20	06/28/23 23:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3710		100	mg/Kg			06/28/23 14:56	20

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Client Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-5 0-1'

Lab Sample ID: 880-30102-5

Date Collected: 06/27/23 12:40

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 02:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 02:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 02:10	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		06/28/23 10:58	06/29/23 02:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 02:10	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/28/23 10:58	06/29/23 02:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	06/28/23 10:58	06/29/23 02:10	1
1,4-Difluorobenzene (Surr)	82		70 - 130	06/28/23 10:58	06/29/23 02:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			06/29/23 10:01	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			06/29/23 09:09	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		06/28/23 13:20	06/29/23 00:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/28/23 13:20	06/29/23 00:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/23 13:20	06/29/23 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	229	S1+	70 - 130	06/28/23 13:20	06/29/23 00:14	1
o-Terphenyl (Surr)	210	S1+	70 - 130	06/28/23 13:20	06/29/23 00:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7910		100	mg/Kg			06/28/23 15:02	20

Client Sample ID: S-6 0-0.5'

Lab Sample ID: 880-30102-6

Date Collected: 06/27/23 12:50

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 02:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 02:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 02:30	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		06/28/23 10:58	06/29/23 02:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 02:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/28/23 10:58	06/29/23 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	06/28/23 10:58	06/29/23 02:30	1
1,4-Difluorobenzene (Surr)	81		70 - 130	06/28/23 10:58	06/29/23 02:30	1

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Client Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-6 0-0.5'

Lab Sample ID: 880-30102-6

Date Collected: 06/27/23 12:50

Matrix: Solid

Date Received: 06/28/23 10:13

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			06/29/23 10:01	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			06/29/23 09:09	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		06/28/23 13:20	06/29/23 00:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/28/23 13:20	06/29/23 00:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/28/23 13:20	06/29/23 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	220	S1+	70 - 130			06/28/23 13:20	06/29/23 00:36	1
o-Terphenyl (Surr)	190	S1+	70 - 130			06/28/23 13:20	06/29/23 00:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1980		49.7	mg/Kg			06/28/23 15:08	10

Client Sample ID: S-7 0-1'

Lab Sample ID: 880-30102-7

Date Collected: 06/27/23 13:00

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 02:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 02:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 02:51	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		06/28/23 10:58	06/29/23 02:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 02:51	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/28/23 10:58	06/29/23 02:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			06/28/23 10:58	06/29/23 02:51	1
1,4-Difluorobenzene (Surr)	82		70 - 130			06/28/23 10:58	06/29/23 02:51	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			06/29/23 10:01	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			06/29/23 09:09	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		06/28/23 13:20	06/29/23 00:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/29/23 00:59	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-7 0-1'

Lab Sample ID: 880-30102-7

Date Collected: 06/27/23 13:00

Matrix: Solid

Date Received: 06/28/23 10:13

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/29/23 00:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	219	S1+	70 - 130			06/28/23 13:20	06/29/23 00:59	1
o-Terphenyl (Surr)	152	S1+	70 - 130			06/28/23 13:20	06/29/23 00:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	333		5.01	mg/Kg			06/28/23 15:25	1

Client Sample ID: S-8 0-1'

Lab Sample ID: 880-30102-8

Date Collected: 06/27/23 13:10

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 03:11	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/28/23 10:58	06/29/23 03:11	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/28/23 10:58	06/29/23 03:11	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		06/28/23 10:58	06/29/23 03:11	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/28/23 10:58	06/29/23 03:11	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/28/23 10:58	06/29/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			06/28/23 10:58	06/29/23 03:11	1
1,4-Difluorobenzene (Surr)	82		70 - 130			06/28/23 10:58	06/29/23 03:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			06/29/23 10:01	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			06/29/23 09:09	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		06/28/23 13:20	06/29/23 01:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/29/23 01:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/29/23 01:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	206	S1+	70 - 130			06/28/23 13:20	06/29/23 01:21	1
o-Terphenyl (Surr)	186	S1+	70 - 130			06/28/23 13:20	06/29/23 01:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.3		5.04	mg/Kg			06/28/23 15:31	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-9 0-1'

Lab Sample ID: 880-30102-9

Date Collected: 06/27/23 13:20

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 03:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/28/23 10:58	06/29/23 03:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/28/23 10:58	06/29/23 03:32	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		06/28/23 10:58	06/29/23 03:32	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/28/23 10:58	06/29/23 03:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/28/23 10:58	06/29/23 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/28/23 10:58	06/29/23 03:32	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/28/23 10:58	06/29/23 03:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			06/29/23 10:01	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			06/29/23 09:09	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		06/28/23 13:20	06/29/23 01:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/29/23 01:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/28/23 13:20	06/29/23 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	218	S1+	70 - 130	06/28/23 13:20	06/29/23 01:44	1
o-Terphenyl (Surr)	203	S1+	70 - 130	06/28/23 13:20	06/29/23 01:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6000		101	mg/Kg			06/28/23 15:49	20

Client Sample ID: S-9 2'

Lab Sample ID: 880-30102-10

Date Collected: 06/27/23 13:25

Matrix: Solid

Date Received: 06/28/23 10:13

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		06/28/23 10:58	06/29/23 03:52	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/28/23 10:58	06/29/23 03:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/28/23 10:58	06/29/23 03:52	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		06/28/23 10:58	06/29/23 03:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/28/23 10:58	06/29/23 03:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/28/23 10:58	06/29/23 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/28/23 10:58	06/29/23 03:52	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/28/23 10:58	06/29/23 03:52	1

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Client Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-9 2'

Lab Sample ID: 880-30102-10

Date Collected: 06/27/23 13:25

Matrix: Solid

Date Received: 06/28/23 10:13

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			06/29/23 10:01	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			06/29/23 09:09	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		06/28/23 13:20	06/29/23 02:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/28/23 13:20	06/29/23 02:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/28/23 13:20	06/29/23 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	201	S1+	70 - 130	06/28/23 13:20	06/29/23 02:06	1
o-Terphenyl (Surr)	185	S1+	70 - 130	06/28/23 13:20	06/29/23 02:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5400		99.8	mg/Kg			06/28/23 15:55	20

Surrogate Summary

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

Job ID: 880-30102-1
SDG: 23-0102-05

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)
880-30102-1	S-1 0-1'	81	80
880-30102-1 MS	S-1 0-1'	114	108
880-30102-1 MSD	S-1 0-1'	106	111
880-30102-2	S-2 0-1'	79	71
880-30102-3	S-3 0-1'	89	84
880-30102-4	S-4 0-0.5'	86	88
880-30102-5	S-5 0-1'	86	82
880-30102-6	S-6 0-0.5'	86	81
880-30102-7	S-7 0-1'	86	82
880-30102-8	S-8 0-1'	90	82
880-30102-9	S-9 0-1'	87	85
880-30102-10	S-9 2'	87	80
LCS 880-56491/1-A	Lab Control Sample	105	111
LCSD 880-56491/2-A	Lab Control Sample Dup	111	112
MB 880-56462/5-A	Method Blank	65 S1-	101
MB 880-56491/5-A	Method Blank	67 S1-	98

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)
880-30102-1	S-1 0-1'	219 S1+	173 S1+
880-30102-1 MS	S-1 0-1'	210 S1+	158 S1+
880-30102-1 MSD	S-1 0-1'	180 S1+	133 S1+
880-30102-2	S-2 0-1'	233 S1+	213 S1+
880-30102-3	S-3 0-1'	249 S1+	229 S1+
880-30102-4	S-4 0-0.5'	220 S1+	177 S1+
880-30102-5	S-5 0-1'	229 S1+	210 S1+
880-30102-6	S-6 0-0.5'	220 S1+	190 S1+
880-30102-7	S-7 0-1'	219 S1+	152 S1+
880-30102-8	S-8 0-1'	206 S1+	186 S1+
880-30102-9	S-9 0-1'	218 S1+	203 S1+
880-30102-10	S-9 2'	201 S1+	185 S1+
LCS 880-56502/2-A	Lab Control Sample	112	100
LCSD 880-56502/3-A	Lab Control Sample Dup	108	96
MB 880-56502/1-A	Method Blank	131 S1+	117

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

Eurofins Midland

QC Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56462/5-A

Matrix: Solid

Analysis Batch: 56449

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56462

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/23 08:44	06/28/23 13:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/23 08:44	06/28/23 13:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/23 08:44	06/28/23 13:41	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		06/28/23 08:44	06/28/23 13:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/23 08:44	06/28/23 13:41	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/28/23 08:44	06/28/23 13:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	06/28/23 08:44	06/28/23 13:41	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/28/23 08:44	06/28/23 13:41	1

Lab Sample ID: MB 880-56491/5-A

Matrix: Solid

Analysis Batch: 56449

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56491

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 00:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 00:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 00:26	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		06/28/23 10:58	06/29/23 00:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/23 10:58	06/29/23 00:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/28/23 10:58	06/29/23 00:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	06/28/23 10:58	06/29/23 00:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/28/23 10:58	06/29/23 00:26	1

Lab Sample ID: LCS 880-56491/1-A

Matrix: Solid

Analysis Batch: 56449

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1323	*+	mg/Kg		132	70 - 130
Toluene	0.100	0.1177		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130
m,p-Xylenes	0.200	0.2260		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1105		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-56491/2-A

Matrix: Solid

Analysis Batch: 56449

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1221		mg/Kg		122	70 - 130	8	35

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QC Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

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

Lab Sample ID: LCSD 880-56491/2-A

Matrix: Solid

Analysis Batch: 56449

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1084		mg/Kg		108	70 - 130	8	35
Ethylbenzene	0.100	0.1073		mg/Kg		107	70 - 130	3	35
m,p-Xylenes	0.200	0.2273		mg/Kg		114	70 - 130	1	35
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-30102-1 MS

Matrix: Solid

Analysis Batch: 56449

Client Sample ID: S-1 0-1'

Prep Type: Total/NA

Prep Batch: 56491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *+	0.101	0.1040		mg/Kg		103	70 - 130
Toluene	<0.00201	U	0.101	0.09218		mg/Kg		90	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.09175		mg/Kg		91	70 - 130
m,p-Xylenes	<0.00402	U	0.202	0.1891		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U	0.101	0.09124		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-30102-1 MSD

Matrix: Solid

Analysis Batch: 56449

Client Sample ID: S-1 0-1'

Prep Type: Total/NA

Prep Batch: 56491

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *+	0.100	0.09577		mg/Kg		96	70 - 130	8	35
Toluene	<0.00201	U	0.100	0.08442		mg/Kg		83	70 - 130	9	35
Ethylbenzene	<0.00201	U	0.100	0.08385		mg/Kg		84	70 - 130	9	35
m,p-Xylenes	<0.00402	U	0.200	0.1699		mg/Kg		85	70 - 130	11	35
o-Xylene	<0.00201	U	0.100	0.08219		mg/Kg		82	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-56502/1-A

Matrix: Solid

Analysis Batch: 56450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56502

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		06/28/23 13:20	06/28/23 20:49	1

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QC Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

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

Lab Sample ID: MB 880-56502/1-A

Matrix: Solid

Analysis Batch: 56450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56502

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/28/23 13:20	06/28/23 20:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/23 13:20	06/28/23 20:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	131	S1+	70 - 130			06/28/23 13:20	06/28/23 20:49	1
o-Terphenyl (Surr)	117		70 - 130			06/28/23 13:20	06/28/23 20:49	1

Lab Sample ID: LCS 880-56502/2-A

Matrix: Solid

Analysis Batch: 56450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56502

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1220		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	1000	907.8		mg/Kg		91	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	112		70 - 130				
o-Terphenyl (Surr)	100		70 - 130				

Lab Sample ID: LCSD 880-56502/3-A

Matrix: Solid

Analysis Batch: 56450

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56502

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1263		mg/Kg		126	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	967.6		mg/Kg		97	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	108		70 - 130						
o-Terphenyl (Surr)	96		70 - 130						

Lab Sample ID: 880-30102-1 MS

Matrix: Solid

Analysis Batch: 56450

Client Sample ID: S-1 0-1'

Prep Type: Total/NA

Prep Batch: 56502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1118		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1112		mg/Kg		110	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	210	S1+	70 - 130						
o-Terphenyl (Surr)	158	S1+	70 - 130						

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QC Sample Results

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

Job ID: 880-30102-1
SDG: 23-0102-05

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

Lab Sample ID: 880-30102-1 MSD

Matrix: Solid

Analysis Batch: 56450

Client Sample ID: S-1 0-1'

Prep Type: Total/NA

Prep Batch: 56502

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1023		mg/Kg		101	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	954.3		mg/Kg		94	70 - 130	15	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	180	S1+	70 - 130								
o-Terphenyl (Surr)	133	S1+	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56486/1-A

Matrix: Solid

Analysis Batch: 56499

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			06/28/23 13:29	1

Lab Sample ID: LCS 880-56486/2-A

Matrix: Solid

Analysis Batch: 56499

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-56486/3-A

Matrix: Solid

Analysis Batch: 56499

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	242.2		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-30102-6 MS

Matrix: Solid

Analysis Batch: 56499

Client Sample ID: S-6 0-0.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1980		2490	4493		mg/Kg		101	90 - 110

Lab Sample ID: 880-30102-6 MSD

Matrix: Solid

Analysis Batch: 56499

Client Sample ID: S-6 0-0.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1980		2490	4460		mg/Kg		100	90 - 110	1	20

Eurofins Midland

QC Association Summary

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

Job ID: 880-30102-1
SDG: 23-0102-05

GC VOA

Analysis Batch: 56449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30102-1	S-1 0-1'	Total/NA	Solid	8021B	56491
880-30102-2	S-2 0-1'	Total/NA	Solid	8021B	56491
880-30102-3	S-3 0-1'	Total/NA	Solid	8021B	56491
880-30102-4	S-4 0-0.5'	Total/NA	Solid	8021B	56491
880-30102-5	S-5 0-1'	Total/NA	Solid	8021B	56491
880-30102-6	S-6 0-0.5'	Total/NA	Solid	8021B	56491
880-30102-7	S-7 0-1'	Total/NA	Solid	8021B	56491
880-30102-8	S-8 0-1'	Total/NA	Solid	8021B	56491
880-30102-9	S-9 0-1'	Total/NA	Solid	8021B	56491
880-30102-10	S-9 2'	Total/NA	Solid	8021B	56491
MB 880-56462/5-A	Method Blank	Total/NA	Solid	8021B	56462
MB 880-56491/5-A	Method Blank	Total/NA	Solid	8021B	56491
LCS 880-56491/1-A	Lab Control Sample	Total/NA	Solid	8021B	56491
LCSD 880-56491/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56491
880-30102-1 MS	S-1 0-1'	Total/NA	Solid	8021B	56491
880-30102-1 MSD	S-1 0-1'	Total/NA	Solid	8021B	56491

Prep Batch: 56462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56462/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 56491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30102-1	S-1 0-1'	Total/NA	Solid	5035	
880-30102-2	S-2 0-1'	Total/NA	Solid	5035	
880-30102-3	S-3 0-1'	Total/NA	Solid	5035	
880-30102-4	S-4 0-0.5'	Total/NA	Solid	5035	
880-30102-5	S-5 0-1'	Total/NA	Solid	5035	
880-30102-6	S-6 0-0.5'	Total/NA	Solid	5035	
880-30102-7	S-7 0-1'	Total/NA	Solid	5035	
880-30102-8	S-8 0-1'	Total/NA	Solid	5035	
880-30102-9	S-9 0-1'	Total/NA	Solid	5035	
880-30102-10	S-9 2'	Total/NA	Solid	5035	
MB 880-56491/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56491/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56491/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30102-1 MS	S-1 0-1'	Total/NA	Solid	5035	
880-30102-1 MSD	S-1 0-1'	Total/NA	Solid	5035	

Analysis Batch: 56563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30102-1	S-1 0-1'	Total/NA	Solid	Total BTEX	
880-30102-2	S-2 0-1'	Total/NA	Solid	Total BTEX	
880-30102-3	S-3 0-1'	Total/NA	Solid	Total BTEX	
880-30102-4	S-4 0-0.5'	Total/NA	Solid	Total BTEX	
880-30102-5	S-5 0-1'	Total/NA	Solid	Total BTEX	
880-30102-6	S-6 0-0.5'	Total/NA	Solid	Total BTEX	
880-30102-7	S-7 0-1'	Total/NA	Solid	Total BTEX	
880-30102-8	S-8 0-1'	Total/NA	Solid	Total BTEX	
880-30102-9	S-9 0-1'	Total/NA	Solid	Total BTEX	
880-30102-10	S-9 2'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

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

Job ID: 880-30102-1
SDG: 23-0102-05

GC Semi VOA

Analysis Batch: 56450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30102-1	S-1 0-1'	Total/NA	Solid	8015B NM	56502
880-30102-2	S-2 0-1'	Total/NA	Solid	8015B NM	56502
880-30102-3	S-3 0-1'	Total/NA	Solid	8015B NM	56502
880-30102-4	S-4 0-0.5'	Total/NA	Solid	8015B NM	56502
880-30102-5	S-5 0-1'	Total/NA	Solid	8015B NM	56502
880-30102-6	S-6 0-0.5'	Total/NA	Solid	8015B NM	56502
880-30102-7	S-7 0-1'	Total/NA	Solid	8015B NM	56502
880-30102-8	S-8 0-1'	Total/NA	Solid	8015B NM	56502
880-30102-9	S-9 0-1'	Total/NA	Solid	8015B NM	56502
880-30102-10	S-9 2'	Total/NA	Solid	8015B NM	56502
MB 880-56502/1-A	Method Blank	Total/NA	Solid	8015B NM	56502
LCS 880-56502/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56502
LCSD 880-56502/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56502
880-30102-1 MS	S-1 0-1'	Total/NA	Solid	8015B NM	56502
880-30102-1 MSD	S-1 0-1'	Total/NA	Solid	8015B NM	56502

Prep Batch: 56502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30102-1	S-1 0-1'	Total/NA	Solid	8015NM Prep	
880-30102-2	S-2 0-1'	Total/NA	Solid	8015NM Prep	
880-30102-3	S-3 0-1'	Total/NA	Solid	8015NM Prep	
880-30102-4	S-4 0-0.5'	Total/NA	Solid	8015NM Prep	
880-30102-5	S-5 0-1'	Total/NA	Solid	8015NM Prep	
880-30102-6	S-6 0-0.5'	Total/NA	Solid	8015NM Prep	
880-30102-7	S-7 0-1'	Total/NA	Solid	8015NM Prep	
880-30102-8	S-8 0-1'	Total/NA	Solid	8015NM Prep	
880-30102-9	S-9 0-1'	Total/NA	Solid	8015NM Prep	
880-30102-10	S-9 2'	Total/NA	Solid	8015NM Prep	
MB 880-56502/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56502/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56502/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30102-1 MS	S-1 0-1'	Total/NA	Solid	8015NM Prep	
880-30102-1 MSD	S-1 0-1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30102-1	S-1 0-1'	Total/NA	Solid	8015 NM	
880-30102-2	S-2 0-1'	Total/NA	Solid	8015 NM	
880-30102-3	S-3 0-1'	Total/NA	Solid	8015 NM	
880-30102-4	S-4 0-0.5'	Total/NA	Solid	8015 NM	
880-30102-5	S-5 0-1'	Total/NA	Solid	8015 NM	
880-30102-6	S-6 0-0.5'	Total/NA	Solid	8015 NM	
880-30102-7	S-7 0-1'	Total/NA	Solid	8015 NM	
880-30102-8	S-8 0-1'	Total/NA	Solid	8015 NM	
880-30102-9	S-9 0-1'	Total/NA	Solid	8015 NM	
880-30102-10	S-9 2'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

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

Job ID: 880-30102-1
SDG: 23-0102-05

HPLC/IC

Leach Batch: 56486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30102-1	S-1 0-1'	Soluble	Solid	DI Leach	
880-30102-2	S-2 0-1'	Soluble	Solid	DI Leach	
880-30102-3	S-3 0-1'	Soluble	Solid	DI Leach	
880-30102-4	S-4 0-0.5'	Soluble	Solid	DI Leach	
880-30102-5	S-5 0-1'	Soluble	Solid	DI Leach	
880-30102-6	S-6 0-0.5'	Soluble	Solid	DI Leach	
880-30102-7	S-7 0-1'	Soluble	Solid	DI Leach	
880-30102-8	S-8 0-1'	Soluble	Solid	DI Leach	
880-30102-9	S-9 0-1'	Soluble	Solid	DI Leach	
880-30102-10	S-9 2'	Soluble	Solid	DI Leach	
MB 880-56486/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56486/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56486/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30102-6 MS	S-6 0-0.5'	Soluble	Solid	DI Leach	
880-30102-6 MSD	S-6 0-0.5'	Soluble	Solid	DI Leach	

Analysis Batch: 56499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30102-1	S-1 0-1'	Soluble	Solid	300.0	56486
880-30102-2	S-2 0-1'	Soluble	Solid	300.0	56486
880-30102-3	S-3 0-1'	Soluble	Solid	300.0	56486
880-30102-4	S-4 0-0.5'	Soluble	Solid	300.0	56486
880-30102-5	S-5 0-1'	Soluble	Solid	300.0	56486
880-30102-6	S-6 0-0.5'	Soluble	Solid	300.0	56486
880-30102-7	S-7 0-1'	Soluble	Solid	300.0	56486
880-30102-8	S-8 0-1'	Soluble	Solid	300.0	56486
880-30102-9	S-9 0-1'	Soluble	Solid	300.0	56486
880-30102-10	S-9 2'	Soluble	Solid	300.0	56486
MB 880-56486/1-A	Method Blank	Soluble	Solid	300.0	56486
LCS 880-56486/2-A	Lab Control Sample	Soluble	Solid	300.0	56486
LCSD 880-56486/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56486
880-30102-6 MS	S-6 0-0.5'	Soluble	Solid	300.0	56486
880-30102-6 MSD	S-6 0-0.5'	Soluble	Solid	300.0	56486

Lab Chronicle

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-1 0-1'
Date Collected: 06/27/23 12:00
Date Received: 06/28/23 10:13

Lab Sample ID: 880-30102-1
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			4.98 g	5 mL	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 00:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 21:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56499	06/28/23 14:39	CH	EET MID

Client Sample ID: S-2 0-1'
Date Collected: 06/27/23 12:10
Date Received: 06/28/23 10:13

Lab Sample ID: 880-30102-2
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			5.02 g	5 mL	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 01:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 23:07	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	56499	06/28/23 14:45	CH	EET MID

Client Sample ID: S-3 0-1'
Date Collected: 06/27/23 12:20
Date Received: 06/28/23 10:13

Lab Sample ID: 880-30102-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 01:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 23:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	56499	06/28/23 14:50	CH	EET MID

Client Sample ID: S-4 0-0.5'
Date Collected: 06/27/23 12:30
Date Received: 06/28/23 10:13

Lab Sample ID: 880-30102-4
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	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 01:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-4 0-0.5'**Lab Sample ID: 880-30102-4****Date Collected: 06/27/23 12:30****Matrix: Solid****Date Received: 06/28/23 10:13**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 23:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	56499	06/28/23 14:56	CH	EET MID

Client Sample ID: S-5 0-1'**Lab Sample ID: 880-30102-5****Date Collected: 06/27/23 12:40****Matrix: Solid****Date Received: 06/28/23 10:13**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 02:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/29/23 00:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	56499	06/28/23 15:02	CH	EET MID

Client Sample ID: S-6 0-0.5'**Lab Sample ID: 880-30102-6****Date Collected: 06/27/23 12:50****Matrix: Solid****Date Received: 06/28/23 10:13**

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	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 02:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/29/23 00:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	56499	06/28/23 15:08	CH	EET MID

Client Sample ID: S-7 0-1'**Lab Sample ID: 880-30102-7****Date Collected: 06/27/23 13:00****Matrix: Solid****Date Received: 06/28/23 10:13**

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	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 02:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/29/23 00:59	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-30102-1
SDG: 23-0102-05

Client Sample ID: S-7 0-1'**Lab Sample ID: 880-30102-7****Date Collected: 06/27/23 13:00****Matrix: Solid****Date Received: 06/28/23 10:13**

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	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56499	06/28/23 15:25	CH	EET MID

Client Sample ID: S-8 0-1'**Lab Sample ID: 880-30102-8****Date Collected: 06/27/23 13:10****Matrix: Solid****Date Received: 06/28/23 10:13**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 03:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/29/23 01:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56499	06/28/23 15:31	CH	EET MID

Client Sample ID: S-9 0-1'**Lab Sample ID: 880-30102-9****Date Collected: 06/27/23 13:20****Matrix: Solid****Date Received: 06/28/23 10:13**

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	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 03:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/29/23 01:44	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	56499	06/28/23 15:49	CH	EET MID

Client Sample ID: S-9 2'**Lab Sample ID: 880-30102-10****Date Collected: 06/27/23 13:25****Matrix: Solid****Date Received: 06/28/23 10:13**

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	56491	06/28/23 10:58	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56449	06/29/23 03:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56563	06/29/23 10:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			56546	06/29/23 09:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56502	06/28/23 13:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/29/23 02:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56486	06/28/23 10:39	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	56499	06/28/23 15:55	CH	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-30102-1
SDG: 23-0102-05

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

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Accreditation/Certification Summary

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

Job ID: 880-30102-1
SDG: 23-0102-05

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

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

Job ID: 880-30102-1
SDG: 23-0102-05

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 State

Job ID: 880-30102-1
SDG: 23-0102-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30102-1	S-1 0-1'	Solid	06/27/23 12:00	06/28/23 10:13
880-30102-2	S-2 0-1'	Solid	06/27/23 12:10	06/28/23 10:13
880-30102-3	S-3 0-1'	Solid	06/27/23 12:20	06/28/23 10:13
880-30102-4	S-4 0-0.5'	Solid	06/27/23 12:30	06/28/23 10:13
880-30102-5	S-5 0-1'	Solid	06/27/23 12:40	06/28/23 10:13
880-30102-6	S-6 0-0.5'	Solid	06/27/23 12:50	06/28/23 10:13
880-30102-7	S-7 0-1'	Solid	06/27/23 13:00	06/28/23 10:13
880-30102-8	S-8 0-1'	Solid	06/27/23 13:10	06/28/23 10:13
880-30102-9	S-9 0-1'	Solid	06/27/23 13:20	06/28/23 10:13
880-30102-10	S-9 2'	Solid	06/27/23 13:25	06/28/23 10:13

6/29/2023

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-30102-1

SDG Number: 23-0102-05

Login Number: 30102

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/9/2023 9:53:43 AM

JOB DESCRIPTION

Chamaelon State Com Battery
SDG NUMBER 23-0102-05

JOB NUMBER

880-31231-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

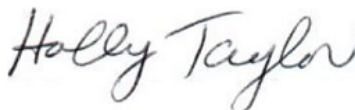
Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/9/2023 9:53:43 AM

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

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Laboratory Job ID: 880-31231-1
SDG: 23-0102-05

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Job ID: 880-31231-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-31231-1

Receipt

The samples were received on 7/26/2023 10:31 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 1.2°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-59171/2), (CCV 880-59171/20), (LCS 880-58968/1-A), (LCSD 880-58968/2-A) and (MB 880-58968/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4, 1' (880-31231-1), S-4, 3' (880-31231-2), S-4, 5' (880-31231-3), S-4, 10' (880-31231-4), S-2, 1' (880-31231-5), S-2, 3' (880-31231-6), S-2, 5' (880-31231-7), S-3, 1' (880-31231-8), S-3, 3' (880-31231-9), S-3, 5' (880-31231-10), (880-31231-A-1-D MS) and (880-31231-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-59171/33). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-5, 1' (880-31231-11), S-5, 3' (880-31231-12), S-5, 5' (880-31231-13), S-6, 1' (880-31231-14), S-6, 3' (880-31231-15), S-6, 5' (880-31231-16), S-9, 1' (880-31231-17), S-9, 3' (880-31231-18), S-9, 5' (880-31231-19) and S-9, 8' (880-31231-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-59532 and analytical batch 880-59596 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-4, 1' (880-31231-1), S-4, 3' (880-31231-2), S-4, 5' (880-31231-3), S-4, 10' (880-31231-4), S-2, 1' (880-31231-5), S-2, 3' (880-31231-6), S-2, 5' (880-31231-7), S-3, 1' (880-31231-8), S-3, 3' (880-31231-9), S-3, 5' (880-31231-10), S-5, 1' (880-31231-11), S-5, 3' (880-31231-12), S-5, 5' (880-31231-13), S-6, 1' (880-31231-14), S-6, 3' (880-31231-15), S-6, 5' (880-31231-16), S-9, 1' (880-31231-17), S-9, 3' (880-31231-18), S-9, 5' (880-31231-19), (CCV 880-59596/20), (CCV 880-59596/31), (CCV 880-59596/5), (LCS 880-59532/2-A), (LCSD 880-59532/3-A), (880-31231-A-1-H MS) and (880-31231-A-1-I MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-59532 and analytical batch 880-59596 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-4, 1'

Lab Sample ID: 880-31231-1

Date Collected: 07/25/23 08:55

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 12:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 12:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 12:35	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/01/23 08:52	08/03/23 12:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 12:35	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/01/23 08:52	08/03/23 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	51	S1-	70 - 130	08/01/23 08:52	08/03/23 12:35	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/01/23 08:52	08/03/23 12:35	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			08/03/23 20:41	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 10:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U F1	50.1	mg/Kg		08/07/23 14:23	08/08/23 10:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		08/07/23 14:23	08/08/23 10:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	163	S1+	70 - 130	08/07/23 14:23	08/08/23 10:25	1
o-Terphenyl (Surr)	142	S1+	70 - 130	08/07/23 14:23	08/08/23 10:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		4.99	mg/Kg			07/28/23 21:54	1

Client Sample ID: S-4, 3'

Lab Sample ID: 880-31231-2

Date Collected: 07/25/23 08:57

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 13:01	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 13:01	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 13:01	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/01/23 08:52	08/03/23 13:01	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 13:01	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/01/23 08:52	08/03/23 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130	08/01/23 08:52	08/03/23 13:01	1
1,4-Difluorobenzene (Surr)	126		70 - 130	08/01/23 08:52	08/03/23 13:01	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-4, 3'

Lab Sample ID: 880-31231-2

Date Collected: 07/25/23 08:57

Matrix: Solid

Date Received: 07/26/23 10:31

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			08/03/23 20:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/09/23 10:33	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	<50.5	U	50.5	mg/Kg		08/07/23 14:23	08/08/23 11:32	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/07/23 14:23	08/08/23 11:32	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/07/23 14:23	08/08/23 11:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	159	S1+	70 - 130			08/07/23 14:23	08/08/23 11:32	1
o-Terphenyl (Surr)	145	S1+	70 - 130			08/07/23 14:23	08/08/23 11:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.1		5.00	mg/Kg			07/28/23 22:10	1

Client Sample ID: S-4, 5'

Lab Sample ID: 880-31231-3

Date Collected: 07/25/23 08:59

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 13:26	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/01/23 08:52	08/03/23 13:26	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/01/23 08:52	08/03/23 13:26	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/01/23 08:52	08/03/23 13:26	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/01/23 08:52	08/03/23 13:26	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/01/23 08:52	08/03/23 13:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130			08/01/23 08:52	08/03/23 13:26	1
1,4-Difluorobenzene (Surr)	126		70 - 130			08/01/23 08:52	08/03/23 13:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/03/23 20:41	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 11:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/07/23 14:23	08/08/23 11:55	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-4, 5'

Lab Sample ID: 880-31231-3

Date Collected: 07/25/23 08:59

Matrix: Solid

Date Received: 07/26/23 10:31

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/07/23 14:23	08/08/23 11:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	165	S1+	70 - 130			08/07/23 14:23	08/08/23 11:55	1
o-Terphenyl (Surr)	155	S1+	70 - 130			08/07/23 14:23	08/08/23 11:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.96	mg/Kg			07/28/23 22:16	1

Client Sample ID: S-4, 10'

Lab Sample ID: 880-31231-4

Date Collected: 07/25/23 09:03

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 13:52	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 13:52	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 13:52	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/01/23 08:52	08/03/23 13:52	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 13:52	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/01/23 08:52	08/03/23 13:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	51	S1-	70 - 130			08/01/23 08:52	08/03/23 13:52	1
1,4-Difluorobenzene (Surr)	115		70 - 130			08/01/23 08:52	08/03/23 13:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/03/23 20:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			08/09/23 10:33	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		08/07/23 14:23	08/08/23 12:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/07/23 14:23	08/08/23 12:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/07/23 14:23	08/08/23 12:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	156	S1+	70 - 130			08/07/23 14:23	08/08/23 12:17	1
o-Terphenyl (Surr)	148	S1+	70 - 130			08/07/23 14:23	08/08/23 12:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	563		5.01	mg/Kg			07/28/23 22:21	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-2, 1'
Date Collected: 07/25/23 09:07
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-5
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		08/01/23 08:52	08/03/23 14:18	1	
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 14:18	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 14:18	1	
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		08/01/23 08:52	08/03/23 14:18	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 14:18	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		08/01/23 08:52	08/03/23 14:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	72		70 - 130			08/01/23 08:52	08/03/23 14:18	1	
1,4-Difluorobenzene (Surr)	144	S1+	70 - 130			08/01/23 08:52	08/03/23 14:18	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			08/03/23 20:41	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	53.3		50.0	mg/Kg			08/09/23 10:33	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		08/07/23 14:23	08/08/23 12:39	1	
Diesel Range Organics (Over C10-C28)	53.3		50.0	mg/Kg		08/07/23 14:23	08/08/23 12:39	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/07/23 14:23	08/08/23 12:39	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	171	S1+	70 - 130			08/07/23 14:23	08/08/23 12:39	1	
o-Terphenyl (Surr)	156	S1+	70 - 130			08/07/23 14:23	08/08/23 12:39	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1530		25.0	mg/Kg			07/29/23 11:47	5	

Client Sample ID: S-2, 3'
Date Collected: 07/25/23 09:12
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-6
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		08/01/23 08:52	08/03/23 14:44	1	
Toluene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 14:44	1	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 14:44	1	
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		08/01/23 08:52	08/03/23 14:44	1	
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 14:44	1	
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		08/01/23 08:52	08/03/23 14:44	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130			08/01/23 08:52	08/03/23 14:44	1	
1,4-Difluorobenzene (Surr)	135	S1+	70 - 130			08/01/23 08:52	08/03/23 14:44	1	

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-2, 3'

Lab Sample ID: 880-31231-6

Date Collected: 07/25/23 09:12

Matrix: Solid

Date Received: 07/26/23 10:31

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			08/03/23 20:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			08/09/23 10:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		08/07/23 14:23	08/08/23 13:02	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		08/07/23 14:23	08/08/23 13:02	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		08/07/23 14:23	08/08/23 13:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	164	S1+	70 - 130			08/07/23 14:23	08/08/23 13:02	1
o-Terphenyl (Surr)	148	S1+	70 - 130			08/07/23 14:23	08/08/23 13:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.2		4.95	mg/Kg			07/28/23 22:42	1

Client Sample ID: S-2, 5'

Lab Sample ID: 880-31231-7

Date Collected: 07/25/23 09:15

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 15:10	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/01/23 08:52	08/03/23 15:10	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/01/23 08:52	08/03/23 15:10	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		08/01/23 08:52	08/03/23 15:10	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/01/23 08:52	08/03/23 15:10	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		08/01/23 08:52	08/03/23 15:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130			08/01/23 08:52	08/03/23 15:10	1
1,4-Difluorobenzene (Surr)	129		70 - 130			08/01/23 08:52	08/03/23 15:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			08/03/23 20:41	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 13:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		08/07/23 14:23	08/08/23 13:24	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-2, 5'

Lab Sample ID: 880-31231-7

Date Collected: 07/25/23 09:15

Matrix: Solid

Date Received: 07/26/23 10:31

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		08/07/23 14:23	08/08/23 13:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	180	S1+	70 - 130			08/07/23 14:23	08/08/23 13:24	1
o-Terphenyl (Surr)	168	S1+	70 - 130			08/07/23 14:23	08/08/23 13:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		4.97	mg/Kg			07/28/23 22:48	1

Client Sample ID: S-3, 1'

Lab Sample ID: 880-31231-8

Date Collected: 07/25/23 09:45

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 16:09	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/01/23 08:52	08/03/23 16:09	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/01/23 08:52	08/03/23 16:09	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/01/23 08:52	08/03/23 16:09	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/01/23 08:52	08/03/23 16:09	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/01/23 08:52	08/03/23 16:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130			08/01/23 08:52	08/03/23 16:09	1
1,4-Difluorobenzene (Surr)	116		70 - 130			08/01/23 08:52	08/03/23 16:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/03/23 20:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/09/23 10:33	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	<50.5	U	50.5	mg/Kg		08/07/23 14:23	08/08/23 13:46	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/07/23 14:23	08/08/23 13:46	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/07/23 14:23	08/08/23 13:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	158	S1+	70 - 130			08/07/23 14:23	08/08/23 13:46	1
o-Terphenyl (Surr)	148	S1+	70 - 130			08/07/23 14:23	08/08/23 13:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	458		5.00	mg/Kg			07/28/23 22:53	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-3, 3'

Lab Sample ID: 880-31231-9

Date Collected: 07/25/23 09:50

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 16:34	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/01/23 08:52	08/03/23 16:34	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/01/23 08:52	08/03/23 16:34	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		08/01/23 08:52	08/03/23 16:34	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/01/23 08:52	08/03/23 16:34	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		08/01/23 08:52	08/03/23 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130	08/01/23 08:52	08/03/23 16:34	1
1,4-Difluorobenzene (Surr)	120		70 - 130	08/01/23 08:52	08/03/23 16:34	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			08/03/23 20:41	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 14:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/07/23 14:23	08/08/23 14:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/07/23 14:23	08/08/23 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	169	S1+	70 - 130	08/07/23 14:23	08/08/23 14:09	1
o-Terphenyl (Surr)	160	S1+	70 - 130	08/07/23 14:23	08/08/23 14:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.5		4.96	mg/Kg			07/28/23 22:58	1

Client Sample ID: S-3, 5'

Lab Sample ID: 880-31231-10

Date Collected: 07/25/23 09:55

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 17:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 17:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 17:00	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/01/23 08:52	08/03/23 17:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 17:00	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/01/23 08:52	08/03/23 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130	08/01/23 08:52	08/03/23 17:00	1
1,4-Difluorobenzene (Surr)	122		70 - 130	08/01/23 08:52	08/03/23 17:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-3, 5'

Lab Sample ID: 880-31231-10

Date Collected: 07/25/23 09:55

Matrix: Solid

Date Received: 07/26/23 10:31

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/03/23 20:41	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 14:31	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		08/07/23 14:23	08/08/23 14:31	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		08/07/23 14:23	08/08/23 14:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	164	S1+	70 - 130			08/07/23 14:23	08/08/23 14:31	1
o-Terphenyl (Surr)	157	S1+	70 - 130			08/07/23 14:23	08/08/23 14:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		5.04	mg/Kg			07/28/23 23:04	1

Client Sample ID: S-5, 1'

Lab Sample ID: 880-31231-11

Date Collected: 07/25/23 10:20

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 18:44	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 18:44	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 18:44	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/01/23 08:52	08/03/23 18:44	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 18:44	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/01/23 08:52	08/03/23 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130			08/01/23 08:52	08/03/23 18:44	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130			08/01/23 08:52	08/03/23 18:44	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			08/04/23 10:58	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 15:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		08/07/23 14:23	08/08/23 15:16	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-5, 1'

Lab Sample ID: 880-31231-11

Date Collected: 07/25/23 10:20

Matrix: Solid

Date Received: 07/26/23 10:31

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/07/23 14:23	08/08/23 15:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	156	S1+	70 - 130			08/07/23 14:23	08/08/23 15:16	1
o-Terphenyl (Surr)	138	S1+	70 - 130			08/07/23 14:23	08/08/23 15:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.99	mg/Kg			07/28/23 23:09	1

Client Sample ID: S-5, 3'

Lab Sample ID: 880-31231-12

Date Collected: 07/25/23 10:25

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 19:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/01/23 08:52	08/03/23 19:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/01/23 08:52	08/03/23 19:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/01/23 08:52	08/03/23 19:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/01/23 08:52	08/03/23 19:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/01/23 08:52	08/03/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	55	S1-	70 - 130			08/01/23 08:52	08/03/23 19:09	1
1,4-Difluorobenzene (Surr)	119		70 - 130			08/01/23 08:52	08/03/23 19:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/04/23 10:58	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 15:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/07/23 14:23	08/08/23 15:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		08/07/23 14:23	08/08/23 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	156	S1+	70 - 130			08/07/23 14:23	08/08/23 15:38	1
o-Terphenyl (Surr)	144	S1+	70 - 130			08/07/23 14:23	08/08/23 15:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.9		4.95	mg/Kg			07/28/23 23:25	1

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-5, 5'

Lab Sample ID: 880-31231-13

Date Collected: 07/25/23 10:30

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 19:35	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 19:35	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 19:35	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/01/23 08:52	08/03/23 19:35	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 19:35	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/01/23 08:52	08/03/23 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130	08/01/23 08:52	08/03/23 19:35	1
1,4-Difluorobenzene (Surr)	129		70 - 130	08/01/23 08:52	08/03/23 19:35	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			08/04/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/09/23 10:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		08/07/23 14:23	08/08/23 16:06	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/07/23 14:23	08/08/23 16:06	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/07/23 14:23	08/08/23 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	136	S1+	70 - 130	08/07/23 14:23	08/08/23 16:06	1
o-Terphenyl (Surr)	126		70 - 130	08/07/23 14:23	08/08/23 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.4		5.01	mg/Kg			07/28/23 23:31	1

Client Sample ID: S-6, 1'

Lab Sample ID: 880-31231-14

Date Collected: 07/25/23 10:50

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 20:00	1
Toluene	<0.00202	U	0.00202	mg/Kg		08/01/23 08:52	08/03/23 20:00	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		08/01/23 08:52	08/03/23 20:00	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		08/01/23 08:52	08/03/23 20:00	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		08/01/23 08:52	08/03/23 20:00	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		08/01/23 08:52	08/03/23 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130	08/01/23 08:52	08/03/23 20:00	1
1,4-Difluorobenzene (Surr)	127		70 - 130	08/01/23 08:52	08/03/23 20:00	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-6, 1'

Lab Sample ID: 880-31231-14

Date Collected: 07/25/23 10:50

Matrix: Solid

Date Received: 07/26/23 10:31

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			08/04/23 10:58	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 16:28	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		08/07/23 14:23	08/08/23 16:28	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/07/23 14:23	08/08/23 16:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	169	S1+	70 - 130			08/07/23 14:23	08/08/23 16:28	1
o-Terphenyl (Surr)	158	S1+	70 - 130			08/07/23 14:23	08/08/23 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	223		4.97	mg/Kg			07/28/23 23:47	1

Client Sample ID: S-6, 3'

Lab Sample ID: 880-31231-15

Date Collected: 07/25/23 10:55

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 20:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/01/23 08:52	08/03/23 20:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/01/23 08:52	08/03/23 20:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/01/23 08:52	08/03/23 20:26	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/01/23 08:52	08/03/23 20:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/01/23 08:52	08/03/23 20:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130			08/01/23 08:52	08/03/23 20:26	1
1,4-Difluorobenzene (Surr)	130		70 - 130			08/01/23 08:52	08/03/23 20:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/04/23 10:58	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 16:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		08/07/23 14:23	08/08/23 16:50	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-6, 3'
Date Collected: 07/25/23 10:55
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-15
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg	-	08/07/23 14:23	08/08/23 16:50	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	159	S1+	70 - 130			08/07/23 14:23	08/08/23 16:50	1	
o-Terphenyl (Surr)	142	S1+	70 - 130			08/07/23 14:23	08/08/23 16:50	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	117		4.95	mg/Kg	-		07/28/23 23:53	1	

Client Sample ID: S-6, 5'
Date Collected: 07/25/23 11:00
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-16
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	-	08/01/23 08:52	08/03/23 20:51	1	
Toluene	<0.00200	U	0.00200	mg/Kg	-	08/01/23 08:52	08/03/23 20:51	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	-	08/01/23 08:52	08/03/23 20:51	1	
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg	-	08/01/23 08:52	08/03/23 20:51	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg	-	08/01/23 08:52	08/03/23 20:51	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg	-	08/01/23 08:52	08/03/23 20:51	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	52	S1-	70 - 130			08/01/23 08:52	08/03/23 20:51	1	
1,4-Difluorobenzene (Surr)	125		70 - 130			08/01/23 08:52	08/03/23 20:51	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	-		08/04/23 10:58	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	-		08/09/23 10:33	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	-	08/07/23 14:23	08/08/23 17:12	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg	-	08/07/23 14:23	08/08/23 17:12	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	-	08/07/23 14:23	08/08/23 17:12	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	154	S1+	70 - 130			08/07/23 14:23	08/08/23 17:12	1	
o-Terphenyl (Surr)	145	S1+	70 - 130			08/07/23 14:23	08/08/23 17:12	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	217		4.95	mg/Kg	-		07/28/23 23:58	1	

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-9, 1'

Lab Sample ID: 880-31231-17

Date Collected: 07/25/23 11:25

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 21:17	1
Toluene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 21:17	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 21:17	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		08/01/23 08:52	08/03/23 21:17	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		08/01/23 08:52	08/03/23 21:17	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		08/01/23 08:52	08/03/23 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130	08/01/23 08:52	08/03/23 21:17	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/01/23 08:52	08/03/23 21:17	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			08/04/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/09/23 10:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		08/07/23 14:23	08/08/23 17:35	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/07/23 14:23	08/08/23 17:35	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/07/23 14:23	08/08/23 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	154	S1+	70 - 130	08/07/23 14:23	08/08/23 17:35	1
o-Terphenyl (Surr)	141	S1+	70 - 130	08/07/23 14:23	08/08/23 17:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	839		5.01	mg/Kg			07/29/23 00:03	1

Client Sample ID: S-9, 3'

Lab Sample ID: 880-31231-18

Date Collected: 07/25/23 11:30

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 21:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		08/01/23 08:52	08/03/23 21:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		08/01/23 08:52	08/03/23 21:42	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		08/01/23 08:52	08/03/23 21:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		08/01/23 08:52	08/03/23 21:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		08/01/23 08:52	08/03/23 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130	08/01/23 08:52	08/03/23 21:42	1
1,4-Difluorobenzene (Surr)	140	S1+	70 - 130	08/01/23 08:52	08/03/23 21:42	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-9, 3'

Lab Sample ID: 880-31231-18

Date Collected: 07/25/23 11:30

Matrix: Solid

Date Received: 07/26/23 10:31

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			08/04/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			08/09/23 10:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		08/07/23 14:23	08/08/23 17:57	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		08/07/23 14:23	08/08/23 17:57	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		08/07/23 14:23	08/08/23 17:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	153	S1+	70 - 130			08/07/23 14:23	08/08/23 17:57	1
o-Terphenyl (Surr)	142	S1+	70 - 130			08/07/23 14:23	08/08/23 17:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	358		5.05	mg/Kg			07/29/23 00:09	1

Client Sample ID: S-9, 5'

Lab Sample ID: 880-31231-19

Date Collected: 07/25/23 11:35

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 22:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 22:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 22:07	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		08/01/23 08:52	08/03/23 22:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 22:07	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		08/01/23 08:52	08/03/23 22:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130			08/01/23 08:52	08/03/23 22:07	1
1,4-Difluorobenzene (Surr)	120		70 - 130			08/01/23 08:52	08/03/23 22:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			08/04/23 10:58	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			08/09/23 10:33	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		08/07/23 14:23	08/08/23 18:19	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		08/07/23 14:23	08/08/23 18:19	1

Eurofins Midland

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-9, 5'

Lab Sample ID: 880-31231-19

Date Collected: 07/25/23 11:35

Matrix: Solid

Date Received: 07/26/23 10:31

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/07/23 14:23	08/08/23 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	155	S1+	70 - 130			08/07/23 14:23	08/08/23 18:19	1
o-Terphenyl (Surr)	149	S1+	70 - 130			08/07/23 14:23	08/08/23 18:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	665		4.98	mg/Kg			07/29/23 00:14	1

Client Sample ID: S-9, 8'

Lab Sample ID: 880-31231-20

Date Collected: 07/25/23 11:40

Matrix: Solid

Date Received: 07/26/23 10:31

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		08/01/23 08:52	08/03/23 22:33	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/01/23 08:52	08/03/23 22:33	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/01/23 08:52	08/03/23 22:33	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/01/23 08:52	08/03/23 22:33	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/01/23 08:52	08/03/23 22:33	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/01/23 08:52	08/03/23 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130			08/01/23 08:52	08/03/23 22:33	1
1,4-Difluorobenzene (Surr)	116		70 - 130			08/01/23 08:52	08/03/23 22:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/04/23 10:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			08/09/23 10:33	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	<50.5	U	50.5	mg/Kg		08/07/23 14:23	08/08/23 18:41	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		08/07/23 14:23	08/08/23 18:41	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/07/23 14:23	08/08/23 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130			08/07/23 14:23	08/08/23 18:41	1
o-Terphenyl (Surr)	113		70 - 130			08/07/23 14:23	08/08/23 18:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	453		4.96	mg/Kg			07/29/23 00:19	1

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Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-31231-1	S-4, 1'	51 S1-	111				
880-31231-1 MS	S-4, 1'	59 S1-	126				
880-31231-1 MSD	S-4, 1'	55 S1-	105				
880-31231-2	S-4, 3'	58 S1-	126				
880-31231-3	S-4, 5'	66 S1-	126				
880-31231-4	S-4, 10'	51 S1-	115				
880-31231-5	S-2, 1'	72	144 S1+				
880-31231-6	S-2, 3'	63 S1-	135 S1+				
880-31231-7	S-2, 5'	63 S1-	129				
880-31231-8	S-3, 1'	66 S1-	116				
880-31231-9	S-3, 3'	59 S1-	120				
880-31231-10	S-3, 5'	58 S1-	122				
880-31231-11	S-5, 1'	68 S1-	137 S1+				
880-31231-12	S-5, 3'	55 S1-	119				
880-31231-13	S-5, 5'	59 S1-	129				
880-31231-14	S-6, 1'	58 S1-	127				
880-31231-15	S-6, 3'	63 S1-	130				
880-31231-16	S-6, 5'	52 S1-	125				
880-31231-17	S-9, 1'	57 S1-	112				
880-31231-18	S-9, 3'	61 S1-	140 S1+				
880-31231-19	S-9, 5'	62 S1-	120				
880-31231-20	S-9, 8'	58 S1-	116				
LCS 880-58968/1-A	Lab Control Sample	53 S1-	95				
LCSD 880-58968/2-A	Lab Control Sample Dup	58 S1-	121				
MB 880-58968/5-A	Method Blank	33 S1-	123				
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	OTPH1				
		(70-130)	(70-130)				
880-31231-1	S-4, 1'	163 S1+	142 S1+				
880-31231-1 MS	S-4, 1'	152 S1+	116				
880-31231-1 MSD	S-4, 1'	153 S1+	114				
880-31231-2	S-4, 3'	159 S1+	145 S1+				
880-31231-3	S-4, 5'	165 S1+	155 S1+				
880-31231-4	S-4, 10'	156 S1+	148 S1+				
880-31231-5	S-2, 1'	171 S1+	156 S1+				
880-31231-6	S-2, 3'	164 S1+	148 S1+				
880-31231-7	S-2, 5'	180 S1+	168 S1+				
880-31231-8	S-3, 1'	158 S1+	148 S1+				
880-31231-9	S-3, 3'	169 S1+	160 S1+				
880-31231-10	S-3, 5'	164 S1+	157 S1+				
880-31231-11	S-5, 1'	156 S1+	138 S1+				
880-31231-12	S-5, 3'	156 S1+	144 S1+				

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-31231-13	S-5, 5'	136 S1+	126
880-31231-14	S-6, 1'	169 S1+	158 S1+
880-31231-15	S-6, 3'	159 S1+	142 S1+
880-31231-16	S-6, 5'	154 S1+	145 S1+
880-31231-17	S-9, 1'	154 S1+	141 S1+
880-31231-18	S-9, 3'	153 S1+	142 S1+
880-31231-19	S-9, 5'	155 S1+	149 S1+
880-31231-20	S-9, 8'	119	113
LCS 880-59532/2-A	Lab Control Sample	151 S1+	141 S1+
LCSD 880-59532/3-A	Lab Control Sample Dup	161 S1+	151 S1+
MB 880-59532/1-A	Method Blank	183 S1+	179 S1+

Surrogate Legend

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

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-58968/5-A					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Total/NA				
Analysis Batch: 59171					Prep Batch: 58968				
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 12:09	1	
Toluene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 12:09	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 12:09	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/01/23 08:52	08/03/23 12:09	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/01/23 08:52	08/03/23 12:09	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/01/23 08:52	08/03/23 12:09	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	33	S1-	70 - 130			08/01/23 08:52	08/03/23 12:09	1	
1,4-Difluorobenzene (Surr)	123		70 - 130			08/01/23 08:52	08/03/23 12:09	1	

Lab Sample ID: LCS 880-58968/1-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 59171						Prep Batch: 58968			
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1009		mg/Kg		101	70 - 130	
Toluene		0.100	0.09686		mg/Kg		97	70 - 130	
Ethylbenzene		0.100	0.09913		mg/Kg		99	70 - 130	
m,p-Xylenes		0.200	0.2102		mg/Kg		105	70 - 130	
o-Xylene		0.100	0.09860		mg/Kg		99	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	53	S1-	70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: LCSD 880-58968/2-A						Client Sample ID: Lab Control Sample Dup				
Matrix: Solid						Prep Type: Total/NA				
Analysis Batch: 59171						Prep Batch: 58968				
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.0996	0.1219		mg/Kg		122	70 - 130	19	35
Toluene		0.0996	0.1207		mg/Kg		121	70 - 130	22	35
Ethylbenzene		0.0996	0.1208		mg/Kg		121	70 - 130	20	35
m,p-Xylenes		0.199	0.2518		mg/Kg		126	70 - 130	18	35
o-Xylene		0.0996	0.1161		mg/Kg		117	70 - 130	16	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130							
1,4-Difluorobenzene (Surr)	121		70 - 130							

Lab Sample ID: 880-31231-1 MS						Client Sample ID: S-4, 1'			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 59171						Prep Batch: 58968			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0994	0.1181		mg/Kg		119	70 - 130
Toluene	<0.00200	U	0.0994	0.1054		mg/Kg		106	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

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

Lab Sample ID: 880-31231-1 MS
Matrix: Solid
Analysis Batch: 59171

Client Sample ID: S-4, 1'
Prep Type: Total/NA
Prep Batch: 58968

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0994	0.1054		mg/Kg		105	70 - 130
m,p-Xylenes	<0.00399	U	0.199	0.2130		mg/Kg		107	70 - 130
o-Xylene	<0.00200	U	0.0994	0.1011		mg/Kg		102	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130						
1,4-Difluorobenzene (Surr)	126		70 - 130						

Lab Sample ID: 880-31231-1 MSD
Matrix: Solid
Analysis Batch: 59171

Client Sample ID: S-4, 1'
Prep Type: Total/NA
Prep Batch: 58968

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	0.08647		mg/Kg		86	70 - 130	31	35
Toluene	<0.00200	U	0.100	0.08851		mg/Kg		89	70 - 130	17	35
Ethylbenzene	<0.00200	U	0.100	0.08073		mg/Kg		80	70 - 130	26	35
m,p-Xylenes	<0.00399	U	0.200	0.1693		mg/Kg		85	70 - 130	23	35
o-Xylene	<0.00200	U	0.100	0.07997		mg/Kg		80	70 - 130	23	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	55	S1-	70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

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

Lab Sample ID: MB 880-59532/1-A
Matrix: Solid
Analysis Batch: 59596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59532

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		08/07/23 14:23	08/08/23 07:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/07/23 14:23	08/08/23 07:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/07/23 14:23	08/08/23 07:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	183	S1+	70 - 130	08/07/23 14:23	08/08/23 07:49	1		
o-Terphenyl (Surr)	179	S1+	70 - 130	08/07/23 14:23	08/08/23 07:49	1		

Lab Sample ID: LCS 880-59532/2-A
Matrix: Solid
Analysis Batch: 59596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59532

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	983.7		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	832.6		mg/Kg		83	70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

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

Lab Sample ID: LCS 880-59532/2-A

Matrix: Solid

Analysis Batch: 59596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59532

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	151	S1+	70 - 130
o-Terphenyl (Surr)	141	S1+	70 - 130

Lab Sample ID: LCSD 880-59532/3-A

Matrix: Solid

Analysis Batch: 59596

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59532

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.4		mg/Kg		96	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	824.1		mg/Kg		82	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	161	S1+	70 - 130
o-Terphenyl (Surr)	151	S1+	70 - 130

Lab Sample ID: 880-31231-1 MS

Matrix: Solid

Analysis Batch: 59596

Client Sample ID: S-4, 1'

Prep Type: Total/NA

Prep Batch: 59532

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	996	1003		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F1	996	1460	F1	mg/Kg		144	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	152	S1+	70 - 130
o-Terphenyl (Surr)	116		70 - 130

Lab Sample ID: 880-31231-1 MSD

Matrix: Solid

Analysis Batch: 59596

Client Sample ID: S-4, 1'

Prep Type: Total/NA

Prep Batch: 59532

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	996	1002		mg/Kg		97	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	996	1449	F1	mg/Kg		143	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	153	S1+	70 - 130
o-Terphenyl (Surr)	114		70 - 130

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QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58562/1-A

Matrix: Solid

Analysis Batch: 58742

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/28/23 21:38	1

Lab Sample ID: LCS 880-58562/2-A

Matrix: Solid

Analysis Batch: 58742

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-58562/3-A

Matrix: Solid

Analysis Batch: 58742

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	262.3		mg/Kg		105	90 - 110	5	20

Lab Sample ID: 880-31231-1 MS

Matrix: Solid

Analysis Batch: 58742

Client Sample ID: S-4, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	305		250	572.0		mg/Kg		107	90 - 110

Lab Sample ID: 880-31231-1 MSD

Matrix: Solid

Analysis Batch: 58742

Client Sample ID: S-4, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	305		250	574.4		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-31231-11 MS

Matrix: Solid

Analysis Batch: 58742

Client Sample ID: S-5, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	140		250	406.4		mg/Kg		107	90 - 110

Lab Sample ID: 880-31231-11 MSD

Matrix: Solid

Analysis Batch: 58742

Client Sample ID: S-5, 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	140		250	405.4		mg/Kg		107	90 - 110	0	20

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QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

GC VOA

Prep Batch: 58968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-1	S-4, 1'	Total/NA	Solid	5035	
880-31231-2	S-4, 3'	Total/NA	Solid	5035	
880-31231-3	S-4, 5'	Total/NA	Solid	5035	
880-31231-4	S-4, 10'	Total/NA	Solid	5035	
880-31231-5	S-2, 1'	Total/NA	Solid	5035	
880-31231-6	S-2, 3'	Total/NA	Solid	5035	
880-31231-7	S-2, 5'	Total/NA	Solid	5035	
880-31231-8	S-3, 1'	Total/NA	Solid	5035	
880-31231-9	S-3, 3'	Total/NA	Solid	5035	
880-31231-10	S-3, 5'	Total/NA	Solid	5035	
880-31231-11	S-5, 1'	Total/NA	Solid	5035	
880-31231-12	S-5, 3'	Total/NA	Solid	5035	
880-31231-13	S-5, 5'	Total/NA	Solid	5035	
880-31231-14	S-6, 1'	Total/NA	Solid	5035	
880-31231-15	S-6, 3'	Total/NA	Solid	5035	
880-31231-16	S-6, 5'	Total/NA	Solid	5035	
880-31231-17	S-9, 1'	Total/NA	Solid	5035	
880-31231-18	S-9, 3'	Total/NA	Solid	5035	
880-31231-19	S-9, 5'	Total/NA	Solid	5035	
880-31231-20	S-9, 8'	Total/NA	Solid	5035	
MB 880-58968/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58968/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58968/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31231-1 MS	S-4, 1'	Total/NA	Solid	5035	
880-31231-1 MSD	S-4, 1'	Total/NA	Solid	5035	

Analysis Batch: 59171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-1	S-4, 1'	Total/NA	Solid	8021B	58968
880-31231-2	S-4, 3'	Total/NA	Solid	8021B	58968
880-31231-3	S-4, 5'	Total/NA	Solid	8021B	58968
880-31231-4	S-4, 10'	Total/NA	Solid	8021B	58968
880-31231-5	S-2, 1'	Total/NA	Solid	8021B	58968
880-31231-6	S-2, 3'	Total/NA	Solid	8021B	58968
880-31231-7	S-2, 5'	Total/NA	Solid	8021B	58968
880-31231-8	S-3, 1'	Total/NA	Solid	8021B	58968
880-31231-9	S-3, 3'	Total/NA	Solid	8021B	58968
880-31231-10	S-3, 5'	Total/NA	Solid	8021B	58968
880-31231-11	S-5, 1'	Total/NA	Solid	8021B	58968
880-31231-12	S-5, 3'	Total/NA	Solid	8021B	58968
880-31231-13	S-5, 5'	Total/NA	Solid	8021B	58968
880-31231-14	S-6, 1'	Total/NA	Solid	8021B	58968
880-31231-15	S-6, 3'	Total/NA	Solid	8021B	58968
880-31231-16	S-6, 5'	Total/NA	Solid	8021B	58968
880-31231-17	S-9, 1'	Total/NA	Solid	8021B	58968
880-31231-18	S-9, 3'	Total/NA	Solid	8021B	58968
880-31231-19	S-9, 5'	Total/NA	Solid	8021B	58968
880-31231-20	S-9, 8'	Total/NA	Solid	8021B	58968
MB 880-58968/5-A	Method Blank	Total/NA	Solid	8021B	58968
LCS 880-58968/1-A	Lab Control Sample	Total/NA	Solid	8021B	58968
LCSD 880-58968/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58968

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

GC VOA (Continued)

Analysis Batch: 59171 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-1 MS	S-4, 1'	Total/NA	Solid	8021B	58968
880-31231-1 MSD	S-4, 1'	Total/NA	Solid	8021B	58968

Analysis Batch: 59278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-1	S-4, 1'	Total/NA	Solid	Total BTEX	
880-31231-2	S-4, 3'	Total/NA	Solid	Total BTEX	
880-31231-3	S-4, 5'	Total/NA	Solid	Total BTEX	
880-31231-4	S-4, 10'	Total/NA	Solid	Total BTEX	
880-31231-5	S-2, 1'	Total/NA	Solid	Total BTEX	
880-31231-6	S-2, 3'	Total/NA	Solid	Total BTEX	
880-31231-7	S-2, 5'	Total/NA	Solid	Total BTEX	
880-31231-8	S-3, 1'	Total/NA	Solid	Total BTEX	
880-31231-9	S-3, 3'	Total/NA	Solid	Total BTEX	
880-31231-10	S-3, 5'	Total/NA	Solid	Total BTEX	
880-31231-11	S-5, 1'	Total/NA	Solid	Total BTEX	
880-31231-12	S-5, 3'	Total/NA	Solid	Total BTEX	
880-31231-13	S-5, 5'	Total/NA	Solid	Total BTEX	
880-31231-14	S-6, 1'	Total/NA	Solid	Total BTEX	
880-31231-15	S-6, 3'	Total/NA	Solid	Total BTEX	
880-31231-16	S-6, 5'	Total/NA	Solid	Total BTEX	
880-31231-17	S-9, 1'	Total/NA	Solid	Total BTEX	
880-31231-18	S-9, 3'	Total/NA	Solid	Total BTEX	
880-31231-19	S-9, 5'	Total/NA	Solid	Total BTEX	
880-31231-20	S-9, 8'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-1	S-4, 1'	Total/NA	Solid	8015NM Prep	
880-31231-2	S-4, 3'	Total/NA	Solid	8015NM Prep	
880-31231-3	S-4, 5'	Total/NA	Solid	8015NM Prep	
880-31231-4	S-4, 10'	Total/NA	Solid	8015NM Prep	
880-31231-5	S-2, 1'	Total/NA	Solid	8015NM Prep	
880-31231-6	S-2, 3'	Total/NA	Solid	8015NM Prep	
880-31231-7	S-2, 5'	Total/NA	Solid	8015NM Prep	
880-31231-8	S-3, 1'	Total/NA	Solid	8015NM Prep	
880-31231-9	S-3, 3'	Total/NA	Solid	8015NM Prep	
880-31231-10	S-3, 5'	Total/NA	Solid	8015NM Prep	
880-31231-11	S-5, 1'	Total/NA	Solid	8015NM Prep	
880-31231-12	S-5, 3'	Total/NA	Solid	8015NM Prep	
880-31231-13	S-5, 5'	Total/NA	Solid	8015NM Prep	
880-31231-14	S-6, 1'	Total/NA	Solid	8015NM Prep	
880-31231-15	S-6, 3'	Total/NA	Solid	8015NM Prep	
880-31231-16	S-6, 5'	Total/NA	Solid	8015NM Prep	
880-31231-17	S-9, 1'	Total/NA	Solid	8015NM Prep	
880-31231-18	S-9, 3'	Total/NA	Solid	8015NM Prep	
880-31231-19	S-9, 5'	Total/NA	Solid	8015NM Prep	
880-31231-20	S-9, 8'	Total/NA	Solid	8015NM Prep	
MB 880-59532/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

GC Semi VOA (Continued)

Prep Batch: 59532 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-59532/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59532/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31231-1 MS	S-4, 1'	Total/NA	Solid	8015NM Prep	
880-31231-1 MSD	S-4, 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-1	S-4, 1'	Total/NA	Solid	8015B NM	59532
880-31231-2	S-4, 3'	Total/NA	Solid	8015B NM	59532
880-31231-3	S-4, 5'	Total/NA	Solid	8015B NM	59532
880-31231-4	S-4, 10'	Total/NA	Solid	8015B NM	59532
880-31231-5	S-2, 1'	Total/NA	Solid	8015B NM	59532
880-31231-6	S-2, 3'	Total/NA	Solid	8015B NM	59532
880-31231-7	S-2, 5'	Total/NA	Solid	8015B NM	59532
880-31231-8	S-3, 1'	Total/NA	Solid	8015B NM	59532
880-31231-9	S-3, 3'	Total/NA	Solid	8015B NM	59532
880-31231-10	S-3, 5'	Total/NA	Solid	8015B NM	59532
880-31231-11	S-5, 1'	Total/NA	Solid	8015B NM	59532
880-31231-12	S-5, 3'	Total/NA	Solid	8015B NM	59532
880-31231-13	S-5, 5'	Total/NA	Solid	8015B NM	59532
880-31231-14	S-6, 1'	Total/NA	Solid	8015B NM	59532
880-31231-15	S-6, 3'	Total/NA	Solid	8015B NM	59532
880-31231-16	S-6, 5'	Total/NA	Solid	8015B NM	59532
880-31231-17	S-9, 1'	Total/NA	Solid	8015B NM	59532
880-31231-18	S-9, 3'	Total/NA	Solid	8015B NM	59532
880-31231-19	S-9, 5'	Total/NA	Solid	8015B NM	59532
880-31231-20	S-9, 8'	Total/NA	Solid	8015B NM	59532
MB 880-59532/1-A	Method Blank	Total/NA	Solid	8015B NM	59532
LCS 880-59532/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59532
LCSD 880-59532/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59532
880-31231-1 MS	S-4, 1'	Total/NA	Solid	8015B NM	59532
880-31231-1 MSD	S-4, 1'	Total/NA	Solid	8015B NM	59532

Analysis Batch: 59739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-1	S-4, 1'	Total/NA	Solid	8015 NM	
880-31231-2	S-4, 3'	Total/NA	Solid	8015 NM	
880-31231-3	S-4, 5'	Total/NA	Solid	8015 NM	
880-31231-4	S-4, 10'	Total/NA	Solid	8015 NM	
880-31231-5	S-2, 1'	Total/NA	Solid	8015 NM	
880-31231-6	S-2, 3'	Total/NA	Solid	8015 NM	
880-31231-7	S-2, 5'	Total/NA	Solid	8015 NM	
880-31231-8	S-3, 1'	Total/NA	Solid	8015 NM	
880-31231-9	S-3, 3'	Total/NA	Solid	8015 NM	
880-31231-10	S-3, 5'	Total/NA	Solid	8015 NM	
880-31231-11	S-5, 1'	Total/NA	Solid	8015 NM	
880-31231-12	S-5, 3'	Total/NA	Solid	8015 NM	
880-31231-13	S-5, 5'	Total/NA	Solid	8015 NM	
880-31231-14	S-6, 1'	Total/NA	Solid	8015 NM	
880-31231-15	S-6, 3'	Total/NA	Solid	8015 NM	
880-31231-16	S-6, 5'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

GC Semi VOA (Continued)

Analysis Batch: 59739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-17	S-9, 1'	Total/NA	Solid	8015 NM	
880-31231-18	S-9, 3'	Total/NA	Solid	8015 NM	
880-31231-19	S-9, 5'	Total/NA	Solid	8015 NM	
880-31231-20	S-9, 8'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 58562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-1	S-4, 1'	Soluble	Solid	DI Leach	
880-31231-2	S-4, 3'	Soluble	Solid	DI Leach	
880-31231-3	S-4, 5'	Soluble	Solid	DI Leach	
880-31231-4	S-4, 10'	Soluble	Solid	DI Leach	
880-31231-5	S-2, 1'	Soluble	Solid	DI Leach	
880-31231-6	S-2, 3'	Soluble	Solid	DI Leach	
880-31231-7	S-2, 5'	Soluble	Solid	DI Leach	
880-31231-8	S-3, 1'	Soluble	Solid	DI Leach	
880-31231-9	S-3, 3'	Soluble	Solid	DI Leach	
880-31231-10	S-3, 5'	Soluble	Solid	DI Leach	
880-31231-11	S-5, 1'	Soluble	Solid	DI Leach	
880-31231-12	S-5, 3'	Soluble	Solid	DI Leach	
880-31231-13	S-5, 5'	Soluble	Solid	DI Leach	
880-31231-14	S-6, 1'	Soluble	Solid	DI Leach	
880-31231-15	S-6, 3'	Soluble	Solid	DI Leach	
880-31231-16	S-6, 5'	Soluble	Solid	DI Leach	
880-31231-17	S-9, 1'	Soluble	Solid	DI Leach	
880-31231-18	S-9, 3'	Soluble	Solid	DI Leach	
880-31231-19	S-9, 5'	Soluble	Solid	DI Leach	
880-31231-20	S-9, 8'	Soluble	Solid	DI Leach	
MB 880-58562/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58562/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58562/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31231-1 MS	S-4, 1'	Soluble	Solid	DI Leach	
880-31231-1 MSD	S-4, 1'	Soluble	Solid	DI Leach	
880-31231-11 MS	S-5, 1'	Soluble	Solid	DI Leach	
880-31231-11 MSD	S-5, 1'	Soluble	Solid	DI Leach	

Analysis Batch: 58742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-1	S-4, 1'	Soluble	Solid	300.0	58562
880-31231-2	S-4, 3'	Soluble	Solid	300.0	58562
880-31231-3	S-4, 5'	Soluble	Solid	300.0	58562
880-31231-4	S-4, 10'	Soluble	Solid	300.0	58562
880-31231-5	S-2, 1'	Soluble	Solid	300.0	58562
880-31231-6	S-2, 3'	Soluble	Solid	300.0	58562
880-31231-7	S-2, 5'	Soluble	Solid	300.0	58562
880-31231-8	S-3, 1'	Soluble	Solid	300.0	58562
880-31231-9	S-3, 3'	Soluble	Solid	300.0	58562
880-31231-10	S-3, 5'	Soluble	Solid	300.0	58562
880-31231-11	S-5, 1'	Soluble	Solid	300.0	58562
880-31231-12	S-5, 3'	Soluble	Solid	300.0	58562

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

HPLC/IC (Continued)

Analysis Batch: 58742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31231-13	S-5, 5'	Soluble	Solid	300.0	58562
880-31231-14	S-6, 1'	Soluble	Solid	300.0	58562
880-31231-15	S-6, 3'	Soluble	Solid	300.0	58562
880-31231-16	S-6, 5'	Soluble	Solid	300.0	58562
880-31231-17	S-9, 1'	Soluble	Solid	300.0	58562
880-31231-18	S-9, 3'	Soluble	Solid	300.0	58562
880-31231-19	S-9, 5'	Soluble	Solid	300.0	58562
880-31231-20	S-9, 8'	Soluble	Solid	300.0	58562
MB 880-58562/1-A	Method Blank	Soluble	Solid	300.0	58562
LCS 880-58562/2-A	Lab Control Sample	Soluble	Solid	300.0	58562
LCSD 880-58562/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58562
880-31231-1 MS	S-4, 1'	Soluble	Solid	300.0	58562
880-31231-1 MSD	S-4, 1'	Soluble	Solid	300.0	58562
880-31231-11 MS	S-5, 1'	Soluble	Solid	300.0	58562
880-31231-11 MSD	S-5, 1'	Soluble	Solid	300.0	58562

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-4, 1'
Date Collected: 07/25/23 08:55
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-1
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	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 12:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 10:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 21:54	CH	EET MID

Client Sample ID: S-4, 3'
Date Collected: 07/25/23 08:57
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-2
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			5.05 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 13:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 11:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 22:10	CH	EET MID

Client Sample ID: S-4, 5'
Date Collected: 07/25/23 08:59
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 13:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 11:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 22:16	CH	EET MID

Client Sample ID: S-4, 10'
Date Collected: 07/25/23 09:03
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-4
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			4.99 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 13:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-4, 10'

Date Collected: 07/25/23 09:03

Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 12:17	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 22:21	CH	EET MID

Client Sample ID: S-2, 1'

Date Collected: 07/25/23 09:07

Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 14:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 12:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		5			58742	07/29/23 11:47	CH	EET MID

Client Sample ID: S-2, 3'

Date Collected: 07/25/23 09:12

Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 14:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 13:02	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 22:42	CH	EET MID

Client Sample ID: S-2, 5'

Date Collected: 07/25/23 09:15

Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 15:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 13:24	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-2, 5'
Date Collected: 07/25/23 09:15
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 22:48	CH	EET MID

Client Sample ID: S-3, 1'
Date Collected: 07/25/23 09:45
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 16:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 13:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 22:53	CH	EET MID

Client Sample ID: S-3, 3'
Date Collected: 07/25/23 09:50
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-9
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			4.95 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 16:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 14:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 22:58	CH	EET MID

Client Sample ID: S-3, 5'
Date Collected: 07/25/23 09:55
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-10
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			4.99 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 17:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/03/23 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 14:31	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 23:04	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-5, 1'
Date Collected: 07/25/23 10:20
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-11
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			5.05 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 18:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 15:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 23:09	CH	EET MID

Client Sample ID: S-5, 3'
Date Collected: 07/25/23 10:25
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 19:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 15:38	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 23:25	CH	EET MID

Client Sample ID: S-5, 5'
Date Collected: 07/25/23 10:30
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 19:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 16:06	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 23:31	CH	EET MID

Client Sample ID: S-6, 1'
Date Collected: 07/25/23 10:50
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 20:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-6, 1'
Date Collected: 07/25/23 10:50
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 16:28	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 23:47	CH	EET MID

Client Sample ID: S-6, 3'
Date Collected: 07/25/23 10:55
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 20:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 16:50	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 23:53	CH	EET MID

Client Sample ID: S-6, 5'
Date Collected: 07/25/23 11:00
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 20:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 17:12	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/28/23 23:58	CH	EET MID

Client Sample ID: S-9, 1'
Date Collected: 07/25/23 11:25
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 21:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 17:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Client Sample ID: S-9, 1'
Date Collected: 07/25/23 11:25
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/29/23 00:03	CH	EET MID

Client Sample ID: S-9, 3'
Date Collected: 07/25/23 11:30
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 21:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 17:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/29/23 00:09	CH	EET MID

Client Sample ID: S-9, 5'
Date Collected: 07/25/23 11:35
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 22:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 18:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/29/23 00:14	CH	EET MID

Client Sample ID: S-9, 8'
Date Collected: 07/25/23 11:40
Date Received: 07/26/23 10:31

Lab Sample ID: 880-31231-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	58968	08/01/23 08:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59171	08/03/23 22:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59278	08/04/23 10:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			59739	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59532	08/07/23 14:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/08/23 18:41	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	58562	07/26/23 12:13	KS	EET MID
Soluble	Analysis	300.0		1			58742	07/29/23 00:19	CH	EET MID

Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

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

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Accreditation/Certification Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

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	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
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- 13
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Method Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

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: Chamaelon State Com Battery

Job ID: 880-31231-1
SDG: 23-0102-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31231-1	S-4, 1'	Solid	07/25/23 08:55	07/26/23 10:31
880-31231-2	S-4, 3'	Solid	07/25/23 08:57	07/26/23 10:31
880-31231-3	S-4, 5'	Solid	07/25/23 08:59	07/26/23 10:31
880-31231-4	S-4, 10'	Solid	07/25/23 09:03	07/26/23 10:31
880-31231-5	S-2, 1'	Solid	07/25/23 09:07	07/26/23 10:31
880-31231-6	S-2, 3'	Solid	07/25/23 09:12	07/26/23 10:31
880-31231-7	S-2, 5'	Solid	07/25/23 09:15	07/26/23 10:31
880-31231-8	S-3, 1'	Solid	07/25/23 09:45	07/26/23 10:31
880-31231-9	S-3, 3'	Solid	07/25/23 09:50	07/26/23 10:31
880-31231-10	S-3, 5'	Solid	07/25/23 09:55	07/26/23 10:31
880-31231-11	S-5, 1'	Solid	07/25/23 10:20	07/26/23 10:31
880-31231-12	S-5, 3'	Solid	07/25/23 10:25	07/26/23 10:31
880-31231-13	S-5, 5'	Solid	07/25/23 10:30	07/26/23 10:31
880-31231-14	S-6, 1'	Solid	07/25/23 10:50	07/26/23 10:31
880-31231-15	S-6, 3'	Solid	07/25/23 10:55	07/26/23 10:31
880-31231-16	S-6, 5'	Solid	07/25/23 11:00	07/26/23 10:31
880-31231-17	S-9, 1'	Solid	07/25/23 11:25	07/26/23 10:31
880-31231-18	S-9, 3'	Solid	07/25/23 11:30	07/26/23 10:31
880-31231-19	S-9, 5'	Solid	07/25/23 11:35	07/26/23 10:31
880-31231-20	S-9, 8'	Solid	07/25/23 11:40	07/26/23 10:31

Varson & Associates, Inc.
Environmental Consultants

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

Data Reported to:

DATE: 2/26/2023 PAGE 1 OF 2
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME: Chambers State Com Battery
LAI PROJECT # 23-0102-05 COLLECTOR: NV/LK

CHAIN-OF-CUSTODY

31231 No. 3101

TRRP report?		S=SOIL W=WATER A=AIR		P=PAINT SL=SLUDGE OT=OTHER		PRESERVATION		ANALYSES		FIELD NOTES	
TIME ZONE	Time zone/State	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE	UNPRESERVED
☐ Yes ☒ No											
nvt/nm											
5-4, 1'			7/25/23	0855	S	1				X	X
5-4, 3'				0852							X
5-4, 5'				0859							X
5-4, 10'				0903							X
5-2, 1'				0907							X
5-2, 3'				0912							X
5-2, 5'				0915							X
5-3, 1'				0945							X
5-3, 3'				0950							X
5-3, 5'				0955							X
5-5, 1'				1020							X
5-5, 3'				1025							X
5-5, 5'				1030							X
5-6, 1'				1050							X
5-6, 3'				1055							X
TOTAL											
RELINQUISHED BY (Signature) _____ DATE/TIME <u>7/26/23 1031</u> RECEIVED BY (Signature) _____											
RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____											
RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____											
LABORATORY Xence _____ DATE/TIME _____ RECEIVED BY (Signature) _____											
TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐											
LABORATORY USE ONLY: RECEIVING TEMP <u>15.1</u> THERM# <u>103</u> CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # _____ ☐ HAND DELIVERED											



880-31231 Chain of Custody

8/9/2023

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-31231-1
SDG Number: 23-0102-05

Login Number: 31231
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/9/2023 10:02:58 AM

JOB DESCRIPTION

Chamaeleon State Com Battery
SDG NUMBER 23-0102-05

JOB NUMBER

880-31400-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

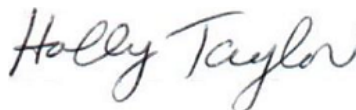
Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/9/2023 10:02:58 AM

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

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

Laboratory Job ID: 880-31400-1
SDG: 23-0102-05

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Definitions/Glossary

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

Job ID: 880-31400-1
SDG: 23-0102-05

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 880-31400-1
SDG: 23-0102-05

Job ID: 880-31400-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-31400-1
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Receipt

The sample was received on 7/28/2023 2:27 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C

Receipt Exceptions

The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: S-11,0-1 (880-31400-1).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59296 recovered below the lower control limit for Benzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-59296/33).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59296 recovered above the upper control limit for Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-59296/64).

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-11,0-1 (880-31400-1), (CCV 880-59596/31), (CCV 880-59596/47), (CCV 880-59596/58), (LCS 880-59402/2-A), (LCSD 880-59402/3-A), (870-19120-A-2-E), (870-19120-A-2-F MS) and (870-19120-A-2-G MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-59402 and analytical batch 880-59596 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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 State Com Battery

Job ID: 880-31400-1
SDG: 23-0102-05

Client Sample ID: S-11,0-1

Lab Sample ID: 880-31400-1

Date Collected: 07/25/23 13:00

Matrix: Solid

Date Received: 07/28/23 14:27

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		08/04/23 13:45	08/05/23 04:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/04/23 13:45	08/05/23 04:54	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/04/23 13:45	08/05/23 04:54	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/04/23 13:45	08/05/23 04:54	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/04/23 13:45	08/05/23 04:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/04/23 13:45	08/05/23 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/04/23 13:45	08/05/23 04:54	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/04/23 13:45	08/05/23 04:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/07/23 16:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.2		50.2	mg/Kg			08/09/23 10:33	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		08/07/23 14:17	08/09/23 03:41	1
Diesel Range Organics (Over C10-C28)	53.2		50.2	mg/Kg		08/07/23 14:17	08/09/23 03:41	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/07/23 14:17	08/09/23 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130	08/07/23 14:17	08/09/23 03:41	1
o-Terphenyl (Surr)	128		70 - 130	08/07/23 14:17	08/09/23 03:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	459		5.02	mg/Kg			08/01/23 15:33	1

Eurofins Midland

Surrogate Summary

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

Job ID: 880-31400-1
SDG: 23-0102-05

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)
880-31400-1	S-11,0-1	98	109
LCS 880-59346/1-A	Lab Control Sample	94	100
LCSD 880-59346/2-A	Lab Control Sample Dup	93	103
MB 880-59297/5-A	Method Blank	82	91
MB 880-59346/5-A	Method Blank	84	88
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)
880-31400-1	S-11,0-1	140 S1+	128
LCS 880-59402/2-A	Lab Control Sample	169 S1+	148 S1+
LCSD 880-59402/3-A	Lab Control Sample Dup	172 S1+	158 S1+
MB 880-59402/1-A	Method Blank	113	105
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

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

Job ID: 880-31400-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59297/5-A						Client Sample ID: Method Blank		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 59296						Prep Batch: 59297		
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/04/23 08:20	08/04/23 12:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 08:20	08/04/23 12:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 08:20	08/04/23 12:38	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/04/23 08:20	08/04/23 12:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 08:20	08/04/23 12:38	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/04/23 08:20	08/04/23 12:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			08/04/23 08:20	08/04/23 12:38	1
1,4-Difluorobenzene (Surr)	91		70 - 130			08/04/23 08:20	08/04/23 12:38	1

Lab Sample ID: MB 880-59346/5-A						Client Sample ID: Method Blank		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 59296						Prep Batch: 59346		
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/04/23 13:45	08/04/23 23:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			08/04/23 13:45	08/04/23 23:23	1
1,4-Difluorobenzene (Surr)	88		70 - 130			08/04/23 13:45	08/04/23 23:23	1

Lab Sample ID: LCS 880-59346/1-A						Client Sample ID: Lab Control Sample		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 59296						Prep Batch: 59346		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	0.100	0.09760		mg/Kg		98	70 - 130	
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.09165		mg/Kg		92	70 - 130	
m,p-Xylenes	0.200	0.1760		mg/Kg		88	70 - 130	
o-Xylene	0.100	0.08932		mg/Kg		89	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	94		70 - 130					
1,4-Difluorobenzene (Surr)	100		70 - 130					

Lab Sample ID: LCSD 880-59346/2-A						Client Sample ID: Lab Control Sample Dup		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 59296						Prep Batch: 59346		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Benzene	0.100	0.09701		mg/Kg		97	70 - 130	1 35

Eurofins Midland

QC Sample Results

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

Job ID: 880-31400-1
SDG: 23-0102-05

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

Lab Sample ID: LCSD 880-59346/2-A
Matrix: Solid
Analysis Batch: 59296

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59346

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.1022			mg/Kg		102	70 - 130	2	35
Ethylbenzene	0.100	0.08999			mg/Kg		90	70 - 130	2	35
m,p-Xylenes	0.200	0.1724			mg/Kg		86	70 - 130	2	35
o-Xylene	0.100	0.08750			mg/Kg		88	70 - 130	2	35

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

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

Lab Sample ID: MB 880-59402/1-A
Matrix: Solid
Analysis Batch: 59596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 59402

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/05/23 18:11	08/08/23 19:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/05/23 18:11	08/08/23 19:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/05/23 18:11	08/08/23 19:25	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	113		70 - 130	08/05/23 18:11	08/08/23 19:25	1
o-Terphenyl (Surr)	105		70 - 130	08/05/23 18:11	08/08/23 19:25	1

Lab Sample ID: LCS 880-59402/2-A
Matrix: Solid
Analysis Batch: 59596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 59402

Analyte	Spike		LCS		Unit	D	%Rec	%Rec	
	Added	Result	Qualifier	Limit				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	1068			mg/Kg		107	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1003			mg/Kg		100	70 - 130	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	169	S1+	70 - 130
o-Terphenyl (Surr)	148	S1+	70 - 130

Lab Sample ID: LCSD 880-59402/3-A
Matrix: Solid
Analysis Batch: 59596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59402

Analyte	Spike		LCSD		Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Gasoline Range Organics (GRO)-C6-C10	1000	1052			mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	960.9			mg/Kg		96	70 - 130	4	20

Eurofins Midland

QC Sample Results

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

Job ID: 880-31400-1
SDG: 23-0102-05

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

Lab Sample ID: LCSD 880-59402/3-A
Matrix: Solid
Analysis Batch: 59596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 59402

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	172	S1+	70 - 130
o-Terphenyl (Surr)	158	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58763/1-A
Matrix: Solid
Analysis Batch: 59031

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<5.00	U	5.00	mg/Kg			08/01/23 14:08	1

Lab Sample ID: LCS 880-58763/2-A
Matrix: Solid
Analysis Batch: 59031

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.0		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-58763/3-A
Matrix: Solid
Analysis Batch: 59031

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	226.6		mg/Kg		91	90 - 110	5	20

QC Association Summary

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

Job ID: 880-31400-1
SDG: 23-0102-05

GC VOA

Analysis Batch: 59296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31400-1	S-11,0-1	Total/NA	Solid	8021B	59346
MB 880-59297/5-A	Method Blank	Total/NA	Solid	8021B	59297
MB 880-59346/5-A	Method Blank	Total/NA	Solid	8021B	59346
LCS 880-59346/1-A	Lab Control Sample	Total/NA	Solid	8021B	59346
LCSD 880-59346/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59346

Prep Batch: 59297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59297/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 59346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31400-1	S-11,0-1	Total/NA	Solid	5035	
MB 880-59346/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59346/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59346/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 59552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31400-1	S-11,0-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31400-1	S-11,0-1	Total/NA	Solid	8015NM Prep	
MB 880-59402/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59402/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59402/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31400-1	S-11,0-1	Total/NA	Solid	8015B NM	59402
MB 880-59402/1-A	Method Blank	Total/NA	Solid	8015B NM	59402
LCS 880-59402/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59402
LCSD 880-59402/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59402

Analysis Batch: 59746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31400-1	S-11,0-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 58763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31400-1	S-11,0-1	Soluble	Solid	DI Leach	
MB 880-58763/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58763/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58763/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

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

Job ID: 880-31400-1
SDG: 23-0102-05

HPLC/IC

Analysis Batch: 59031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31400-1	S-11,0-1	Soluble	Solid	300.0	58763
MB 880-58763/1-A	Method Blank	Soluble	Solid	300.0	58763
LCS 880-58763/2-A	Lab Control Sample	Soluble	Solid	300.0	58763
LCSD 880-58763/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58763

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Lab Chronicle

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

Job ID: 880-31400-1
SDG: 23-0102-05

Client Sample ID: S-11,0-1

Lab Sample ID: 880-31400-1

Date Collected: 07/25/23 13:00

Matrix: Solid

Date Received: 07/28/23 14:27

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	59346	08/04/23 13:45	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/05/23 04:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59552	08/07/23 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			59746	08/09/23 10:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59402	08/07/23 14:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59596	08/09/23 03:41	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	58763	07/28/23 17:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59031	08/01/23 15:33	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 State Com Battery

Job ID: 880-31400-1
SDG: 23-0102-05

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	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

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

Job ID: 880-31400-1
SDG: 23-0102-05

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 State Com Battery

Job ID: 880-31400-1
SDG: 23-0102-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31400-1	S-11,0-1	Solid	07/25/23 13:00	07/28/23 14:27

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

No. 3102
31400 CHAIN-OF-CUSTODY

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-31400-1

SDG Number: 23-0102-05

Login Number: 31400

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/21/2023 11:19:54 AM

JOB DESCRIPTION

Chamaelon St. Com
SDG NUMBER 23-0102-05

JOB NUMBER

880-31775-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/21/2023 11:19:54 AM

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

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Laboratory Job ID: 880-31775-1
SDG: 23-0102-05

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Definitions/Glossary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

Job ID: 880-31775-1

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-31775-1

Receipt

The sample was received on 8/8/2023 9:35 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 5.6°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S-10 0-1" (880-31775-1).

Sample ID changed per Robert Nelson (email)
S-10 0-1" (880-31775-1)

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-60389 and analytical batch 880-60609 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-60609/21) and (LCS 880-60389/2-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

Client Sample ID: S-10 0-1"

Lab Sample ID: 880-31775-1

Date Collected: 08/07/23 10:00

Matrix: Solid

Date Received: 08/08/23 09:35

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		08/17/23 09:14	08/17/23 17:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		08/17/23 09:14	08/17/23 17:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/17/23 09:14	08/17/23 17:38	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		08/17/23 09:14	08/17/23 17:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/17/23 09:14	08/17/23 17:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/17/23 09:14	08/17/23 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/17/23 09:14	08/17/23 17:38	1
1,4-Difluorobenzene (Surr)	80		70 - 130	08/17/23 09:14	08/17/23 17:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			08/18/23 08:44	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			08/21/23 11:32	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		08/16/23 14:53	08/19/23 10:39	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		08/16/23 14:53	08/19/23 10:39	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/16/23 14:53	08/19/23 10:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	109		70 - 130	08/16/23 14:53	08/19/23 10:39	1
o-Terphenyl (Surr)	89		70 - 130	08/16/23 14:53	08/19/23 10:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.3		4.98	mg/Kg			08/09/23 10:33	1

Eurofins Midland

Surrogate Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-31775-1	S-10 0-1"	91	80				
LCS 880-60430/1-A	Lab Control Sample	113	114				
LCSD 880-60430/2-A	Lab Control Sample Dup	115	104				
MB 880-60430/5-A	Method Blank	71	99				
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	OTPH1				
		(70-130)	(70-130)				
880-31775-1	S-10 0-1"	109	89				
880-31775-1 MS	S-10 0-1"	104	79				
880-31775-1 MSD	S-10 0-1"	105	78				
LCS 880-60389/2-A	Lab Control Sample	131 S1+	120				
LCSD 880-60389/3-A	Lab Control Sample Dup	130	113				
MB 880-60389/1-A	Method Blank	156 S1+	145 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60430/5-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 60428						Prep Batch: 60430			
	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		08/17/23 09:14	08/17/23 11:26		1
Toluene	<0.00200	U	0.00200	mg/Kg		08/17/23 09:14	08/17/23 11:26		1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/17/23 09:14	08/17/23 11:26		1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		08/17/23 09:14	08/17/23 11:26		1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/17/23 09:14	08/17/23 11:26		1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/17/23 09:14	08/17/23 11:26		1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	71		70 - 130			08/17/23 09:14	08/17/23 11:26		1
1,4-Difluorobenzene (Surr)	99		70 - 130			08/17/23 09:14	08/17/23 11:26		1

Lab Sample ID: LCS 880-60430/1-A					Client Sample ID: Lab Control Sample						
Matrix: Solid					Prep Type: Total/NA						
Analysis Batch: 60428					Prep Batch: 60430						
				Spike	LCS	LCS			%Rec		
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene				0.100	0.09480		mg/Kg		95	70 - 130	
Toluene				0.100	0.1113		mg/Kg		111	70 - 130	
Ethylbenzene				0.100	0.1133		mg/Kg		113	70 - 130	
m,p-Xylenes				0.200	0.2460		mg/Kg		123	70 - 130	
o-Xylene				0.100	0.1203		mg/Kg		120	70 - 130	
					LCS	LCS					
Surrogate				%Recovery	Qualifier	Limits					
4-Bromofluorobenzene (Surr)				113		70 - 130					
1,4-Difluorobenzene (Surr)				114		70 - 130					

Lab Sample ID: LCSD 880-60430/2-A						Client Sample ID: Lab Control Sample Dup			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 60428						Prep Batch: 60430			
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09120		mg/Kg		91	70 - 130	4	35
Toluene	0.100	0.1069		mg/Kg		107	70 - 130	4	35
Ethylbenzene	0.100	0.1079		mg/Kg		108	70 - 130	5	35
m,p-Xylenes	0.200	0.2357		mg/Kg		118	70 - 130	4	35
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130	4	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	115		70 - 130						
1,4-Difluorobenzene (Surr)	104		70 - 130						

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

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

Lab Sample ID: MB 880-60389/1-A

Matrix: Solid

Analysis Batch: 60609

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60389

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/16/23 14:52	08/19/23 07:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/16/23 14:52	08/19/23 07:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/16/23 14:52	08/19/23 07:38	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane (Surr)	156	S1+	70 - 130			08/16/23 14:52	08/19/23 07:38	1
o-Terphenyl (Surr)	145	S1+	70 - 130			08/16/23 14:52	08/19/23 07:38	1

Lab Sample ID: LCS 880-60389/2-A

Matrix: Solid

Analysis Batch: 60609

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 60389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1041		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1099		mg/Kg		110	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane (Surr)	131	S1+	70 - 130				
o-Terphenyl (Surr)	120		70 - 130				

Lab Sample ID: LCSD 880-60389/3-A

Matrix: Solid

Analysis Batch: 60609

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 60389

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	962.4		mg/Kg		96	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	953.3		mg/Kg		95	70 - 130	14	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane (Surr)	130		70 - 130						
o-Terphenyl (Surr)	113		70 - 130						

Lab Sample ID: 880-31775-1 MS

Matrix: Solid

Analysis Batch: 60609

Client Sample ID: S-10 0-1"

Prep Type: Total/NA

Prep Batch: 60389

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	998	1166		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	998	968.0		mg/Kg		97	70 - 130

Eurofins Midland

QC Sample Results

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

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

Lab Sample ID: 880-31775-1 MS
Matrix: Solid
Analysis Batch: 60609

Client Sample ID: S-10 0-1"
Prep Type: Total/NA
Prep Batch: 60389

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	79		70 - 130

Lab Sample ID: 880-31775-1 MSD
Matrix: Solid
Analysis Batch: 60609

Client Sample ID: S-10 0-1"
Prep Type: Total/NA
Prep Batch: 60389

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	<50.2	U	998	1174		mg/Kg		113	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.2	U	998	956.5		mg/Kg		96	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	105		70 - 130								
o-Terphenyl (Surr)	78		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59648/1-A
Matrix: Solid
Analysis Batch: 59677

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/08/23 21:56	1

Lab Sample ID: LCS 880-59648/2-A
Matrix: Solid
Analysis Batch: 59677

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.6		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-59648/3-A
Matrix: Solid
Analysis Batch: 59677

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.4		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

GC VOA

Analysis Batch: 60428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31775-1	S-10 0-1"	Total/NA	Solid	8021B	60430
MB 880-60430/5-A	Method Blank	Total/NA	Solid	8021B	60430
LCS 880-60430/1-A	Lab Control Sample	Total/NA	Solid	8021B	60430
LCSD 880-60430/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60430

Prep Batch: 60430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31775-1	S-10 0-1"	Total/NA	Solid	5035	
MB 880-60430/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60430/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60430/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 60536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31775-1	S-10 0-1"	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 60389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31775-1	S-10 0-1"	Total/NA	Solid	8015NM Prep	
MB 880-60389/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60389/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60389/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31775-1 MS	S-10 0-1"	Total/NA	Solid	8015NM Prep	
880-31775-1 MSD	S-10 0-1"	Total/NA	Solid	8015NM Prep	

Analysis Batch: 60609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31775-1	S-10 0-1"	Total/NA	Solid	8015B NM	60389
MB 880-60389/1-A	Method Blank	Total/NA	Solid	8015B NM	60389
LCS 880-60389/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60389
LCSD 880-60389/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60389
880-31775-1 MS	S-10 0-1"	Total/NA	Solid	8015B NM	60389
880-31775-1 MSD	S-10 0-1"	Total/NA	Solid	8015B NM	60389

Analysis Batch: 60714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31775-1	S-10 0-1"	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31775-1	S-10 0-1"	Soluble	Solid	DI Leach	
MB 880-59648/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59648/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59648/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 59677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31775-1	S-10 0-1"	Soluble	Solid	300.0	59648

Eurofins Midland

QC Association Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

HPLC/IC (Continued)

Analysis Batch: 59677 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59648/1-A	Method Blank	Soluble	Solid	300.0	59648
LCS 880-59648/2-A	Lab Control Sample	Soluble	Solid	300.0	59648
LCSD 880-59648/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59648

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Lab Chronicle

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

Client Sample ID: S-10 0-1"
Date Collected: 08/07/23 10:00
Date Received: 08/08/23 09:35

Lab Sample ID: 880-31775-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	60430	08/17/23 09:14	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60428	08/17/23 17:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60536	08/18/23 08:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			60714	08/21/23 11:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	60389	08/16/23 14:53	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60609	08/19/23 10:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59648	08/08/23 15:05	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	59677	08/09/23 10:33	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: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

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	T104704400-23-26	06-30-24

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

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Method Summary

Client: Larson & Associates, Inc.
Project/Site: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

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: Chamaelon St. Com

Job ID: 880-31775-1
SDG: 23-0102-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31775-1	S-10 0-1"	Solid	08/07/23 10:00	08/08/23 09:35

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Varson & Associates, Inc.
Environmental Consultants

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

Data Reported to **Max Larson / Robert Nelson**

DATE: **8-7-23** PO# **23-0102-05** LAB WORK ORDER# **Chamaleon St Com**
PROJECT LOCATION OR NAME **KL**
LA PROJECT # **KL** COLLECTOR

CHAIN-OF-CUSTODY

No. 3097

8/21/2023

TRRP report?
☐ Yes ☒ No

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

PRESERVATION

HCl
HNO₃
H₂SO₄ ☐ NaOH ☐
ICE
UNPRESERVED

ANALYSES

BTEX ☐ MTBE ☐
TPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☐
DIESEL - MOD 8015 ☐
OIL - MOD 8015 ☐
VOC 8260 ☐
SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
TCDF - PCBs ☐
TCDF - METALS (RCRA) ☐ TCDF VOC ☐
TOTAL METALS (RCRA) ☐ OTHER LIST ☐
LEAD - TOTAL ☐ DW 200.8 ☐ TCDF ☐
RO ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
PH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PESTICIDES ☐ ALKALINITY ☐
CHLORIDE ☐ ANIONS ☐

FIELD NOTES

Field Sample ID

Lab #

Date

Time

Matrix

of Containers

St-12,0-1

8-7-23 1000

S

1

X

X

X

X

X

X

X

X

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X

X

X

X

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X

X

X

TOTAL

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

LABORATORY

KLCL



880-31775 Chain of Custody

NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

RECEIVING TEMP **5.9/15.6** THERM# **142-73**
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☒ CARRIER BILL # ☐ HAND DELIVERED

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-31775-1

SDG Number: 23-0102-05

Login Number: 31775

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/8/2024 7:54:21 PM

JOB DESCRIPTION

Chamaeleon State Com
23-0102-05

JOB NUMBER

880-38450-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



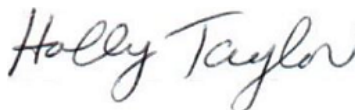
Eurofins Midland

Job Notes

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

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

Authorization



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

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

Laboratory Job ID: 880-38450-1
SDG: 23-0102-05

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Definitions/Glossary

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

Job ID: 880-38450-1
SDG: 23-0102-05

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project: Chamaeleon State Com

Job ID: 880-38450-1

Job ID: 880-38450-1

Eurofins Midland

Job Narrative
880-38450-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 1/25/2024 8:54 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 4.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-1, 2' (880-38450-1), C-2, 2' (880-38450-2), C-3, 2' (880-38450-3), C-4, 2' (880-38450-4), C-5, 2' (880-38450-5), C-6, 2' (880-38450-6), C-7, 2' (880-38450-7), C-8, 2' (880-38450-8), C-9, 2' (880-38450-9), C-10, 2' (880-38450-10), C-11, 2' (880-38450-11), C-12, 2' (880-38450-12), C-13, 2' (880-38450-13), C-14, 2' (880-38450-14), C-15, 2' (880-38450-15), C-16, 2' (880-38450-16), C-17, 2' (880-38450-17), C-18, 2' (880-38450-18), C-19, 2' (880-38450-19), C-20, 2' (880-38450-20), C-21, 2' (880-38450-21), C-22, 2' (880-38450-22), C-23, 2' (880-38450-23), C-24, 2' (880-38450-24), C-25, 2' (880-38450-25), C-26, 2' (880-38450-26), C-27, 2' (880-38450-27), C-28, 2' (880-38450-28), C-29, 2' (880-38450-29), C-30, 2' (880-38450-30), C-31, 2' (880-38450-31), C-32, 0-2' (880-38450-32), C-33, 0-2' (880-38450-33), C-34, 0-2' (880-38450-34), C-35, 0-2' (880-38450-35) and C-36, 0-2' (880-38450-36).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-72457 recovered above the upper control limit for Ethylbenzene and m,p-Xylenes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-72457/20).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-72187 and analytical batch 880-72448 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-72185 and analytical batch 880-72459 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-1, 2' (880-38450-1), C-2, 2' (880-38450-2), C-7, 2' (880-38450-7) and (LCS 880-72184/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-72529 recovered above the upper control limit for Ethylbenzene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-72529/20).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-72529 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 impacted: (CCV 880-72529/33).

Method 8021B: Surrogate recovery for the following samples were outside control limits: C-13, 2' (880-38450-13), C-14, 2' (880-38450-14), C-15, 2' (880-38450-15), C-16, 2' (880-38450-16), C-17, 2' (880-38450-17), C-18, 2' (880-38450-18), C-19, 2' (880-38450-19) and C-20, 2' (880-38450-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Eurofins Midland

Case Narrative

Client: Larson & Associates, Inc.
Project: Chamaeleon State Com

Job ID: 880-38450-1

Job ID: 880-38450-1 (Continued)

Eurofins Midland

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-71796 and 880-71797 and analytical batch 880-72539 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-1, 2' (880-38450-1), (880-38450-A-1-C MS) and (880-38450-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-6, 2' (880-38450-6), C-10, 2' (880-38450-10), C-13, 2' (880-38450-13) and C-14, 2' (880-38450-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-18, 2' (880-38450-18), C-19, 2' (880-38450-19), C-22, 2' (880-38450-22), (880-38450-A-21-C MS) and (880-38450-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-26, 2' (880-38450-26), C-27, 2' (880-38450-27), C-30, 2' (880-38450-30), C-35, 0-2' (880-38450-35), C-36, 0-2' (880-38450-36), (880-38105-A-15-A MB) and (880-38105-A-15-B MDLV). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-71796 and analytical batch 880-72539 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The method blank for preparation batch 880-71797 and analytical batch 880-72539 contained Gasoline Range Organics (GRO)-C6-C10 and 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.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-71787 and analytical batch 880-71878 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-71801 and analytical batch 880-71879 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-1, 2'

Lab Sample ID: 880-38450-1

Date Collected: 01/24/24 11:00

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 09:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 09:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 09:44	1
m,p-Xylenes	<0.00401	U F1	0.00401	mg/Kg		02/01/24 17:03	02/07/24 09:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 09:44	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/01/24 17:03	02/07/24 09:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	02/01/24 17:03	02/07/24 09:44	1
1,4-Difluorobenzene (Surr)	80		70 - 130	02/01/24 17:03	02/07/24 09:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/07/24 09:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			02/07/24 11:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		01/29/24 11:35	02/07/24 11:18	1
Diesel Range Organics (Over C10-C28)	<50.3	U F1	50.3	mg/Kg		01/29/24 11:35	02/07/24 11:18	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		01/29/24 11:35	02/07/24 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	150	S1+	70 - 130	01/29/24 11:35	02/07/24 11:18	1
o-Terphenyl (Surr)	137	S1+	70 - 130	01/29/24 11:35	02/07/24 11:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	385		24.9	mg/Kg			01/31/24 02:16	5

Client Sample ID: C-2, 2'

Lab Sample ID: 880-38450-2

Date Collected: 01/24/24 11:02

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 10:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 10:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 10:10	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/24 17:03	02/07/24 10:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 10:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/24 17:03	02/07/24 10:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130	02/01/24 17:03	02/07/24 10:10	1
1,4-Difluorobenzene (Surr)	73		70 - 130	02/01/24 17:03	02/07/24 10:10	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-2, 2'

Lab Sample ID: 880-38450-2

Date Collected: 01/24/24 11:02

Matrix: Solid

Date Received: 01/25/24 08:54

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			02/07/24 10:10	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			02/07/24 12:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		01/29/24 11:35	02/07/24 12:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/29/24 11:35	02/07/24 12:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/29/24 11:35	02/07/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			01/29/24 11:35	02/07/24 12:23	1
o-Terphenyl (Surr)	106		70 - 130			01/29/24 11:35	02/07/24 12:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126	F1	4.99	mg/Kg			02/02/24 15:52	1

Client Sample ID: C-3, 2'

Lab Sample ID: 880-38450-3

Date Collected: 01/24/24 11:04

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 10:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 10:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 10:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/24 17:03	02/07/24 10:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 10:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/24 17:03	02/07/24 10:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			02/01/24 17:03	02/07/24 10:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130			02/01/24 17:03	02/07/24 10:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/07/24 10:36	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			02/07/24 12:45	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		01/29/24 11:35	02/07/24 12:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/29/24 11:35	02/07/24 12:45	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-3, 2'

Lab Sample ID: 880-38450-3

Date Collected: 01/24/24 11:04

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/29/24 11:35	02/07/24 12:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			01/29/24 11:35	02/07/24 12:45	1
o-Terphenyl (Surr)	102		70 - 130			01/29/24 11:35	02/07/24 12:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		5.04	mg/Kg			02/02/24 16:06	1

Client Sample ID: C-4, 2'

Lab Sample ID: 880-38450-4

Date Collected: 01/24/24 11:06

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 11:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 11:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 11:02	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/24 17:03	02/07/24 11:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 11:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/24 17:03	02/07/24 11:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			02/01/24 17:03	02/07/24 11:02	1
1,4-Difluorobenzene (Surr)	122		70 - 130			02/01/24 17:03	02/07/24 11:02	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			02/07/24 11:02	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			02/07/24 13:07	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	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 13:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 13:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 13:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			01/29/24 11:35	02/07/24 13:07	1
o-Terphenyl (Surr)	114		70 - 130			01/29/24 11:35	02/07/24 13:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		5.01	mg/Kg			02/02/24 16:11	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-5, 2'

Lab Sample ID: 880-38450-5

Date Collected: 01/24/24 11:08

Matrix: Solid

Date Received: 01/25/24 08:54

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		02/01/24 17:03	02/07/24 11:29	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:03	02/07/24 11:29	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:03	02/07/24 11:29	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/01/24 17:03	02/07/24 11:29	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:03	02/07/24 11:29	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/01/24 17:03	02/07/24 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/01/24 17:03	02/07/24 11:29	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/01/24 17:03	02/07/24 11:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/07/24 11:29	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			02/07/24 13:29	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		01/29/24 11:35	02/07/24 13:29	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/29/24 11:35	02/07/24 13:29	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/29/24 11:35	02/07/24 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	124		70 - 130	01/29/24 11:35	02/07/24 13:29	1
o-Terphenyl (Surr)	114		70 - 130	01/29/24 11:35	02/07/24 13:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.05	mg/Kg			02/02/24 16:16	1

Client Sample ID: C-6, 2'

Lab Sample ID: 880-38450-6

Date Collected: 01/24/24 11:10

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 11:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 11:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 11:56	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/24 17:03	02/07/24 11:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 11:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/24 17:03	02/07/24 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/01/24 17:03	02/07/24 11:56	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/01/24 17:03	02/07/24 11:56	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-6, 2'

Lab Sample ID: 880-38450-6

Date Collected: 01/24/24 11:10

Matrix: Solid

Date Received: 01/25/24 08:54

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			02/07/24 11:56	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			02/07/24 13:51	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	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 13:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 13:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 13:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130			01/29/24 11:35	02/07/24 13:51	1
o-Terphenyl (Surr)	120		70 - 130			01/29/24 11:35	02/07/24 13:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		5.03	mg/Kg			02/02/24 16:21	1

Client Sample ID: C-7, 2'

Lab Sample ID: 880-38450-7

Date Collected: 01/24/24 11:12

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 12:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 12:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 12:22	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/24 17:03	02/07/24 12:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:03	02/07/24 12:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/24 17:03	02/07/24 12:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130			02/01/24 17:03	02/07/24 12:22	1
1,4-Difluorobenzene (Surr)	87		70 - 130			02/01/24 17:03	02/07/24 12:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/07/24 12:22	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			02/07/24 14:13	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		01/29/24 11:35	02/07/24 14:13	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		01/29/24 11:35	02/07/24 14:13	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-7, 2'

Lab Sample ID: 880-38450-7

Date Collected: 01/24/24 11:12

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		01/29/24 11:35	02/07/24 14:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			01/29/24 11:35	02/07/24 14:13	1
o-Terphenyl (Surr)	116		70 - 130			01/29/24 11:35	02/07/24 14:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		5.00	mg/Kg			02/02/24 16:36	1

Client Sample ID: C-8, 2'

Lab Sample ID: 880-38450-8

Date Collected: 01/24/24 11:14

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 12:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 12:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 12:49	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/24 17:03	02/07/24 12:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 12:49	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/24 17:03	02/07/24 12:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			02/01/24 17:03	02/07/24 12:49	1
1,4-Difluorobenzene (Surr)	91		70 - 130			02/01/24 17:03	02/07/24 12:49	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			02/07/24 12:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			02/07/24 14:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		01/29/24 11:35	02/07/24 14:34	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		01/29/24 11:35	02/07/24 14:34	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		01/29/24 11:35	02/07/24 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	130		70 - 130			01/29/24 11:35	02/07/24 14:34	1
o-Terphenyl (Surr)	118		70 - 130			01/29/24 11:35	02/07/24 14:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.4		4.98	mg/Kg			02/02/24 16:41	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-9, 2'

Lab Sample ID: 880-38450-9

Date Collected: 01/24/24 11:16

Matrix: Solid

Date Received: 01/25/24 08:54

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		02/01/24 17:03	02/07/24 13:15	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:03	02/07/24 13:15	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:03	02/07/24 13:15	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/01/24 17:03	02/07/24 13:15	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:03	02/07/24 13:15	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/01/24 17:03	02/07/24 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/01/24 17:03	02/07/24 13:15	1
1,4-Difluorobenzene (Surr)	77		70 - 130	02/01/24 17:03	02/07/24 13:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/07/24 13:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			02/07/24 14:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		01/29/24 11:35	02/07/24 14:57	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		01/29/24 11:35	02/07/24 14:57	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		01/29/24 11:35	02/07/24 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	119		70 - 130	01/29/24 11:35	02/07/24 14:57	1
o-Terphenyl (Surr)	107		70 - 130	01/29/24 11:35	02/07/24 14:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		4.98	mg/Kg			02/02/24 16:46	1

Client Sample ID: C-10, 2'

Lab Sample ID: 880-38450-10

Date Collected: 01/24/24 11:18

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 13:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 13:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 13:42	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/01/24 17:03	02/07/24 13:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 13:42	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/01/24 17:03	02/07/24 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/01/24 17:03	02/07/24 13:42	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/01/24 17:03	02/07/24 13:42	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-10, 2'

Lab Sample ID: 880-38450-10

Date Collected: 01/24/24 11:18

Matrix: Solid

Date Received: 01/25/24 08:54

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/07/24 13:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			02/07/24 15:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		01/29/24 11:35	02/07/24 15:19	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		01/29/24 11:35	02/07/24 15:19	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		01/29/24 11:35	02/07/24 15:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	138	S1+	70 - 130			01/29/24 11:35	02/07/24 15:19	1
o-Terphenyl (Surr)	124		70 - 130			01/29/24 11:35	02/07/24 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.95	mg/Kg			02/02/24 16:51	1

Client Sample ID: C-11, 2'

Lab Sample ID: 880-38450-11

Date Collected: 01/24/24 11:20

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 17:15	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 17:15	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 17:15	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/05/24 12:04	02/07/24 17:15	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 17:15	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/05/24 12:04	02/07/24 17:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			02/05/24 12:04	02/07/24 17:15	1
1,4-Difluorobenzene (Surr)	76		70 - 130			02/05/24 12:04	02/07/24 17:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/07/24 17:15	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			02/07/24 16:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		01/29/24 11:35	02/07/24 16:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/29/24 11:35	02/07/24 16:04	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-11, 2'
Date Collected: 01/24/24 11:20
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-11
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/29/24 11:35	02/07/24 16:04	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	125		70 - 130			01/29/24 11:35	02/07/24 16:04	1	
o-Terphenyl (Surr)	113		70 - 130			01/29/24 11:35	02/07/24 16:04	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	58.8		5.05	mg/Kg			02/02/24 16:56	1	

Client Sample ID: C-12, 2'
Date Collected: 01/24/24 11:22
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-12
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 17:36	1	
Toluene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 17:36	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 17:36	1	
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/05/24 12:04	02/07/24 17:36	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 17:36	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/05/24 12:04	02/07/24 17:36	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	86		70 - 130			02/05/24 12:04	02/07/24 17:36	1	
1,4-Difluorobenzene (Surr)	72		70 - 130			02/05/24 12:04	02/07/24 17:36	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			02/07/24 17:36	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	351		49.9	mg/Kg			02/07/24 16:26	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 16:26	1	
Diesel Range Organics (Over C10-C28)	351		49.9	mg/Kg		01/29/24 11:35	02/07/24 16:26	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 16:26	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	119		70 - 130			01/29/24 11:35	02/07/24 16:26	1	
o-Terphenyl (Surr)	106		70 - 130			01/29/24 11:35	02/07/24 16:26	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	112		5.03	mg/Kg			02/02/24 17:01	1	

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-13, 2'

Lab Sample ID: 880-38450-13

Date Collected: 01/24/24 11:24

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 17:56	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 17:56	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 17:56	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/05/24 12:04	02/07/24 17:56	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 17:56	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/05/24 12:04	02/07/24 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	02/05/24 12:04	02/07/24 17:56	1
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130	02/05/24 12:04	02/07/24 17:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/07/24 17:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5	mg/Kg			02/07/24 16:48	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	<49.5	U	49.5	mg/Kg		01/29/24 11:35	02/07/24 16:48	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5	mg/Kg		01/29/24 11:35	02/07/24 16:48	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg		01/29/24 11:35	02/07/24 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	139	S1+	70 - 130	01/29/24 11:35	02/07/24 16:48	1
o-Terphenyl (Surr)	122		70 - 130	01/29/24 11:35	02/07/24 16:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	283		5.01	mg/Kg			02/02/24 17:16	1

Client Sample ID: C-14, 2'

Lab Sample ID: 880-38450-14

Date Collected: 01/24/24 11:26

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 18:17	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 18:17	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 18:17	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/05/24 12:04	02/07/24 18:17	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 18:17	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/05/24 12:04	02/07/24 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/05/24 12:04	02/07/24 18:17	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130	02/05/24 12:04	02/07/24 18:17	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-14, 2'

Lab Sample ID: 880-38450-14

Date Collected: 01/24/24 11:26

Matrix: Solid

Date Received: 01/25/24 08:54

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			02/07/24 18:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/07/24 17:09	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		01/29/24 11:35	02/07/24 17:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 17:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/29/24 11:35	02/07/24 17:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	140	S1+	70 - 130			01/29/24 11:35	02/07/24 17:09	1
o-Terphenyl (Surr)	128		70 - 130			01/29/24 11:35	02/07/24 17:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	438		4.99	mg/Kg			02/02/24 17:20	1

Client Sample ID: C-15, 2'

Lab Sample ID: 880-38450-15

Date Collected: 01/24/24 11:28

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 18:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 18:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 18:37	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/05/24 12:04	02/07/24 18:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 18:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/05/24 12:04	02/07/24 18:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			02/05/24 12:04	02/07/24 18:37	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130			02/05/24 12:04	02/07/24 18:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/07/24 18:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			02/07/24 17:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		01/29/24 11:35	02/07/24 17:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		01/29/24 11:35	02/07/24 17:31	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-15, 2'
Date Collected: 01/24/24 11:28
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-15
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg	-	01/29/24 11:35	02/07/24 17:31	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	115		70 - 130			01/29/24 11:35	02/07/24 17:31	1	
o-Terphenyl (Surr)	104		70 - 130			01/29/24 11:35	02/07/24 17:31	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	24.9		4.99	mg/Kg	-		02/02/24 17:35	1	

Client Sample ID: C-16, 2'
Date Collected: 01/24/24 11:30
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-16
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	-	02/05/24 12:04	02/07/24 18:58	1	
Toluene	<0.00200	U	0.00200	mg/Kg	-	02/05/24 12:04	02/07/24 18:58	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	-	02/05/24 12:04	02/07/24 18:58	1	
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg	-	02/05/24 12:04	02/07/24 18:58	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg	-	02/05/24 12:04	02/07/24 18:58	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg	-	02/05/24 12:04	02/07/24 18:58	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	94		70 - 130			02/05/24 12:04	02/07/24 18:58	1	
1,4-Difluorobenzene (Surr)	52	S1-	70 - 130			02/05/24 12:04	02/07/24 18:58	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	-		02/07/24 18:58	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	85.8		50.3	mg/Kg	-		02/07/24 17:53	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg	-	01/29/24 11:35	02/07/24 17:53	1	
Diesel Range Organics (Over C10-C28)	85.8		50.3	mg/Kg	-	01/29/24 11:35	02/07/24 17:53	1	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg	-	01/29/24 11:35	02/07/24 17:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	125		70 - 130			01/29/24 11:35	02/07/24 17:53	1	
o-Terphenyl (Surr)	113		70 - 130			01/29/24 11:35	02/07/24 17:53	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	204		4.97	mg/Kg	-		02/02/24 17:40	1	

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-17, 2'

Lab Sample ID: 880-38450-17

Date Collected: 01/24/24 11:32

Matrix: Solid

Date Received: 01/25/24 08:54

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		02/05/24 12:04	02/07/24 19:18	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/05/24 12:04	02/07/24 19:18	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/05/24 12:04	02/07/24 19:18	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/05/24 12:04	02/07/24 19:18	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/05/24 12:04	02/07/24 19:18	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/05/24 12:04	02/07/24 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	02/05/24 12:04	02/07/24 19:18	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130	02/05/24 12:04	02/07/24 19:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/07/24 19:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			02/07/24 18:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		01/29/24 11:35	02/07/24 18:14	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		01/29/24 11:35	02/07/24 18:14	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		01/29/24 11:35	02/07/24 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130	01/29/24 11:35	02/07/24 18:14	1
o-Terphenyl (Surr)	115		70 - 130	01/29/24 11:35	02/07/24 18:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	434		5.03	mg/Kg			02/02/24 17:45	1

Client Sample ID: C-18, 2'

Lab Sample ID: 880-38450-18

Date Collected: 01/24/24 11:34

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 19:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 19:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 19:38	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/05/24 12:04	02/07/24 19:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/05/24 12:04	02/07/24 19:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/05/24 12:04	02/07/24 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/05/24 12:04	02/07/24 19:38	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130	02/05/24 12:04	02/07/24 19:38	1

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-18, 2'
Date Collected: 01/24/24 11:34
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-18
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			02/07/24 19:38	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			02/07/24 18:35	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		01/29/24 11:35	02/07/24 18:35	1	
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		01/29/24 11:35	02/07/24 18:35	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		01/29/24 11:35	02/07/24 18:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	144	S1+	70 - 130			01/29/24 11:35	02/07/24 18:35	1	
o-Terphenyl (Surr)	129		70 - 130			01/29/24 11:35	02/07/24 18:35	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	162		5.02	mg/Kg			02/02/24 17:50	1	

Client Sample ID: C-19, 2'
Date Collected: 01/24/24 11:36
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-19
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		02/05/24 12:04	02/07/24 19:59	1	
Toluene	<0.00198	U	0.00198	mg/Kg		02/05/24 12:04	02/07/24 19:59	1	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/05/24 12:04	02/07/24 19:59	1	
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		02/05/24 12:04	02/07/24 19:59	1	
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/05/24 12:04	02/07/24 19:59	1	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/05/24 12:04	02/07/24 19:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	112		70 - 130			02/05/24 12:04	02/07/24 19:59	1	
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130			02/05/24 12:04	02/07/24 19:59	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			02/07/24 19:59	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	171		50.4	mg/Kg			02/07/24 18:56	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		01/29/24 11:35	02/07/24 18:56	1	
Diesel Range Organics (Over C10-C28)	171		50.4	mg/Kg		01/29/24 11:35	02/07/24 18:56	1	

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-19, 2'

Lab Sample ID: 880-38450-19

Date Collected: 01/24/24 11:36

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		01/29/24 11:35	02/07/24 18:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130			01/29/24 11:35	02/07/24 18:56	1
o-Terphenyl (Surr)	121		70 - 130			01/29/24 11:35	02/07/24 18:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		4.98	mg/Kg			02/02/24 17:55	1

Client Sample ID: C-20, 2'

Lab Sample ID: 880-38450-20

Date Collected: 01/24/24 11:38

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 20:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 20:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 20:19	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/05/24 12:04	02/07/24 20:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 20:19	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/05/24 12:04	02/07/24 20:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130			02/05/24 12:04	02/07/24 20:19	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130			02/05/24 12:04	02/07/24 20:19	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			02/07/24 20:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			02/07/24 19:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		01/29/24 11:35	02/07/24 19:18	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		01/29/24 11:35	02/07/24 19:18	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		01/29/24 11:35	02/07/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	116		70 - 130			01/29/24 11:35	02/07/24 19:18	1
o-Terphenyl (Surr)	104		70 - 130			01/29/24 11:35	02/07/24 19:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		5.01	mg/Kg			02/02/24 18:00	1

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-21, 2'

Lab Sample ID: 880-38450-21

Date Collected: 01/24/24 11:40

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 02:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 02:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 02:03	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/01/24 17:11	02/07/24 02:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 02:03	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/01/24 17:11	02/07/24 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/01/24 17:11	02/07/24 02:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/01/24 17:11	02/07/24 02:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/07/24 02:03	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			02/07/24 21:05	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		01/29/24 11:37	02/07/24 21:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/29/24 11:37	02/07/24 21:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/29/24 11:37	02/07/24 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	123		70 - 130	01/29/24 11:37	02/07/24 21:05	1
o-Terphenyl (Surr)	111		70 - 130	01/29/24 11:37	02/07/24 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		5.00	mg/Kg			02/02/24 18:05	1

Client Sample ID: C-22, 2'

Lab Sample ID: 880-38450-22

Date Collected: 01/24/24 11:42

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 02:24	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 02:24	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 02:24	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/24 17:11	02/07/24 02:24	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 02:24	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/24 17:11	02/07/24 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/01/24 17:11	02/07/24 02:24	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/01/24 17:11	02/07/24 02:24	1

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-22, 2'

Lab Sample ID: 880-38450-22

Date Collected: 01/24/24 11:42

Matrix: Solid

Date Received: 01/25/24 08:54

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			02/07/24 02:24	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			02/07/24 22:10	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		01/29/24 11:37	02/07/24 22:10	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		01/29/24 11:37	02/07/24 22:10	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		01/29/24 11:37	02/07/24 22:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	136	S1+	70 - 130			01/29/24 11:37	02/07/24 22:10	1
o-Terphenyl (Surr)	121		70 - 130			01/29/24 11:37	02/07/24 22:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149	F1	5.02	mg/Kg			02/02/24 18:44	1

Client Sample ID: C-23, 2'

Lab Sample ID: 880-38450-23

Date Collected: 01/24/24 11:44

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 02:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 02:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 02:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/24 17:11	02/07/24 02:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 02:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/24 17:11	02/07/24 02:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			02/01/24 17:11	02/07/24 02:44	1
1,4-Difluorobenzene (Surr)	104		70 - 130			02/01/24 17:11	02/07/24 02:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/07/24 02:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			02/07/24 22:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5	mg/Kg		01/29/24 11:37	02/07/24 22:31	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		01/29/24 11:37	02/07/24 22:31	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-23, 2'
Date Collected: 01/24/24 11:44
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-23
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		01/29/24 11:37	02/07/24 22:31	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	124		70 - 130			01/29/24 11:37	02/07/24 22:31	1	
o-Terphenyl (Surr)	112		70 - 130			01/29/24 11:37	02/07/24 22:31	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	119		5.05	mg/Kg			02/02/24 18:59	1	

Client Sample ID: C-24, 2'
Date Collected: 01/24/24 11:46
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-24
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		02/01/24 17:11	02/07/24 08:28	1	
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 08:28	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 08:28	1	
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/24 17:11	02/07/24 08:28	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 08:28	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/24 17:11	02/07/24 08:28	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	105		70 - 130			02/01/24 17:11	02/07/24 08:28	1	
1,4-Difluorobenzene (Surr)	115		70 - 130			02/01/24 17:11	02/07/24 08:28	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			02/07/24 08:28	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.3	U	50.3	mg/Kg			02/07/24 22:52	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		01/29/24 11:37	02/07/24 22:52	1	
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		01/29/24 11:37	02/07/24 22:52	1	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		01/29/24 11:37	02/07/24 22:52	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	117		70 - 130			01/29/24 11:37	02/07/24 22:52	1	
o-Terphenyl (Surr)	106		70 - 130			01/29/24 11:37	02/07/24 22:52	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	91.6		5.05	mg/Kg			02/02/24 19:04	1	

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-25, 2'

Lab Sample ID: 880-38450-25

Date Collected: 01/24/24 11:48

Matrix: Solid

Date Received: 01/25/24 08:54

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		02/01/24 17:11	02/07/24 08:48	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:11	02/07/24 08:48	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:11	02/07/24 08:48	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/01/24 17:11	02/07/24 08:48	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:11	02/07/24 08:48	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/01/24 17:11	02/07/24 08:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/01/24 17:11	02/07/24 08:48	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/01/24 17:11	02/07/24 08:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/07/24 08:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			02/07/24 23:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		01/29/24 11:37	02/07/24 23:13	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		01/29/24 11:37	02/07/24 23:13	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		01/29/24 11:37	02/07/24 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	01/29/24 11:37	02/07/24 23:13	1
o-Terphenyl (Surr)	114		70 - 130	01/29/24 11:37	02/07/24 23:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227		5.03	mg/Kg			02/02/24 19:09	1

Client Sample ID: C-26, 2'

Lab Sample ID: 880-38450-26

Date Collected: 01/24/24 11:50

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 09:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 09:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 09:09	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/24 17:11	02/07/24 09:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 09:09	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/24 17:11	02/07/24 09:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/01/24 17:11	02/07/24 09:09	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/01/24 17:11	02/07/24 09:09	1

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-26, 2'

Lab Sample ID: 880-38450-26

Date Collected: 01/24/24 11:50

Matrix: Solid

Date Received: 01/25/24 08:54

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			02/07/24 09:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			02/07/24 23:34	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	<50.5	U	50.5	mg/Kg		01/29/24 11:37	02/07/24 23:34	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		01/29/24 11:37	02/07/24 23:34	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		01/29/24 11:37	02/07/24 23:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	138	S1+	70 - 130			01/29/24 11:37	02/07/24 23:34	1
o-Terphenyl (Surr)	126		70 - 130			01/29/24 11:37	02/07/24 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.7		4.99	mg/Kg			02/02/24 19:14	1

Client Sample ID: C-27, 2'

Lab Sample ID: 880-38450-27

Date Collected: 01/24/24 11:52

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 09:29	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 09:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 09:29	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/01/24 17:11	02/07/24 09:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/01/24 17:11	02/07/24 09:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/01/24 17:11	02/07/24 09:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			02/01/24 17:11	02/07/24 09:29	1
1,4-Difluorobenzene (Surr)	103		70 - 130			02/01/24 17:11	02/07/24 09:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/07/24 09:29	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			02/07/24 23:55	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		01/29/24 11:37	02/07/24 23:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/29/24 11:37	02/07/24 23:55	1

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-27, 2'
Date Collected: 01/24/24 11:52
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-27
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/29/24 11:37	02/07/24 23:55	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	145	S1+	70 - 130			01/29/24 11:37	02/07/24 23:55	1	
o-Terphenyl (Surr)	132	S1+	70 - 130			01/29/24 11:37	02/07/24 23:55	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	182		4.97	mg/Kg			02/02/24 19:28	1	

Client Sample ID: C-28, 2'
Date Collected: 01/24/24 11:54
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-28
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		02/01/24 17:11	02/07/24 09:50	1	
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 09:50	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 09:50	1	
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/01/24 17:11	02/07/24 09:50	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 09:50	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/01/24 17:11	02/07/24 09:50	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	111		70 - 130			02/01/24 17:11	02/07/24 09:50	1	
1,4-Difluorobenzene (Surr)	112		70 - 130			02/01/24 17:11	02/07/24 09:50	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			02/07/24 09:50	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	96.8		49.9	mg/Kg			02/08/24 00:16	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	<49.9	U	49.9	mg/Kg		01/29/24 11:37	02/08/24 00:16	1	
Diesel Range Organics (Over C10-C28)	96.8		49.9	mg/Kg		01/29/24 11:37	02/08/24 00:16	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/29/24 11:37	02/08/24 00:16	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	114		70 - 130			01/29/24 11:37	02/08/24 00:16	1	
o-Terphenyl (Surr)	103		70 - 130			01/29/24 11:37	02/08/24 00:16	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	340		4.97	mg/Kg			02/02/24 19:33	1	

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-29, 2'
Date Collected: 01/24/24 11:56
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-29
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		02/01/24 17:11	02/07/24 10:10	1	
Toluene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:11	02/07/24 10:10	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:11	02/07/24 10:10	1	
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/01/24 17:11	02/07/24 10:10	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/01/24 17:11	02/07/24 10:10	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/01/24 17:11	02/07/24 10:10	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			02/01/24 17:11	02/07/24 10:10	1	
1,4-Difluorobenzene (Surr)	95		70 - 130			02/01/24 17:11	02/07/24 10:10	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/07/24 10:10	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			02/08/24 00:37	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		01/29/24 11:37	02/08/24 00:37	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/29/24 11:37	02/08/24 00:37	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/29/24 11:37	02/08/24 00:37	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
1-Chlorooctane (Surr)	125		70 - 130			01/29/24 11:37	02/08/24 00:37	1	
o-Terphenyl (Surr)	114		70 - 130			01/29/24 11:37	02/08/24 00:37	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	105		5.00	mg/Kg			02/02/24 19:38	1	

Client Sample ID: C-30, 2'
Date Collected: 01/24/24 11:58
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-30
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		02/01/24 17:11	02/07/24 10:31	1	
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 10:31	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 10:31	1	
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/01/24 17:11	02/07/24 10:31	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 10:31	1	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/01/24 17:11	02/07/24 10:31	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			02/01/24 17:11	02/07/24 10:31	1	
1,4-Difluorobenzene (Surr)	103		70 - 130			02/01/24 17:11	02/07/24 10:31	1	

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-30, 2'
Date Collected: 01/24/24 11:58
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-30
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/07/24 10:31	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			02/08/24 00:58	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	<49.7	U	49.7	mg/Kg		01/29/24 11:37	02/08/24 00:58	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/29/24 11:37	02/08/24 00:58	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/29/24 11:37	02/08/24 00:58	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	131	S1+	70 - 130			01/29/24 11:37	02/08/24 00:58	1	
o-Terphenyl (Surr)	118		70 - 130			01/29/24 11:37	02/08/24 00:58	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	160		5.01	mg/Kg			02/02/24 19:43	1	

Client Sample ID: C-31, 2'
Date Collected: 01/24/24 12:00
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-31
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		02/06/24 09:37	02/06/24 19:57	1	
Toluene	<0.00201	U	0.00201	mg/Kg		02/06/24 09:37	02/06/24 19:57	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/06/24 09:37	02/06/24 19:57	1	
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/06/24 09:37	02/06/24 19:57	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/06/24 09:37	02/06/24 19:57	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/06/24 09:37	02/06/24 19:57	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	84		70 - 130			02/06/24 09:37	02/06/24 19:57	1	
1,4-Difluorobenzene (Surr)	79		70 - 130			02/06/24 09:37	02/06/24 19:57	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/06/24 19:57	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			02/08/24 01:42	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		01/29/24 11:37	02/08/24 01:42	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/29/24 11:37	02/08/24 01:42	1	

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-31, 2'
Date Collected: 01/24/24 12:00
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-31
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/29/24 11:37	02/08/24 01:42	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	126		70 - 130			01/29/24 11:37	02/08/24 01:42	1	
o-Terphenyl (Surr)	115		70 - 130			01/29/24 11:37	02/08/24 01:42	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	161		5.02	mg/Kg			02/02/24 19:48	1	

Client Sample ID: C-32, 0-2'
Date Collected: 01/24/24 12:02
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-32
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		02/06/24 09:37	02/06/24 20:17	1	
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 20:17	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 20:17	1	
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		02/06/24 09:37	02/06/24 20:17	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 20:17	1	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/06/24 09:37	02/06/24 20:17	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			02/06/24 09:37	02/06/24 20:17	1	
1,4-Difluorobenzene (Surr)	78		70 - 130			02/06/24 09:37	02/06/24 20:17	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/06/24 20:17	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.3	U	50.3	mg/Kg			02/08/24 02:03	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		01/29/24 11:37	02/08/24 02:03	1	
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		01/29/24 11:37	02/08/24 02:03	1	
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		01/29/24 11:37	02/08/24 02:03	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	126		70 - 130			01/29/24 11:37	02/08/24 02:03	1	
o-Terphenyl (Surr)	115		70 - 130			01/29/24 11:37	02/08/24 02:03	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	523	F1	5.03	mg/Kg			02/02/24 19:53	1	

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-33, 0-2'

Lab Sample ID: 880-38450-33

Date Collected: 01/24/24 12:04

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/06/24 09:37	02/06/24 20:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/06/24 09:37	02/06/24 20:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/06/24 09:37	02/06/24 20:38	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/06/24 09:37	02/06/24 20:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/06/24 09:37	02/06/24 20:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/06/24 09:37	02/06/24 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	02/06/24 09:37	02/06/24 20:38	1
1,4-Difluorobenzene (Surr)	79		70 - 130	02/06/24 09:37	02/06/24 20:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/06/24 20:38	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			02/08/24 02:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	mg/Kg		01/29/24 11:37	02/08/24 02:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		01/29/24 11:37	02/08/24 02:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		01/29/24 11:37	02/08/24 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	126		70 - 130	01/29/24 11:37	02/08/24 02:24	1
o-Terphenyl (Surr)	113		70 - 130	01/29/24 11:37	02/08/24 02:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.97	mg/Kg			02/02/24 20:08	1

Client Sample ID: C-34, 0-2'

Lab Sample ID: 880-38450-34

Date Collected: 01/24/24 12:06

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/06/24 09:37	02/06/24 20:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/06/24 09:37	02/06/24 20:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/06/24 09:37	02/06/24 20:58	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		02/06/24 09:37	02/06/24 20:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/06/24 09:37	02/06/24 20:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/06/24 09:37	02/06/24 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	02/06/24 09:37	02/06/24 20:58	1
1,4-Difluorobenzene (Surr)	78		70 - 130	02/06/24 09:37	02/06/24 20:58	1

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Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-34, 0-2'

Lab Sample ID: 880-38450-34

Date Collected: 01/24/24 12:06

Matrix: Solid

Date Received: 01/25/24 08:54

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			02/06/24 20:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			02/08/24 02:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		01/29/24 11:37	02/08/24 02:45	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		01/29/24 11:37	02/08/24 02:45	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		01/29/24 11:37	02/08/24 02:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130			01/29/24 11:37	02/08/24 02:45	1
o-Terphenyl (Surr)	110		70 - 130			01/29/24 11:37	02/08/24 02:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		4.95	mg/Kg			02/02/24 20:13	1

Client Sample ID: C-35, 0-2'

Lab Sample ID: 880-38450-35

Date Collected: 01/24/24 12:08

Matrix: Solid

Date Received: 01/25/24 08:54

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 21:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 21:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 21:19	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		02/06/24 09:37	02/06/24 21:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 21:19	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/06/24 09:37	02/06/24 21:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130			02/06/24 09:37	02/06/24 21:19	1
1,4-Difluorobenzene (Surr)	80		70 - 130			02/06/24 09:37	02/06/24 21:19	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			02/06/24 21:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5	mg/Kg			02/08/24 03:06	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	<50.5	U	50.5	mg/Kg		01/29/24 11:37	02/08/24 03:06	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5	mg/Kg		01/29/24 11:37	02/08/24 03:06	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-35, 0-2'
Date Collected: 01/24/24 12:08
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-35
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
OII Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		01/29/24 11:37	02/08/24 03:06	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	152	S1+	70 - 130			01/29/24 11:37	02/08/24 03:06	1	
o-Terphenyl (Surr)	136	S1+	70 - 130			01/29/24 11:37	02/08/24 03:06	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	285		4.98	mg/Kg			02/02/24 20:28	1	

Client Sample ID: C-36, 0-2'
Date Collected: 01/24/24 12:10
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-36
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		02/06/24 09:37	02/06/24 21:39	1	
Toluene	<0.00201	U	0.00201	mg/Kg		02/06/24 09:37	02/06/24 21:39	1	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/06/24 09:37	02/06/24 21:39	1	
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		02/06/24 09:37	02/06/24 21:39	1	
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/06/24 09:37	02/06/24 21:39	1	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/06/24 09:37	02/06/24 21:39	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		70 - 130			02/06/24 09:37	02/06/24 21:39	1	
1,4-Difluorobenzene (Surr)	79		70 - 130			02/06/24 09:37	02/06/24 21:39	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/06/24 21:39	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			02/08/24 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		01/29/24 11:37	02/08/24 03:27	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/29/24 11:37	02/08/24 03:27	1	
OII Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/29/24 11:37	02/08/24 03:27	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	137	S1+	70 - 130			01/29/24 11:37	02/08/24 03:27	1	
o-Terphenyl (Surr)	124		70 - 130			01/29/24 11:37	02/08/24 03:27	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	281		4.96	mg/Kg			02/02/24 20:33	1	

Surrogate Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-38450-1	C-1, 2'	132 S1+	80
880-38450-1 MS	C-1, 2'	124	84
880-38450-1 MSD	C-1, 2'	166 S1+	110
880-38450-2	C-2, 2'	156 S1+	73
880-38450-3	C-3, 2'	122	101
880-38450-4	C-4, 2'	125	122
880-38450-5	C-5, 2'	102	103
880-38450-6	C-6, 2'	113	92
880-38450-7	C-7, 2'	178 S1+	87
880-38450-8	C-8, 2'	107	91
880-38450-9	C-9, 2'	105	77
880-38450-10	C-10, 2'	106	92
880-38450-11	C-11, 2'	95	76
880-38450-12	C-12, 2'	86	72
880-38450-13	C-13, 2'	86	59 S1-
880-38450-14	C-14, 2'	91	65 S1-
880-38450-15	C-15, 2'	89	65 S1-
880-38450-16	C-16, 2'	94	52 S1-
880-38450-17	C-17, 2'	89	64 S1-
880-38450-18	C-18, 2'	96	65 S1-
880-38450-19	C-19, 2'	112	65 S1-
880-38450-20	C-20, 2'	81	67 S1-
880-38450-21	C-21, 2'	100	100
880-38450-21 MS	C-21, 2'	113	97
880-38450-21 MSD	C-21, 2'	110	95
880-38450-22	C-22, 2'	113	114
880-38450-23	C-23, 2'	113	104
880-38450-24	C-24, 2'	105	115
880-38450-25	C-25, 2'	109	112
880-38450-26	C-26, 2'	117	110
880-38450-27	C-27, 2'	113	103
880-38450-28	C-28, 2'	111	112
880-38450-29	C-29, 2'	111	95
880-38450-30	C-30, 2'	108	103
880-38450-31	C-31, 2'	84	79
880-38450-32	C-32, 0-2'	89	78
880-38450-33	C-33, 0-2'	88	79
880-38450-34	C-34, 0-2'	81	78
880-38450-35	C-35, 0-2'	83	80
880-38450-36	C-36, 0-2'	87	79
LCS 880-72184/1-A	Lab Control Sample	113	68 S1-
LCS 880-72187/1-A	Lab Control Sample	113	100
LCS 880-72368/1-A	Lab Control Sample	116	95
LCS 880-72451/1-A	Lab Control Sample	107	94
LCSD 880-72184/2-A	Lab Control Sample Dup	100	83
LCSD 880-72187/2-A	Lab Control Sample Dup	105	98
LCSD 880-72368/2-A	Lab Control Sample Dup	115	99
LCSD 880-72451/2-A	Lab Control Sample Dup	108	95
MB 880-72184/5-A	Method Blank	80	111

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Surrogate Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-72185/5-A	Method Blank	63 S1-	81
MB 880-72187/5-A	Method Blank	131 S1+	116
MB 880-72363/5-A	Method Blank	111	110
MB 880-72368/5-A	Method Blank	75	78
MB 880-72451/5-A	Method Blank	82	77
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)
880-38450-1	C-1, 2'	150 S1+	137 S1+
880-38450-1 MS	C-1, 2'	138 S1+	110
880-38450-1 MSD	C-1, 2'	132 S1+	105
880-38450-2	C-2, 2'	120	106
880-38450-3	C-3, 2'	112	102
880-38450-4	C-4, 2'	128	114
880-38450-5	C-5, 2'	124	114
880-38450-6	C-6, 2'	133 S1+	120
880-38450-7	C-7, 2'	128	116
880-38450-8	C-8, 2'	130	118
880-38450-9	C-9, 2'	119	107
880-38450-10	C-10, 2'	138 S1+	124
880-38450-11	C-11, 2'	125	113
880-38450-12	C-12, 2'	119	106
880-38450-13	C-13, 2'	139 S1+	122
880-38450-14	C-14, 2'	140 S1+	128
880-38450-15	C-15, 2'	115	104
880-38450-16	C-16, 2'	125	113
880-38450-17	C-17, 2'	127	115
880-38450-18	C-18, 2'	144 S1+	129
880-38450-19	C-19, 2'	134 S1+	121
880-38450-20	C-20, 2'	116	104
880-38450-21	C-21, 2'	123	111
880-38450-21 MS	C-21, 2'	134 S1+	106
880-38450-21 MSD	C-21, 2'	136 S1+	107
880-38450-22	C-22, 2'	136 S1+	121
880-38450-23	C-23, 2'	124	112
880-38450-24	C-24, 2'	117	106
880-38450-25	C-25, 2'	125	114
880-38450-26	C-26, 2'	138 S1+	126
880-38450-27	C-27, 2'	145 S1+	132 S1+
880-38450-28	C-28, 2'	114	103
880-38450-29	C-29, 2'	125	114
880-38450-30	C-30, 2'	131 S1+	118
880-38450-31	C-31, 2'	126	115

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Surrogate Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-38450-32	C-32, 0-2'	126	115
880-38450-33	C-33, 0-2'	126	113
880-38450-34	C-34, 0-2'	122	110
880-38450-35	C-35, 0-2'	152 S1+	136 S1+
880-38450-36	C-36, 0-2'	137 S1+	124
LCS 880-71796/2-A	Lab Control Sample	108	110
LCS 880-71797/2-A	Lab Control Sample	106	107
LCSD 880-71796/3-A	Lab Control Sample Dup	115	118
LCSD 880-71797/3-A	Lab Control Sample Dup	99	103
MB 880-71796/1-A	Method Blank	181 S1+	169 S1+
MB 880-71797/1-A	Method Blank	187 S1+	174 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72184/5-A

Matrix: Solid

Analysis Batch: 72459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72184

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 09:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 09:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 09:18	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/01/24 17:03	02/07/24 09:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:03	02/07/24 09:18	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/01/24 17:03	02/07/24 09:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	02/01/24 17:03	02/07/24 09:18	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/01/24 17:03	02/07/24 09:18	1

Lab Sample ID: LCS 880-72184/1-A

Matrix: Solid

Analysis Batch: 72459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 72184

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08781		mg/Kg		88	70 - 130
Toluene	0.100	0.08899		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08006		mg/Kg		80	70 - 130
m,p-Xylenes	0.200	0.2102		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1097		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130

Lab Sample ID: LCSD 880-72184/2-A

Matrix: Solid

Analysis Batch: 72459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 72184

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08092		mg/Kg		81	70 - 130	8	35
Toluene	0.100	0.08932		mg/Kg		89	70 - 130	0	35
Ethylbenzene	0.100	0.09202		mg/Kg		92	70 - 130	14	35
m,p-Xylenes	0.200	0.2104		mg/Kg		105	70 - 130	0	35
o-Xylene	0.100	0.09483		mg/Kg		95	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 880-38450-1 MS

Matrix: Solid

Analysis Batch: 72459

Client Sample ID: C-1, 2'

Prep Type: Total/NA

Prep Batch: 72184

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.07462		mg/Kg		75	70 - 130
Toluene	<0.00200	U	0.0996	0.08512		mg/Kg		84	70 - 130

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QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Lab Sample ID: 880-38450-1 MS

Matrix: Solid

Analysis Batch: 72459

Client Sample ID: C-1, 2'

Prep Type: Total/NA

Prep Batch: 72184

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.08234		mg/Kg		83	70 - 130
m,p-Xylenes	<0.00401	U F1	0.199	0.1872		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08993		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-38450-1 MSD

Matrix: Solid

Analysis Batch: 72459

Client Sample ID: C-1, 2'

Prep Type: Total/NA

Prep Batch: 72184

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.1013		mg/Kg		102	70 - 130	30	35
Toluene	<0.00200	U	0.0990	0.1158		mg/Kg		116	70 - 130	31	35
Ethylbenzene	<0.00200	U	0.0990	0.1055		mg/Kg		107	70 - 130	25	35
m,p-Xylenes	<0.00401	U F1	0.198	0.2670	F1	mg/Kg		135	70 - 130	35	35
o-Xylene	<0.00200	U	0.0990	0.1182		mg/Kg		119	70 - 130	27	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-72185/5-A

Matrix: Solid

Analysis Batch: 72459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72185

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:08	02/06/24 19:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:08	02/06/24 19:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:08	02/06/24 19:40	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/01/24 17:08	02/06/24 19:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:08	02/06/24 19:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/01/24 17:08	02/06/24 19:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	02/01/24 17:08	02/06/24 19:40	1
1,4-Difluorobenzene (Surr)	81		70 - 130	02/01/24 17:08	02/06/24 19:40	1

Lab Sample ID: MB 880-72187/5-A

Matrix: Solid

Analysis Batch: 72448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72187

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 01:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 01:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 01:35	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/01/24 17:11	02/07/24 01:35	1

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QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Lab Sample ID: MB 880-72187/5-A

Matrix: Solid

Analysis Batch: 72448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72187

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/01/24 17:11	02/07/24 01:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/01/24 17:11	02/07/24 01:35	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	02/01/24 17:11	02/07/24 01:35	1
1,4-Difluorobenzene (Surr)	116		70 - 130	02/01/24 17:11	02/07/24 01:35	1

Lab Sample ID: LCS 880-72187/1-A

Matrix: Solid

Analysis Batch: 72448

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 72187

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09339		mg/Kg		93	70 - 130
Toluene	0.100	0.09101		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.1011		mg/Kg		101	70 - 130
m,p-Xylenes	0.200	0.1794		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09943		mg/Kg		99	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-72187/2-A

Matrix: Solid

Analysis Batch: 72448

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 72187

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.09497		mg/Kg		95	70 - 130	2	35
Toluene	0.100	0.08892		mg/Kg		89	70 - 130	2	35
Ethylbenzene	0.100	0.1074		mg/Kg		107	70 - 130	6	35
m,p-Xylenes	0.200	0.1931		mg/Kg		97	70 - 130	7	35
o-Xylene	0.100	0.09417		mg/Kg		94	70 - 130	5	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-38450-21 MS

Matrix: Solid

Analysis Batch: 72448

Client Sample ID: C-21, 2'

Prep Type: Total/NA

Prep Batch: 72187

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.0996	0.08256		mg/Kg		83	70 - 130
Toluene	<0.00200	U	0.0996	0.08149		mg/Kg		82	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.09559		mg/Kg		96	70 - 130
m,p-Xylenes	<0.00401	U	0.199	0.1712		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08335		mg/Kg		84	70 - 130

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QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Lab Sample ID: 880-38450-21 MS

Matrix: Solid

Analysis Batch: 72448

Client Sample ID: C-21, 2'

Prep Type: Total/NA

Prep Batch: 72187

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-38450-21 MSD

Matrix: Solid

Analysis Batch: 72448

Client Sample ID: C-21, 2'

Prep Type: Total/NA

Prep Batch: 72187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.07098		mg/Kg		72	70 - 130	15	35
Toluene	<0.00200	U	0.0990	0.06940		mg/Kg		70	70 - 130	16	35
Ethylbenzene	<0.00200	U	0.0990	0.07433		mg/Kg		75	70 - 130	25	35
m,p-Xylenes	<0.00401	U	0.198	0.1421		mg/Kg		72	70 - 130	19	35
o-Xylene	<0.00200	U	0.0990	0.07969		mg/Kg		80	70 - 130	4	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-72363/5-A

Matrix: Solid

Analysis Batch: 72448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72363

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/05/24 11:39	02/06/24 12:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/05/24 11:39	02/06/24 12:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/05/24 11:39	02/06/24 12:54	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/05/24 11:39	02/06/24 12:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/05/24 11:39	02/06/24 12:54	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/05/24 11:39	02/06/24 12:54	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	111		70 - 130	02/05/24 11:39	02/06/24 12:54	1		
1,4-Difluorobenzene (Surr)	110		70 - 130	02/05/24 11:39	02/06/24 12:54	1		

Lab Sample ID: MB 880-72368/5-A

Matrix: Solid

Analysis Batch: 72529

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72368

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 11:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 11:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 11:36	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/05/24 12:04	02/07/24 11:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/05/24 12:04	02/07/24 11:36	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/05/24 12:04	02/07/24 11:36	1

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QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Lab Sample ID: MB 880-72368/5-A

Matrix: Solid

Analysis Batch: 72529

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72368

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	02/05/24 12:04	02/07/24 11:36	1
1,4-Difluorobenzene (Surr)	78		70 - 130	02/05/24 12:04	02/07/24 11:36	1

Lab Sample ID: LCS 880-72368/1-A

Matrix: Solid

Analysis Batch: 72529

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 72368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09909		mg/Kg		99	70 - 130
Toluene	0.100	0.1057		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1247		mg/Kg		125	70 - 130
m,p-Xylenes	0.200	0.2446		mg/Kg		122	70 - 130
o-Xylene	0.100	0.1209		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-72368/2-A

Matrix: Solid

Analysis Batch: 72529

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 72368

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09900		mg/Kg		99	70 - 130	0	35
Toluene	0.100	0.1056		mg/Kg		106	70 - 130	0	35
Ethylbenzene	0.100	0.1166		mg/Kg		117	70 - 130	7	35
m,p-Xylenes	0.200	0.2286		mg/Kg		114	70 - 130	7	35
o-Xylene	0.100	0.1124		mg/Kg		112	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-72451/5-A

Matrix: Solid

Analysis Batch: 72457

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72451

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 14:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 14:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 14:05	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		02/06/24 09:37	02/06/24 14:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/06/24 09:37	02/06/24 14:05	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/06/24 09:37	02/06/24 14:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	02/06/24 09:37	02/06/24 14:05	1

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QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Lab Sample ID: MB 880-72451/5-A
Matrix: Solid
Analysis Batch: 72457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72451

MB MB		Qualifier	Limits	Prepared		Analyzed		Dil Fac
Surrogate	%Recovery							
1,4-Difluorobenzene (Surr)	77		70 - 130	02/06/24 09:37		02/06/24 14:05		1

Lab Sample ID: LCS 880-72451/1-A
Matrix: Solid
Analysis Batch: 72457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72451

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	
Benzene	0.100	0.09822		mg/Kg		98	70 - 130	
Toluene	0.100	0.1025		mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.1118		mg/Kg		112	70 - 130	
m,p-Xylenes	0.200	0.2171		mg/Kg		109	70 - 130	
o-Xylene	0.100	0.1076		mg/Kg		108	70 - 130	

LCS LCS		Qualifier	Limits
Surrogate	%Recovery		
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-72451/2-A
Matrix: Solid
Analysis Batch: 72457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72451

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	
		Result	Qualifier				Limits		RPD	Limit
Benzene	0.100	0.1062		mg/Kg		106	70 - 130		8	35
Toluene	0.100	0.1060		mg/Kg		106	70 - 130		3	35
Ethylbenzene	0.100	0.1119		mg/Kg		112	70 - 130		0	35
m,p-Xylenes	0.200	0.2250		mg/Kg		113	70 - 130		4	35
o-Xylene	0.100	0.1093		mg/Kg		109	70 - 130		2	35

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

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

Lab Sample ID: MB 880-71796/1-A
Matrix: Solid
Analysis Batch: 72539

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71796

MB MB		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/29/24 11:35	02/07/24 08:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/29/24 11:35	02/07/24 08:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/29/24 11:35	02/07/24 08:36	1

MB MB		Qualifier	Limits	Prepared	Analyzed	Dil Fac
Surrogate	%Recovery					
1-Chlorooctane (Surr)	181	S1+	70 - 130	01/29/24 11:35	02/07/24 08:36	1
o-Terphenyl (Surr)	169	S1+	70 - 130	01/29/24 11:35	02/07/24 08:36	1

Eurofins Midland

QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Lab Sample ID: LCS 880-71796/2-A				Client Sample ID: Lab Control Sample						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 72539				Prep Batch: 71796						
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	1077		mg/Kg		108	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	989.6		mg/Kg		99	70 - 130	
		LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	108		70 - 130							
o-Terphenyl (Surr)	110		70 - 130							

Lab Sample ID: LCSD 880-71796/3-A				Client Sample ID: Lab Control Sample Dup						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 72539				Prep Batch: 71796						
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1136		mg/Kg		114	70 - 130	5 20
Diesel Range Organics (Over C10-C28)			1000	1087		mg/Kg		109	70 - 130	9 20
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	115		70 - 130							
o-Terphenyl (Surr)	118		70 - 130							

Lab Sample ID: 880-38450-1 MS				Client Sample ID: C-1, 2'						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 72539				Prep Batch: 71796						
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	1089		mg/Kg		104	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.3	U F1	1010	1376	F1	mg/Kg		134	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	138	S1+	70 - 130							
o-Terphenyl (Surr)	110		70 - 130							

Lab Sample ID: 880-38450-1 MSD				Client Sample ID: C-1, 2'						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 72539				Prep Batch: 71796						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1010	1046		mg/Kg		99	70 - 130	4 20
Diesel Range Organics (Over C10-C28)	<50.3	U F1	1010	1309		mg/Kg		127	70 - 130	5 20
		MSD	MSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane (Surr)	132	S1+	70 - 130							

QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Lab Sample ID: 880-38450-1 MSD

Matrix: Solid

Analysis Batch: 72539

Client Sample ID: C-1, 2'

Prep Type: Total/NA

Prep Batch: 71796

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	105		70 - 130

Lab Sample ID: MB 880-71797/1-A

Matrix: Solid

Analysis Batch: 72539

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 71797

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/29/24 11:37	02/07/24 20:00	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/29/24 11:37	02/07/24 20:00	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/29/24 11:37	02/07/24 20:00	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
1-Chlorooctane (Surr)	187	S1+	70 - 130			01/29/24 11:37	02/07/24 20:00	1	
<i>o</i> -Terphenyl (Surr)	174	S1+	70 - 130			01/29/24 11:37	02/07/24 20:00	1	

Lab Sample ID: LCS 880-71797/2-A

Matrix: Solid

Analysis Batch: 72539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 71797

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1090		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	971.1		mg/Kg		97	70 - 130		
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	106		70 - 130						
<i>o</i> -Terphenyl (Surr)	107		70 - 130						

Lab Sample ID: LCSD 880-71797/3-A

Matrix: Solid

Analysis Batch: 72539

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 71797

Analyte	Spike	LCSD	LCSD					%Rec		RPD	
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	1051		mg/Kg		105	70 - 130	4	20		
Diesel Range Organics (Over C10-C28)	1000	934.7		mg/Kg		93	70 - 130	4	20		
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane (Surr)	99		70 - 130								
<i>o</i> -Terphenyl (Surr)	103		70 - 130								

Eurofins Midland

QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

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

Lab Sample ID: 880-38450-21 MS

Matrix: Solid

Analysis Batch: 72539

Client Sample ID: C-21, 2'

Prep Type: Total/NA

Prep Batch: 71797

	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	992.7		mg/Kg		95	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1273		mg/Kg		124	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane (Surr)	134	S1+	70 - 130							
o-Terphenyl (Surr)	106		70 - 130							

Lab Sample ID: 880-38450-21 MSD

Matrix: Solid

Analysis Batch: 72539

Client Sample ID: C-21. 2'

Prep Type: Total/NA

Prep Batch: 71797

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1026		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1305		mg/Kg		128	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	136	S1+	70 - 130								
o-Terphenyl (Surr)	107		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71694/1-A

Matrix: Solid

Analysis Batch: 71749

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<5.00	U	5.00	mg/Kg			01/30/24 22:51	1

Lab Sample ID: LCS 880-71694/2-A

Matrix: Solid

Analysis Batch: 71749

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	266.1		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-71694/3-A

Matrix: Solid

Analysis Batch: 71749

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride			250	264.1		mg/Kg		106	90 - 110	1	20

Eurofins Midland

QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-71787/1-A

Matrix: Solid

Analysis Batch: 71878

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/02/24 15:37	1

Lab Sample ID: LCS 880-71787/2-A

Matrix: Solid

Analysis Batch: 71878

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.3		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-71787/3-A

Matrix: Solid

Analysis Batch: 71878

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	247.3		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-38450-2 MS

Matrix: Solid

Analysis Batch: 71878

Client Sample ID: C-2, 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	126	F1	250	468.6	F1	mg/Kg		137	90 - 110

Lab Sample ID: 880-38450-2 MSD

Matrix: Solid

Analysis Batch: 71878

Client Sample ID: C-2, 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	126	F1	250	471.6	F1	mg/Kg		138	90 - 110	1	20

Lab Sample ID: 880-38450-12 MS

Matrix: Solid

Analysis Batch: 71878

Client Sample ID: C-12, 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	112		252	378.5		mg/Kg		106	90 - 110

Lab Sample ID: 880-38450-12 MSD

Matrix: Solid

Analysis Batch: 71878

Client Sample ID: C-12, 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	112		252	379.2		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-71801/1-A

Matrix: Solid

Analysis Batch: 71879

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/02/24 18:29	1

Eurofins Midland

QC Sample Results

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

Job ID: 880-38450-1
SDG: 23-0102-05

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-71801/2-A				Client Sample ID: Lab Control Sample							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 71879											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.0		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-71801/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 71879											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	251.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-38450-22 MS				Client Sample ID: C-22, 2'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 71879											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	149	F1	251	502.8	F1	mg/Kg		141	90 - 110		

Lab Sample ID: 880-38450-22 MSD				Client Sample ID: C-22, 2'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 71879											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	149	F1	251	505.8	F1	mg/Kg		142	90 - 110	1	20

Lab Sample ID: 880-38450-32 MS				Client Sample ID: C-32, 0-2'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 71879											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	523	F1	252	828.8	F1	mg/Kg		122	90 - 110		

Lab Sample ID: 880-38450-32 MSD				Client Sample ID: C-32, 0-2'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 71879											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	523	F1	252	836.3	F1	mg/Kg		125	90 - 110	1	20

QC Association Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

GC VOA

Prep Batch: 72184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-1	C-1, 2'	Total/NA	Solid	5035	
880-38450-2	C-2, 2'	Total/NA	Solid	5035	
880-38450-3	C-3, 2'	Total/NA	Solid	5035	
880-38450-4	C-4, 2'	Total/NA	Solid	5035	
880-38450-5	C-5, 2'	Total/NA	Solid	5035	
880-38450-6	C-6, 2'	Total/NA	Solid	5035	
880-38450-7	C-7, 2'	Total/NA	Solid	5035	
880-38450-8	C-8, 2'	Total/NA	Solid	5035	
880-38450-9	C-9, 2'	Total/NA	Solid	5035	
880-38450-10	C-10, 2'	Total/NA	Solid	5035	
MB 880-72184/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72184/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72184/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-38450-1 MS	C-1, 2'	Total/NA	Solid	5035	
880-38450-1 MSD	C-1, 2'	Total/NA	Solid	5035	

Prep Batch: 72185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-72185/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 72187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-21	C-21, 2'	Total/NA	Solid	5035	
880-38450-22	C-22, 2'	Total/NA	Solid	5035	
880-38450-23	C-23, 2'	Total/NA	Solid	5035	
880-38450-24	C-24, 2'	Total/NA	Solid	5035	
880-38450-25	C-25, 2'	Total/NA	Solid	5035	
880-38450-26	C-26, 2'	Total/NA	Solid	5035	
880-38450-27	C-27, 2'	Total/NA	Solid	5035	
880-38450-28	C-28, 2'	Total/NA	Solid	5035	
880-38450-29	C-29, 2'	Total/NA	Solid	5035	
880-38450-30	C-30, 2'	Total/NA	Solid	5035	
MB 880-72187/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72187/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72187/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-38450-21 MS	C-21, 2'	Total/NA	Solid	5035	
880-38450-21 MSD	C-21, 2'	Total/NA	Solid	5035	

Prep Batch: 72363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-72363/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 72368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-11	C-11, 2'	Total/NA	Solid	5035	
880-38450-12	C-12, 2'	Total/NA	Solid	5035	
880-38450-13	C-13, 2'	Total/NA	Solid	5035	
880-38450-14	C-14, 2'	Total/NA	Solid	5035	
880-38450-15	C-15, 2'	Total/NA	Solid	5035	
880-38450-16	C-16, 2'	Total/NA	Solid	5035	
880-38450-17	C-17, 2'	Total/NA	Solid	5035	

QC Association Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

GC VOA (Continued)

Prep Batch: 72368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-18	C-18, 2'	Total/NA	Solid	5035	
880-38450-19	C-19, 2'	Total/NA	Solid	5035	
880-38450-20	C-20, 2'	Total/NA	Solid	5035	
MB 880-72368/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72368/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72368/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 72448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-21	C-21, 2'	Total/NA	Solid	8021B	72187
880-38450-22	C-22, 2'	Total/NA	Solid	8021B	72187
880-38450-23	C-23, 2'	Total/NA	Solid	8021B	72187
880-38450-24	C-24, 2'	Total/NA	Solid	8021B	72187
880-38450-25	C-25, 2'	Total/NA	Solid	8021B	72187
880-38450-26	C-26, 2'	Total/NA	Solid	8021B	72187
880-38450-27	C-27, 2'	Total/NA	Solid	8021B	72187
880-38450-28	C-28, 2'	Total/NA	Solid	8021B	72187
880-38450-29	C-29, 2'	Total/NA	Solid	8021B	72187
880-38450-30	C-30, 2'	Total/NA	Solid	8021B	72187
MB 880-72187/5-A	Method Blank	Total/NA	Solid	8021B	72187
MB 880-72363/5-A	Method Blank	Total/NA	Solid	8021B	72363
LCS 880-72187/1-A	Lab Control Sample	Total/NA	Solid	8021B	72187
LCSD 880-72187/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72187
880-38450-21 MS	C-21, 2'	Total/NA	Solid	8021B	72187
880-38450-21 MSD	C-21, 2'	Total/NA	Solid	8021B	72187

Prep Batch: 72451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-31	C-31, 2'	Total/NA	Solid	5035	
880-38450-32	C-32, 0-2'	Total/NA	Solid	5035	
880-38450-33	C-33, 0-2'	Total/NA	Solid	5035	
880-38450-34	C-34, 0-2'	Total/NA	Solid	5035	
880-38450-35	C-35, 0-2'	Total/NA	Solid	5035	
880-38450-36	C-36, 0-2'	Total/NA	Solid	5035	
MB 880-72451/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72451/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72451/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 72457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-31	C-31, 2'	Total/NA	Solid	8021B	72451
880-38450-32	C-32, 0-2'	Total/NA	Solid	8021B	72451
880-38450-33	C-33, 0-2'	Total/NA	Solid	8021B	72451
880-38450-34	C-34, 0-2'	Total/NA	Solid	8021B	72451
880-38450-35	C-35, 0-2'	Total/NA	Solid	8021B	72451
880-38450-36	C-36, 0-2'	Total/NA	Solid	8021B	72451
MB 880-72451/5-A	Method Blank	Total/NA	Solid	8021B	72451
LCS 880-72451/1-A	Lab Control Sample	Total/NA	Solid	8021B	72451
LCSD 880-72451/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72451

QC Association Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

GC VOA

Analysis Batch: 72459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-1	C-1, 2'	Total/NA	Solid	8021B	72184
880-38450-2	C-2, 2'	Total/NA	Solid	8021B	72184
880-38450-3	C-3, 2'	Total/NA	Solid	8021B	72184
880-38450-4	C-4, 2'	Total/NA	Solid	8021B	72184
880-38450-5	C-5, 2'	Total/NA	Solid	8021B	72184
880-38450-6	C-6, 2'	Total/NA	Solid	8021B	72184
880-38450-7	C-7, 2'	Total/NA	Solid	8021B	72184
880-38450-8	C-8, 2'	Total/NA	Solid	8021B	72184
880-38450-9	C-9, 2'	Total/NA	Solid	8021B	72184
880-38450-10	C-10, 2'	Total/NA	Solid	8021B	72184
MB 880-72184/5-A	Method Blank	Total/NA	Solid	8021B	72184
MB 880-72185/5-A	Method Blank	Total/NA	Solid	8021B	72185
LCS 880-72184/1-A	Lab Control Sample	Total/NA	Solid	8021B	72184
LCSD 880-72184/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72184
880-38450-1 MS	C-1, 2'	Total/NA	Solid	8021B	72184
880-38450-1 MSD	C-1, 2'	Total/NA	Solid	8021B	72184

Analysis Batch: 72529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-11	C-11, 2'	Total/NA	Solid	8021B	72368
880-38450-12	C-12, 2'	Total/NA	Solid	8021B	72368
880-38450-13	C-13, 2'	Total/NA	Solid	8021B	72368
880-38450-14	C-14, 2'	Total/NA	Solid	8021B	72368
880-38450-15	C-15, 2'	Total/NA	Solid	8021B	72368
880-38450-16	C-16, 2'	Total/NA	Solid	8021B	72368
880-38450-17	C-17, 2'	Total/NA	Solid	8021B	72368
880-38450-18	C-18, 2'	Total/NA	Solid	8021B	72368
880-38450-19	C-19, 2'	Total/NA	Solid	8021B	72368
880-38450-20	C-20, 2'	Total/NA	Solid	8021B	72368
MB 880-72368/5-A	Method Blank	Total/NA	Solid	8021B	72368
LCS 880-72368/1-A	Lab Control Sample	Total/NA	Solid	8021B	72368
LCSD 880-72368/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72368

Analysis Batch: 72547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-1	C-1, 2'	Total/NA	Solid	Total BTEX	
880-38450-2	C-2, 2'	Total/NA	Solid	Total BTEX	
880-38450-3	C-3, 2'	Total/NA	Solid	Total BTEX	
880-38450-4	C-4, 2'	Total/NA	Solid	Total BTEX	
880-38450-5	C-5, 2'	Total/NA	Solid	Total BTEX	
880-38450-6	C-6, 2'	Total/NA	Solid	Total BTEX	
880-38450-7	C-7, 2'	Total/NA	Solid	Total BTEX	
880-38450-8	C-8, 2'	Total/NA	Solid	Total BTEX	
880-38450-9	C-9, 2'	Total/NA	Solid	Total BTEX	
880-38450-10	C-10, 2'	Total/NA	Solid	Total BTEX	
880-38450-11	C-11, 2'	Total/NA	Solid	Total BTEX	
880-38450-12	C-12, 2'	Total/NA	Solid	Total BTEX	
880-38450-13	C-13, 2'	Total/NA	Solid	Total BTEX	
880-38450-14	C-14, 2'	Total/NA	Solid	Total BTEX	
880-38450-15	C-15, 2'	Total/NA	Solid	Total BTEX	
880-38450-16	C-16, 2'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

GC VOA (Continued)

Analysis Batch: 72547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-17	C-17, 2'	Total/NA	Solid	Total BTEX	
880-38450-18	C-18, 2'	Total/NA	Solid	Total BTEX	
880-38450-19	C-19, 2'	Total/NA	Solid	Total BTEX	
880-38450-20	C-20, 2'	Total/NA	Solid	Total BTEX	
880-38450-21	C-21, 2'	Total/NA	Solid	Total BTEX	
880-38450-22	C-22, 2'	Total/NA	Solid	Total BTEX	
880-38450-23	C-23, 2'	Total/NA	Solid	Total BTEX	
880-38450-24	C-24, 2'	Total/NA	Solid	Total BTEX	
880-38450-25	C-25, 2'	Total/NA	Solid	Total BTEX	
880-38450-26	C-26, 2'	Total/NA	Solid	Total BTEX	
880-38450-27	C-27, 2'	Total/NA	Solid	Total BTEX	
880-38450-28	C-28, 2'	Total/NA	Solid	Total BTEX	
880-38450-29	C-29, 2'	Total/NA	Solid	Total BTEX	
880-38450-30	C-30, 2'	Total/NA	Solid	Total BTEX	
880-38450-31	C-31, 2'	Total/NA	Solid	Total BTEX	
880-38450-32	C-32, 0-2'	Total/NA	Solid	Total BTEX	
880-38450-33	C-33, 0-2'	Total/NA	Solid	Total BTEX	
880-38450-34	C-34, 0-2'	Total/NA	Solid	Total BTEX	
880-38450-35	C-35, 0-2'	Total/NA	Solid	Total BTEX	
880-38450-36	C-36, 0-2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 71796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-1	C-1, 2'	Total/NA	Solid	8015NM Prep	
880-38450-2	C-2, 2'	Total/NA	Solid	8015NM Prep	
880-38450-3	C-3, 2'	Total/NA	Solid	8015NM Prep	
880-38450-4	C-4, 2'	Total/NA	Solid	8015NM Prep	
880-38450-5	C-5, 2'	Total/NA	Solid	8015NM Prep	
880-38450-6	C-6, 2'	Total/NA	Solid	8015NM Prep	
880-38450-7	C-7, 2'	Total/NA	Solid	8015NM Prep	
880-38450-8	C-8, 2'	Total/NA	Solid	8015NM Prep	
880-38450-9	C-9, 2'	Total/NA	Solid	8015NM Prep	
880-38450-10	C-10, 2'	Total/NA	Solid	8015NM Prep	
880-38450-11	C-11, 2'	Total/NA	Solid	8015NM Prep	
880-38450-12	C-12, 2'	Total/NA	Solid	8015NM Prep	
880-38450-13	C-13, 2'	Total/NA	Solid	8015NM Prep	
880-38450-14	C-14, 2'	Total/NA	Solid	8015NM Prep	
880-38450-15	C-15, 2'	Total/NA	Solid	8015NM Prep	
880-38450-16	C-16, 2'	Total/NA	Solid	8015NM Prep	
880-38450-17	C-17, 2'	Total/NA	Solid	8015NM Prep	
880-38450-18	C-18, 2'	Total/NA	Solid	8015NM Prep	
880-38450-19	C-19, 2'	Total/NA	Solid	8015NM Prep	
880-38450-20	C-20, 2'	Total/NA	Solid	8015NM Prep	
MB 880-71796/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71796/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71796/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-38450-1 MS	C-1, 2'	Total/NA	Solid	8015NM Prep	
880-38450-1 MSD	C-1, 2'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

GC Semi VOA

Prep Batch: 71797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-21	C-21, 2'	Total/NA	Solid	8015NM Prep	
880-38450-22	C-22, 2'	Total/NA	Solid	8015NM Prep	
880-38450-23	C-23, 2'	Total/NA	Solid	8015NM Prep	
880-38450-24	C-24, 2'	Total/NA	Solid	8015NM Prep	
880-38450-25	C-25, 2'	Total/NA	Solid	8015NM Prep	
880-38450-26	C-26, 2'	Total/NA	Solid	8015NM Prep	
880-38450-27	C-27, 2'	Total/NA	Solid	8015NM Prep	
880-38450-28	C-28, 2'	Total/NA	Solid	8015NM Prep	
880-38450-29	C-29, 2'	Total/NA	Solid	8015NM Prep	
880-38450-30	C-30, 2'	Total/NA	Solid	8015NM Prep	
880-38450-31	C-31, 2'	Total/NA	Solid	8015NM Prep	
880-38450-32	C-32, 0-2'	Total/NA	Solid	8015NM Prep	
880-38450-33	C-33, 0-2'	Total/NA	Solid	8015NM Prep	
880-38450-34	C-34, 0-2'	Total/NA	Solid	8015NM Prep	
880-38450-35	C-35, 0-2'	Total/NA	Solid	8015NM Prep	
880-38450-36	C-36, 0-2'	Total/NA	Solid	8015NM Prep	
MB 880-71797/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-71797/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-71797/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-38450-21 MS	C-21, 2'	Total/NA	Solid	8015NM Prep	
880-38450-21 MSD	C-21, 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-1	C-1, 2'	Total/NA	Solid	8015B NM	71796
880-38450-2	C-2, 2'	Total/NA	Solid	8015B NM	71796
880-38450-3	C-3, 2'	Total/NA	Solid	8015B NM	71796
880-38450-4	C-4, 2'	Total/NA	Solid	8015B NM	71796
880-38450-5	C-5, 2'	Total/NA	Solid	8015B NM	71796
880-38450-6	C-6, 2'	Total/NA	Solid	8015B NM	71796
880-38450-7	C-7, 2'	Total/NA	Solid	8015B NM	71796
880-38450-8	C-8, 2'	Total/NA	Solid	8015B NM	71796
880-38450-9	C-9, 2'	Total/NA	Solid	8015B NM	71796
880-38450-10	C-10, 2'	Total/NA	Solid	8015B NM	71796
880-38450-11	C-11, 2'	Total/NA	Solid	8015B NM	71796
880-38450-12	C-12, 2'	Total/NA	Solid	8015B NM	71796
880-38450-13	C-13, 2'	Total/NA	Solid	8015B NM	71796
880-38450-14	C-14, 2'	Total/NA	Solid	8015B NM	71796
880-38450-15	C-15, 2'	Total/NA	Solid	8015B NM	71796
880-38450-16	C-16, 2'	Total/NA	Solid	8015B NM	71796
880-38450-17	C-17, 2'	Total/NA	Solid	8015B NM	71796
880-38450-18	C-18, 2'	Total/NA	Solid	8015B NM	71796
880-38450-19	C-19, 2'	Total/NA	Solid	8015B NM	71796
880-38450-20	C-20, 2'	Total/NA	Solid	8015B NM	71796
880-38450-21	C-21, 2'	Total/NA	Solid	8015B NM	71797
880-38450-22	C-22, 2'	Total/NA	Solid	8015B NM	71797
880-38450-23	C-23, 2'	Total/NA	Solid	8015B NM	71797
880-38450-24	C-24, 2'	Total/NA	Solid	8015B NM	71797
880-38450-25	C-25, 2'	Total/NA	Solid	8015B NM	71797
880-38450-26	C-26, 2'	Total/NA	Solid	8015B NM	71797
880-38450-27	C-27, 2'	Total/NA	Solid	8015B NM	71797

Eurofins Midland

QC Association Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

GC Semi VOA (Continued)

Analysis Batch: 72539 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-28	C-28, 2'	Total/NA	Solid	8015B NM	71797
880-38450-29	C-29, 2'	Total/NA	Solid	8015B NM	71797
880-38450-30	C-30, 2'	Total/NA	Solid	8015B NM	71797
880-38450-31	C-31, 2'	Total/NA	Solid	8015B NM	71797
880-38450-32	C-32, 0-2'	Total/NA	Solid	8015B NM	71797
880-38450-33	C-33, 0-2'	Total/NA	Solid	8015B NM	71797
880-38450-34	C-34, 0-2'	Total/NA	Solid	8015B NM	71797
880-38450-35	C-35, 0-2'	Total/NA	Solid	8015B NM	71797
880-38450-36	C-36, 0-2'	Total/NA	Solid	8015B NM	71797
MB 880-71796/1-A	Method Blank	Total/NA	Solid	8015B NM	71796
MB 880-71797/1-A	Method Blank	Total/NA	Solid	8015B NM	71797
LCS 880-71796/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71796
LCS 880-71797/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	71797
LCSD 880-71796/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71796
LCSD 880-71797/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	71797
880-38450-1 MS	C-1, 2'	Total/NA	Solid	8015B NM	71796
880-38450-1 MSD	C-1, 2'	Total/NA	Solid	8015B NM	71796
880-38450-21 MS	C-21, 2'	Total/NA	Solid	8015B NM	71797
880-38450-21 MSD	C-21, 2'	Total/NA	Solid	8015B NM	71797

Analysis Batch: 72658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-1	C-1, 2'	Total/NA	Solid	8015 NM	
880-38450-2	C-2, 2'	Total/NA	Solid	8015 NM	
880-38450-3	C-3, 2'	Total/NA	Solid	8015 NM	
880-38450-4	C-4, 2'	Total/NA	Solid	8015 NM	
880-38450-5	C-5, 2'	Total/NA	Solid	8015 NM	
880-38450-6	C-6, 2'	Total/NA	Solid	8015 NM	
880-38450-7	C-7, 2'	Total/NA	Solid	8015 NM	
880-38450-8	C-8, 2'	Total/NA	Solid	8015 NM	
880-38450-9	C-9, 2'	Total/NA	Solid	8015 NM	
880-38450-10	C-10, 2'	Total/NA	Solid	8015 NM	
880-38450-11	C-11, 2'	Total/NA	Solid	8015 NM	
880-38450-12	C-12, 2'	Total/NA	Solid	8015 NM	
880-38450-13	C-13, 2'	Total/NA	Solid	8015 NM	
880-38450-14	C-14, 2'	Total/NA	Solid	8015 NM	
880-38450-15	C-15, 2'	Total/NA	Solid	8015 NM	
880-38450-16	C-16, 2'	Total/NA	Solid	8015 NM	
880-38450-17	C-17, 2'	Total/NA	Solid	8015 NM	
880-38450-18	C-18, 2'	Total/NA	Solid	8015 NM	
880-38450-19	C-19, 2'	Total/NA	Solid	8015 NM	
880-38450-20	C-20, 2'	Total/NA	Solid	8015 NM	
880-38450-21	C-21, 2'	Total/NA	Solid	8015 NM	
880-38450-22	C-22, 2'	Total/NA	Solid	8015 NM	
880-38450-23	C-23, 2'	Total/NA	Solid	8015 NM	
880-38450-24	C-24, 2'	Total/NA	Solid	8015 NM	
880-38450-25	C-25, 2'	Total/NA	Solid	8015 NM	
880-38450-26	C-26, 2'	Total/NA	Solid	8015 NM	
880-38450-27	C-27, 2'	Total/NA	Solid	8015 NM	
880-38450-28	C-28, 2'	Total/NA	Solid	8015 NM	
880-38450-29	C-29, 2'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

GC Semi VOA (Continued)

Analysis Batch: 72658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-30	C-30, 2'	Total/NA	Solid	8015 NM	
880-38450-31	C-31, 2'	Total/NA	Solid	8015 NM	
880-38450-32	C-32, 0-2'	Total/NA	Solid	8015 NM	
880-38450-33	C-33, 0-2'	Total/NA	Solid	8015 NM	
880-38450-34	C-34, 0-2'	Total/NA	Solid	8015 NM	
880-38450-35	C-35, 0-2'	Total/NA	Solid	8015 NM	
880-38450-36	C-36, 0-2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 71694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-1	C-1, 2'	Soluble	Solid	DI Leach	
MB 880-71694/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71694/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71694/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 71749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-1	C-1, 2'	Soluble	Solid	300.0	71694
MB 880-71694/1-A	Method Blank	Soluble	Solid	300.0	71694
LCS 880-71694/2-A	Lab Control Sample	Soluble	Solid	300.0	71694
LCSD 880-71694/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71694

Leach Batch: 71787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-2	C-2, 2'	Soluble	Solid	DI Leach	
880-38450-3	C-3, 2'	Soluble	Solid	DI Leach	
880-38450-4	C-4, 2'	Soluble	Solid	DI Leach	
880-38450-5	C-5, 2'	Soluble	Solid	DI Leach	
880-38450-6	C-6, 2'	Soluble	Solid	DI Leach	
880-38450-7	C-7, 2'	Soluble	Solid	DI Leach	
880-38450-8	C-8, 2'	Soluble	Solid	DI Leach	
880-38450-9	C-9, 2'	Soluble	Solid	DI Leach	
880-38450-10	C-10, 2'	Soluble	Solid	DI Leach	
880-38450-11	C-11, 2'	Soluble	Solid	DI Leach	
880-38450-12	C-12, 2'	Soluble	Solid	DI Leach	
880-38450-13	C-13, 2'	Soluble	Solid	DI Leach	
880-38450-14	C-14, 2'	Soluble	Solid	DI Leach	
880-38450-15	C-15, 2'	Soluble	Solid	DI Leach	
880-38450-16	C-16, 2'	Soluble	Solid	DI Leach	
880-38450-17	C-17, 2'	Soluble	Solid	DI Leach	
880-38450-18	C-18, 2'	Soluble	Solid	DI Leach	
880-38450-19	C-19, 2'	Soluble	Solid	DI Leach	
880-38450-20	C-20, 2'	Soluble	Solid	DI Leach	
880-38450-21	C-21, 2'	Soluble	Solid	DI Leach	
MB 880-71787/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71787/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71787/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38450-2 MS	C-2, 2'	Soluble	Solid	DI Leach	
880-38450-2 MSD	C-2, 2'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

HPLC/IC (Continued)

Leach Batch: 71787 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-12 MS	C-12, 2'	Soluble	Solid	DI Leach	
880-38450-12 MSD	C-12, 2'	Soluble	Solid	DI Leach	

Leach Batch: 71801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-22	C-22, 2'	Soluble	Solid	DI Leach	
880-38450-23	C-23, 2'	Soluble	Solid	DI Leach	
880-38450-24	C-24, 2'	Soluble	Solid	DI Leach	
880-38450-25	C-25, 2'	Soluble	Solid	DI Leach	
880-38450-26	C-26, 2'	Soluble	Solid	DI Leach	
880-38450-27	C-27, 2'	Soluble	Solid	DI Leach	
880-38450-28	C-28, 2'	Soluble	Solid	DI Leach	
880-38450-29	C-29, 2'	Soluble	Solid	DI Leach	
880-38450-30	C-30, 2'	Soluble	Solid	DI Leach	
880-38450-31	C-31, 2'	Soluble	Solid	DI Leach	
880-38450-32	C-32, 0-2'	Soluble	Solid	DI Leach	
880-38450-33	C-33, 0-2'	Soluble	Solid	DI Leach	
880-38450-34	C-34, 0-2'	Soluble	Solid	DI Leach	
880-38450-35	C-35, 0-2'	Soluble	Solid	DI Leach	
880-38450-36	C-36, 0-2'	Soluble	Solid	DI Leach	
MB 880-71801/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71801/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71801/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38450-22 MS	C-22, 2'	Soluble	Solid	DI Leach	
880-38450-22 MSD	C-22, 2'	Soluble	Solid	DI Leach	
880-38450-32 MS	C-32, 0-2'	Soluble	Solid	DI Leach	
880-38450-32 MSD	C-32, 0-2'	Soluble	Solid	DI Leach	

Analysis Batch: 71878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-2	C-2, 2'	Soluble	Solid	300.0	71787
880-38450-3	C-3, 2'	Soluble	Solid	300.0	71787
880-38450-4	C-4, 2'	Soluble	Solid	300.0	71787
880-38450-5	C-5, 2'	Soluble	Solid	300.0	71787
880-38450-6	C-6, 2'	Soluble	Solid	300.0	71787
880-38450-7	C-7, 2'	Soluble	Solid	300.0	71787
880-38450-8	C-8, 2'	Soluble	Solid	300.0	71787
880-38450-9	C-9, 2'	Soluble	Solid	300.0	71787
880-38450-10	C-10, 2'	Soluble	Solid	300.0	71787
880-38450-11	C-11, 2'	Soluble	Solid	300.0	71787
880-38450-12	C-12, 2'	Soluble	Solid	300.0	71787
880-38450-13	C-13, 2'	Soluble	Solid	300.0	71787
880-38450-14	C-14, 2'	Soluble	Solid	300.0	71787
880-38450-15	C-15, 2'	Soluble	Solid	300.0	71787
880-38450-16	C-16, 2'	Soluble	Solid	300.0	71787
880-38450-17	C-17, 2'	Soluble	Solid	300.0	71787
880-38450-18	C-18, 2'	Soluble	Solid	300.0	71787
880-38450-19	C-19, 2'	Soluble	Solid	300.0	71787
880-38450-20	C-20, 2'	Soluble	Solid	300.0	71787
880-38450-21	C-21, 2'	Soluble	Solid	300.0	71787
MB 880-71787/1-A	Method Blank	Soluble	Solid	300.0	71787

Eurofins Midland

QC Association Summary

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

Job ID: 880-38450-1
SDG: 23-0102-05

HPLC/IC (Continued)

Analysis Batch: 71878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-71787/2-A	Lab Control Sample	Soluble	Solid	300.0	71787
LCSD 880-71787/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71787
880-38450-2 MS	C-2, 2'	Soluble	Solid	300.0	71787
880-38450-2 MSD	C-2, 2'	Soluble	Solid	300.0	71787
880-38450-12 MS	C-12, 2'	Soluble	Solid	300.0	71787
880-38450-12 MSD	C-12, 2'	Soluble	Solid	300.0	71787

Analysis Batch: 71879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38450-22	C-22, 2'	Soluble	Solid	300.0	71801
880-38450-23	C-23, 2'	Soluble	Solid	300.0	71801
880-38450-24	C-24, 2'	Soluble	Solid	300.0	71801
880-38450-25	C-25, 2'	Soluble	Solid	300.0	71801
880-38450-26	C-26, 2'	Soluble	Solid	300.0	71801
880-38450-27	C-27, 2'	Soluble	Solid	300.0	71801
880-38450-28	C-28, 2'	Soluble	Solid	300.0	71801
880-38450-29	C-29, 2'	Soluble	Solid	300.0	71801
880-38450-30	C-30, 2'	Soluble	Solid	300.0	71801
880-38450-31	C-31, 2'	Soluble	Solid	300.0	71801
880-38450-32	C-32, 0-2'	Soluble	Solid	300.0	71801
880-38450-33	C-33, 0-2'	Soluble	Solid	300.0	71801
880-38450-34	C-34, 0-2'	Soluble	Solid	300.0	71801
880-38450-35	C-35, 0-2'	Soluble	Solid	300.0	71801
880-38450-36	C-36, 0-2'	Soluble	Solid	300.0	71801
MB 880-71801/1-A	Method Blank	Soluble	Solid	300.0	71801
LCS 880-71801/2-A	Lab Control Sample	Soluble	Solid	300.0	71801
LCSD 880-71801/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71801
880-38450-22 MS	C-22, 2'	Soluble	Solid	300.0	71801
880-38450-22 MSD	C-22, 2'	Soluble	Solid	300.0	71801
880-38450-32 MS	C-32, 0-2'	Soluble	Solid	300.0	71801
880-38450-32 MSD	C-32, 0-2'	Soluble	Solid	300.0	71801

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-1, 2'
Date Collected: 01/24/24 11:00
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-1
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			4.99 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 09:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 09:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 11:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71694	01/26/24 12:04	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	71749	01/31/24 02:16	CH	EET MID

Client Sample ID: C-2, 2'
Date Collected: 01/24/24 11:02
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-2
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			5.02 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 10:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 10:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 12:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 12:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 15:52	CH	EET MID

Client Sample ID: C-3, 2'
Date Collected: 01/24/24 11:04
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 10:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 10:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 12:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 12:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 16:06	CH	EET MID

Client Sample ID: C-4, 2'
Date Collected: 01/24/24 11:06
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 11:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 11:02	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-4, 2'
Date Collected: 01/24/24 11:06
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			72658	02/07/24 13:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 13:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 16:11	CH	EET MID

Client Sample ID: C-5, 2'
Date Collected: 01/24/24 11:08
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 11:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 11:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 13:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 13:29	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 16:16	CH	EET MID

Client Sample ID: C-6, 2'
Date Collected: 01/24/24 11:10
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 11:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 11:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 13:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 13:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 16:21	CH	EET MID

Client Sample ID: C-7, 2'
Date Collected: 01/24/24 11:12
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 12:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 14:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 14:13	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-7, 2'
Date Collected: 01/24/24 11:12
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 16:36	CH	EET MID

Client Sample ID: C-8, 2'
Date Collected: 01/24/24 11:14
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-8
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			5.01 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 12:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 14:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 14:34	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 16:41	CH	EET MID

Client Sample ID: C-9, 2'
Date Collected: 01/24/24 11:16
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-9
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	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 13:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 14:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 14:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 16:46	CH	EET MID

Client Sample ID: C-10, 2'
Date Collected: 01/24/24 11:18
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-10
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			4.99 g	5 mL	72184	02/01/24 17:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72459	02/07/24 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 13:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 15:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 15:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 16:51	CH	EET MID

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-11, 2'
Date Collected: 01/24/24 11:20
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-11
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	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 17:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 16:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 16:04	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 16:56	CH	EET MID

Client Sample ID: C-12, 2'
Date Collected: 01/24/24 11:22
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-12
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	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 17:36	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 17:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 16:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 16:26	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 17:01	CH	EET MID

Client Sample ID: C-13, 2'
Date Collected: 01/24/24 11:24
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 17:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 17:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 16:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 16:48	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 17:16	CH	EET MID

Client Sample ID: C-14, 2'
Date Collected: 01/24/24 11:26
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 18:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 18:17	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-14, 2'
Date Collected: 01/24/24 11:26
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			72658	02/07/24 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 17:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 17:20	CH	EET MID

Client Sample ID: C-15, 2'
Date Collected: 01/24/24 11:28
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 18:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 18:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 17:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 17:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 17:35	CH	EET MID

Client Sample ID: C-16, 2'
Date Collected: 01/24/24 11:30
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 18:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 18:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 17:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 17:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 17:40	CH	EET MID

Client Sample ID: C-17, 2'
Date Collected: 01/24/24 11:32
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 19:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 19:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 18:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 18:14	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-17, 2'

Lab Sample ID: 880-38450-17

Date Collected: 01/24/24 11:32

Matrix: Solid

Date Received: 01/25/24 08:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 17:45	CH	EET MID

Client Sample ID: C-18, 2'

Lab Sample ID: 880-38450-18

Date Collected: 01/24/24 11:34

Matrix: Solid

Date Received: 01/25/24 08:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 19:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 19:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 18:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 18:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 17:50	CH	EET MID

Client Sample ID: C-19, 2'

Lab Sample ID: 880-38450-19

Date Collected: 01/24/24 11:36

Matrix: Solid

Date Received: 01/25/24 08:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 19:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 19:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 18:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 18:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 17:55	CH	EET MID

Client Sample ID: C-20, 2'

Lab Sample ID: 880-38450-20

Date Collected: 01/24/24 11:38

Matrix: Solid

Date Received: 01/25/24 08:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72368	02/05/24 12:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72529	02/07/24 20:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 19:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	71796	01/29/24 11:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 19:18	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 18:00	CH	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-21, 2'
Date Collected: 01/24/24 11:40
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 02:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 02:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 21:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 21:05	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	71787	01/29/24 11:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71878	02/02/24 18:05	CH	EET MID

Client Sample ID: C-22, 2'
Date Collected: 01/24/24 11:42
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 02:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 02:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 22:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 22:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 18:44	CH	EET MID

Client Sample ID: C-23, 2'
Date Collected: 01/24/24 11:44
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 02:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 02:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 22:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 22:31	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 18:59	CH	EET MID

Client Sample ID: C-24, 2'
Date Collected: 01/24/24 11:46
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-24
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	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 08:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 08:28	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-24, 2'
Date Collected: 01/24/24 11:46
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			72658	02/07/24 22:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 22:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 19:04	CH	EET MID

Client Sample ID: C-25, 2'
Date Collected: 01/24/24 11:48
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-25
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	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 08:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 08:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 23:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 23:13	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 19:09	CH	EET MID

Client Sample ID: C-26, 2'
Date Collected: 01/24/24 11:50
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 09:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 09:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 23:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 19:14	CH	EET MID

Client Sample ID: C-27, 2'
Date Collected: 01/24/24 11:52
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-27
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	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 09:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 09:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/07/24 23:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/07/24 23:55	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-27, 2'
Date Collected: 01/24/24 11:52
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-27
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	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 19:28	CH	EET MID

Client Sample ID: C-28, 2'
Date Collected: 01/24/24 11:54
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-28
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	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 09:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 09:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/08/24 00:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/08/24 00:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 19:33	CH	EET MID

Client Sample ID: C-29, 2'
Date Collected: 01/24/24 11:56
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-29
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	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 10:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 10:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/08/24 00:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/08/24 00:37	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 19:38	CH	EET MID

Client Sample ID: C-30, 2'
Date Collected: 01/24/24 11:58
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72187	02/01/24 17:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72448	02/07/24 10:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/07/24 10:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/08/24 00:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/08/24 00:58	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 19:43	CH	EET MID

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-31, 2'**Lab Sample ID: 880-38450-31****Date Collected: 01/24/24 12:00****Matrix: Solid****Date Received: 01/25/24 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	72451	02/06/24 09:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72457	02/06/24 19:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/06/24 19:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/08/24 01:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/08/24 01:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 19:48	CH	EET MID

Client Sample ID: C-32, 0-2'**Lab Sample ID: 880-38450-32****Date Collected: 01/24/24 12:02****Matrix: Solid****Date Received: 01/25/24 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72451	02/06/24 09:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72457	02/06/24 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/06/24 20:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/08/24 02:03	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/08/24 02:03	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 19:53	CH	EET MID

Client Sample ID: C-33, 0-2'**Lab Sample ID: 880-38450-33****Date Collected: 01/24/24 12:04****Matrix: Solid****Date Received: 01/25/24 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72451	02/06/24 09:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72457	02/06/24 20:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/06/24 20:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/08/24 02:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/08/24 02:24	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 20:08	CH	EET MID

Client Sample ID: C-34, 0-2'**Lab Sample ID: 880-38450-34****Date Collected: 01/24/24 12:06****Matrix: Solid****Date Received: 01/25/24 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72451	02/06/24 09:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72457	02/06/24 20:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/06/24 20:58	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-38450-1
SDG: 23-0102-05

Client Sample ID: C-34, 0-2'
Date Collected: 01/24/24 12:06
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			72658	02/08/24 02:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/08/24 02:45	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 20:13	CH	EET MID

Client Sample ID: C-35, 0-2'
Date Collected: 01/24/24 12:08
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-35
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	72451	02/06/24 09:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72457	02/06/24 21:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/06/24 21:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/08/24 03:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/08/24 03:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 20:28	CH	EET MID

Client Sample ID: C-36, 0-2'
Date Collected: 01/24/24 12:10
Date Received: 01/25/24 08:54

Lab Sample ID: 880-38450-36
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	72451	02/06/24 09:37	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72457	02/06/24 21:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72547	02/06/24 21:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			72658	02/08/24 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	71797	01/29/24 11:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72539	02/08/24 03:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	71801	01/29/24 11:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	71879	02/02/24 20:33	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 State Com

Job ID: 880-38450-1
SDG: 23-0102-05

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	T104704400-23-26	06-30-24
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 State Com

Job ID: 880-38450-1
SDG: 23-0102-05

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 State Com

Job ID: 880-38450-1
SDG: 23-0102-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-38450-1	C-1, 2'	Solid	01/24/24 11:00	01/25/24 08:54
880-38450-2	C-2, 2'	Solid	01/24/24 11:02	01/25/24 08:54
880-38450-3	C-3, 2'	Solid	01/24/24 11:04	01/25/24 08:54
880-38450-4	C-4, 2'	Solid	01/24/24 11:06	01/25/24 08:54
880-38450-5	C-5, 2'	Solid	01/24/24 11:08	01/25/24 08:54
880-38450-6	C-6, 2'	Solid	01/24/24 11:10	01/25/24 08:54
880-38450-7	C-7, 2'	Solid	01/24/24 11:12	01/25/24 08:54
880-38450-8	C-8, 2'	Solid	01/24/24 11:14	01/25/24 08:54
880-38450-9	C-9, 2'	Solid	01/24/24 11:16	01/25/24 08:54
880-38450-10	C-10, 2'	Solid	01/24/24 11:18	01/25/24 08:54
880-38450-11	C-11, 2'	Solid	01/24/24 11:20	01/25/24 08:54
880-38450-12	C-12, 2'	Solid	01/24/24 11:22	01/25/24 08:54
880-38450-13	C-13, 2'	Solid	01/24/24 11:24	01/25/24 08:54
880-38450-14	C-14, 2'	Solid	01/24/24 11:26	01/25/24 08:54
880-38450-15	C-15, 2'	Solid	01/24/24 11:28	01/25/24 08:54
880-38450-16	C-16, 2'	Solid	01/24/24 11:30	01/25/24 08:54
880-38450-17	C-17, 2'	Solid	01/24/24 11:32	01/25/24 08:54
880-38450-18	C-18, 2'	Solid	01/24/24 11:34	01/25/24 08:54
880-38450-19	C-19, 2'	Solid	01/24/24 11:36	01/25/24 08:54
880-38450-20	C-20, 2'	Solid	01/24/24 11:38	01/25/24 08:54
880-38450-21	C-21, 2'	Solid	01/24/24 11:40	01/25/24 08:54
880-38450-22	C-22, 2'	Solid	01/24/24 11:42	01/25/24 08:54
880-38450-23	C-23, 2'	Solid	01/24/24 11:44	01/25/24 08:54
880-38450-24	C-24, 2'	Solid	01/24/24 11:46	01/25/24 08:54
880-38450-25	C-25, 2'	Solid	01/24/24 11:48	01/25/24 08:54
880-38450-26	C-26, 2'	Solid	01/24/24 11:50	01/25/24 08:54
880-38450-27	C-27, 2'	Solid	01/24/24 11:52	01/25/24 08:54
880-38450-28	C-28, 2'	Solid	01/24/24 11:54	01/25/24 08:54
880-38450-29	C-29, 2'	Solid	01/24/24 11:56	01/25/24 08:54
880-38450-30	C-30, 2'	Solid	01/24/24 11:58	01/25/24 08:54
880-38450-31	C-31, 2'	Solid	01/24/24 12:00	01/25/24 08:54
880-38450-32	C-32, 0-2'	Solid	01/24/24 12:02	01/25/24 08:54
880-38450-33	C-33, 0-2'	Solid	01/24/24 12:04	01/25/24 08:54
880-38450-34	C-34, 0-2'	Solid	01/24/24 12:06	01/25/24 08:54
880-38450-35	C-35, 0-2'	Solid	01/24/24 12:08	01/25/24 08:54
880-38450-36	C-36, 0-2'	Solid	01/24/24 12:10	01/25/24 08:54

30450 No. 3046

CHAIN-OF-CUSTODY

Arson & Associates, Inc. Environmental Consultants 507 N. Marienfeld, Ste. 202 Midland, TX 79701 432-687-0901				DATE <u>1/24/2024</u> PAGE <u>2</u> OF <u>3</u> PO# _____ LAB WORK ORDER# _____ PROJECT LOCATION OR NAME <u>Chamaleon State Com</u> LAI PROJECT # <u>23-0102-05</u> COLLECTOR <u>PN</u>							
Data Reported to		P=PAINT SL=SLUDGE OT=OTHER		# of Containers		PRESERVATION		ANALYSES		FIELD NOTES	
TRRP report? ☐ Yes ☒ No	S=SOIL W=WATER A=AIR	Time zone/State <u>MST / NM</u>	Date	Time	Matrix	HCl	HNO ₃	H ₂ SO ₄ NaOH	ICF	UNPRESERVED	
Field Sample ID	Lab #										
C-16,2'			1/24/24	1130	S				X	X	X
C-17,2'				1132							
C-18,2'				1134							
C-19,2'				1136							
C-20,2'				1138							
C-21,2'				1140							
C-22,2'				1142							
C-23,2'				1144							
C-24,2'				1146							
C-25,2'				1148							
C-26,2'				1150							
C-27,2'				1152							
C-28,2'				1154							
C-29,2'				1156							
C-30,2'				1158							
TOTAL											

LABORATORY USE ONLY:
 RECEIVING TEMP 4.5 THERM# 4.5
 CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

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

RECEIVED BY (Signature)
John White
 DATE/TIME 01/25/24 05:54

RECEIVED BY (Signature)
John White
 DATE/TIME 01/25/24 05:54

RECEIVED BY (Signature)
John White
 DATE/TIME 01/25/24 05:54

LABORATORY Xenoco

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-38450-1

SDG Number: 23-0102-05

Login Number: 38450

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/9/2024 10:21:49 AM

JOB DESCRIPTION

Chamaeleon State
23-0102-05

JOB NUMBER

880-41887-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

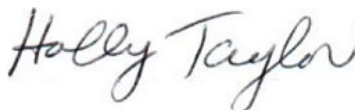
Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/9/2024 10:21:49 AM

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

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

Laboratory Job ID: 880-41887-1
SDG: 23-0102-05

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Definitions/Glossary

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

Job ID: 880-41887-1
SDG: 23-0102-05

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Larson & Associates, Inc.
Project: Chamaeleon State

Job ID: 880-41887-1

Job ID: 880-41887-1

Eurofins Midland

Job Narrative 880-41887-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 4/5/2024 10:38 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 -1.3°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C-12 3' (880-41887-1), C-19 3' (880-41887-2), C-37 6' (880-41887-3), C-38 6' (880-41887-4), C-39 6' (880-41887-5), C-40 0-6' (880-41887-6), C-41 0-6' (880-41887-7) and C-42 0-6' (880-41887-8).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-77466 and analytical batch 880-77432 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.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-77494/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: C-12 3' (880-41887-1), C-19 3' (880-41887-2), C-37 6' (880-41887-3), C-38 6' (880-41887-4), C-39 6' (880-41887-5), (880-41887-A-1-E MS) and (880-41887-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

Client Sample ID: C-12 3'

Lab Sample ID: 880-41887-1

Date Collected: 04/03/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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		04/05/24 11:21	04/05/24 13:35	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/05/24 11:21	04/05/24 13:35	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		04/05/24 11:21	04/05/24 13:35	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		04/05/24 11:21	04/05/24 13:35	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		04/05/24 11:21	04/05/24 13:35	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		04/05/24 11:21	04/05/24 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	04/05/24 11:21	04/05/24 13:35	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/05/24 11:21	04/05/24 13:35	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			04/05/24 13:35	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			04/05/24 21:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/05/24 13:49	04/05/24 21:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/05/24 13:49	04/05/24 21:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/05/24 13:49	04/05/24 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	148	S1+	70 - 130	04/05/24 13:49	04/05/24 21:52	1
o-Terphenyl (Surr)	133	S1+	70 - 130	04/05/24 13:49	04/05/24 21:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.0		5.02	mg/Kg			04/08/24 12:14	1

Client Sample ID: C-19 3'

Lab Sample ID: 880-41887-2

Date Collected: 04/03/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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		04/05/24 11:21	04/05/24 13:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 13:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 13:55	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		04/05/24 11:21	04/05/24 13:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 13:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/05/24 11:21	04/05/24 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/05/24 11:21	04/05/24 13:55	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/05/24 11:21	04/05/24 13:55	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

Client Sample ID: C-19 3'

Lab Sample ID: 880-41887-2

Date Collected: 04/03/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			04/05/24 13:55	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			04/05/24 22:55	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		04/05/24 13:49	04/05/24 22:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/05/24 13:49	04/05/24 22:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/05/24 13:49	04/05/24 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	154	S1+	70 - 130			04/05/24 13:49	04/05/24 22:55	1
o-Terphenyl (Surr)	134	S1+	70 - 130			04/05/24 13:49	04/05/24 22:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.4		5.01	mg/Kg			04/08/24 12:28	1

Client Sample ID: C-37 6'

Lab Sample ID: 880-41887-3

Date Collected: 04/03/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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		04/05/24 11:21	04/05/24 14:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 14:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 14:15	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		04/05/24 11:21	04/05/24 14:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 14:15	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/05/24 11:21	04/05/24 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			04/05/24 11:21	04/05/24 14:15	1
1,4-Difluorobenzene (Surr)	108		70 - 130			04/05/24 11:21	04/05/24 14:15	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			04/05/24 14:15	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			04/05/24 23:16	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	<49.8	U	49.8	mg/Kg		04/05/24 13:49	04/05/24 23:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		04/05/24 13:49	04/05/24 23:16	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

Client Sample ID: C-37 6'

Lab Sample ID: 880-41887-3

Date Collected: 04/03/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/05/24 13:49	04/05/24 23:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	143	S1+	70 - 130			04/05/24 13:49	04/05/24 23:16	1
o-Terphenyl (Surr)	123		70 - 130			04/05/24 13:49	04/05/24 23:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.04	mg/Kg			04/08/24 12:33	1

Client Sample ID: C-38 6'

Lab Sample ID: 880-41887-4

Date Collected: 04/03/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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		04/05/24 11:21	04/05/24 14:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/05/24 11:21	04/05/24 14:36	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/05/24 11:21	04/05/24 14:36	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		04/05/24 11:21	04/05/24 14:36	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/05/24 11:21	04/05/24 14:36	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/05/24 11:21	04/05/24 14:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			04/05/24 11:21	04/05/24 14:36	1
1,4-Difluorobenzene (Surr)	110		70 - 130			04/05/24 11:21	04/05/24 14:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/05/24 14:36	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			04/05/24 23:36	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		04/05/24 13:49	04/05/24 23:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		04/05/24 13:49	04/05/24 23:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/05/24 13:49	04/05/24 23:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	135	S1+	70 - 130			04/05/24 13:49	04/05/24 23:36	1
o-Terphenyl (Surr)	120		70 - 130			04/05/24 13:49	04/05/24 23:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.4		5.05	mg/Kg			04/08/24 12:48	1

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Client Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

Client Sample ID: C-39 6'

Lab Sample ID: 880-41887-5

Date Collected: 04/03/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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		04/05/24 11:21	04/05/24 14:56	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/05/24 11:21	04/05/24 14:56	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/05/24 11:21	04/05/24 14:56	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		04/05/24 11:21	04/05/24 14:56	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/05/24 11:21	04/05/24 14:56	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/05/24 11:21	04/05/24 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			04/05/24 11:21	04/05/24 14:56	1
1,4-Difluorobenzene (Surr)	107		70 - 130			04/05/24 11:21	04/05/24 14:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			04/05/24 14:56	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			04/05/24 23:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		04/05/24 13:49	04/05/24 23:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		04/05/24 13:49	04/05/24 23:57	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		04/05/24 13:49	04/05/24 23:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	132	S1+	70 - 130			04/05/24 13:49	04/05/24 23:57	1
o-Terphenyl (Surr)	114		70 - 130			04/05/24 13:49	04/05/24 23:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.9		4.95	mg/Kg			04/08/24 12:52	1

Client Sample ID: C-40 0-6'

Lab Sample ID: 880-41887-6

Date Collected: 04/04/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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		04/05/24 11:21	04/05/24 15:17	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/05/24 11:21	04/05/24 15:17	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		04/05/24 11:21	04/05/24 15:17	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		04/05/24 11:21	04/05/24 15:17	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		04/05/24 11:21	04/05/24 15:17	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		04/05/24 11:21	04/05/24 15:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			04/05/24 11:21	04/05/24 15:17	1
1,4-Difluorobenzene (Surr)	102		70 - 130			04/05/24 11:21	04/05/24 15:17	1

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Client Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

Client Sample ID: C-40 0-6'

Lab Sample ID: 880-41887-6

Date Collected: 04/04/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			04/05/24 15:17	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			04/06/24 00:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		04/05/24 13:49	04/06/24 00:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		04/05/24 13:49	04/06/24 00:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		04/05/24 13:49	04/06/24 00:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			04/05/24 13:49	04/06/24 00:18	1
o-Terphenyl (Surr)	98		70 - 130			04/05/24 13:49	04/06/24 00:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.5		4.99	mg/Kg			04/08/24 12:57	1

Client Sample ID: C-41 0-6'

Lab Sample ID: 880-41887-7

Date Collected: 04/04/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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		04/05/24 11:21	04/05/24 15:37	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/05/24 11:21	04/05/24 15:37	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/05/24 11:21	04/05/24 15:37	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		04/05/24 11:21	04/05/24 15:37	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/05/24 11:21	04/05/24 15:37	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/05/24 11:21	04/05/24 15:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			04/05/24 11:21	04/05/24 15:37	1
1,4-Difluorobenzene (Surr)	103		70 - 130			04/05/24 11:21	04/05/24 15:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/05/24 15:37	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			04/06/24 00:39	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		04/05/24 13:49	04/06/24 00:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/05/24 13:49	04/06/24 00:39	1

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Client Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

Client Sample ID: C-41 0-6'

Lab Sample ID: 880-41887-7

Date Collected: 04/04/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/05/24 13:49	04/06/24 00:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	102		70 - 130			04/05/24 13:49	04/06/24 00:39	1
o-Terphenyl (Surr)	94		70 - 130			04/05/24 13:49	04/06/24 00:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.3		5.00	mg/Kg			04/08/24 13:02	1

Client Sample ID: C-42 0-6'

Lab Sample ID: 880-41887-8

Date Collected: 04/04/24 00:00

Matrix: Solid

Date Received: 04/05/24 10:38

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		04/05/24 11:21	04/05/24 15:57	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/05/24 11:21	04/05/24 15:57	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/05/24 11:21	04/05/24 15:57	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		04/05/24 11:21	04/05/24 15:57	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/05/24 11:21	04/05/24 15:57	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		04/05/24 11:21	04/05/24 15:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			04/05/24 11:21	04/05/24 15:57	1
1,4-Difluorobenzene (Surr)	109		70 - 130			04/05/24 11:21	04/05/24 15:57	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			04/05/24 15:57	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			04/06/24 01:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/05/24 13:49	04/06/24 01:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/05/24 13:49	04/06/24 01:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/05/24 13:49	04/06/24 01:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130			04/05/24 13:49	04/06/24 01:00	1
o-Terphenyl (Surr)	101		70 - 130			04/05/24 13:49	04/06/24 01:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5		5.03	mg/Kg			04/08/24 13:07	1

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Surrogate Summary

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

Job ID: 880-41887-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-41887-1	C-12 3'	93	104				
880-41887-1 MS	C-12 3'	102	99				
880-41887-1 MSD	C-12 3'	108	102				
880-41887-2	C-19 3'	112	110				
880-41887-3	C-37 6'	111	108				
880-41887-4	C-38 6'	119	110				
880-41887-5	C-39 6'	115	107				
880-41887-6	C-40 0-6'	106	102				
880-41887-7	C-41 0-6'	116	103				
880-41887-8	C-42 0-6'	114	109				
LCS 880-77466/1-A	Lab Control Sample	105	108				
LCSD 880-77466/2-A	Lab Control Sample Dup	104	99				
MB 880-77466/5-A	Method Blank	148 S1+	121				
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	OTPH1				
		(70-130)	(70-130)				
880-41887-1	C-12 3'	148 S1+	133 S1+				
880-41887-1 MS	C-12 3'	143 S1+	119				
880-41887-1 MSD	C-12 3'	141 S1+	114				
880-41887-2	C-19 3'	154 S1+	134 S1+				
880-41887-3	C-37 6'	143 S1+	123				
880-41887-4	C-38 6'	135 S1+	120				
880-41887-5	C-39 6'	132 S1+	114				
880-41887-6	C-40 0-6'	111	98				
880-41887-7	C-41 0-6'	102	94				
880-41887-8	C-42 0-6'	110	101				
LCS 880-77494/2-A	Lab Control Sample	107	111				
LCSD 880-77494/3-A	Lab Control Sample Dup	89	90				
MB 880-77494/1-A	Method Blank	220 S1+	210 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

QC Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-77466/5-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 77432						Prep Batch: 77466			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 13:06	1	
Toluene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 13:06	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 13:06	1	
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		04/05/24 11:21	04/05/24 13:06	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/05/24 11:21	04/05/24 13:06	1	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/05/24 11:21	04/05/24 13:06	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130			04/05/24 11:21	04/05/24 13:06	1	
1,4-Difluorobenzene (Surr)	121		70 - 130			04/05/24 11:21	04/05/24 13:06	1	

Lab Sample ID: LCS 880-77466/1-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 77432						Prep Batch: 77466			
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.09786		mg/Kg		98	70 - 130	
Toluene		0.100	0.08523		mg/Kg		85	70 - 130	
Ethylbenzene		0.100	0.1022		mg/Kg		102	70 - 130	
m,p-Xylenes		0.200	0.2234		mg/Kg		112	70 - 130	
o-Xylene		0.100	0.09849		mg/Kg		98	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	105		70 - 130						
1,4-Difluorobenzene (Surr)	108		70 - 130						

Lab Sample ID: LCSD 880-77466/2-A						Client Sample ID: Lab Control Sample Dup				
Matrix: Solid						Prep Type: Total/NA				
Analysis Batch: 77432						Prep Batch: 77466				
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.09140		mg/Kg		91	70 - 130	7	35
Toluene		0.100	0.09039		mg/Kg		90	70 - 130	6	35
Ethylbenzene		0.100	0.1036		mg/Kg		104	70 - 130	1	35
m,p-Xylenes		0.200	0.2145		mg/Kg		107	70 - 130	4	35
o-Xylene		0.100	0.09415		mg/Kg		94	70 - 130	5	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	104		70 - 130							
1,4-Difluorobenzene (Surr)	99		70 - 130							

Lab Sample ID: 880-41887-1 MS						Client Sample ID: C-12 3'			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 77432						Prep Batch: 77466			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.08647		mg/Kg		86	70 - 130
Toluene	<0.00202	U	0.100	0.08452		mg/Kg		85	70 - 130

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QC Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

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

Lab Sample ID: 880-41887-1 MS
Matrix: Solid
Analysis Batch: 77432

Client Sample ID: C-12 3'
Prep Type: Total/NA
Prep Batch: 77466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.09597		mg/Kg		96	70 - 130
m,p-Xylenes	<0.00404	U	0.200	0.2070		mg/Kg		103	70 - 130
o-Xylene	<0.00202	U	0.100	0.08931		mg/Kg		89	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: 880-41887-1 MSD
Matrix: Solid
Analysis Batch: 77432

Client Sample ID: C-12 3'
Prep Type: Total/NA
Prep Batch: 77466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09831		mg/Kg		98	70 - 130	13	35
Toluene	<0.00202	U	0.100	0.09082		mg/Kg		91	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.100	0.09818		mg/Kg		98	70 - 130	2	35
m,p-Xylenes	<0.00404	U	0.200	0.2343		mg/Kg		117	70 - 130	12	35
o-Xylene	<0.00202	U	0.100	0.1035		mg/Kg		103	70 - 130	15	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	108		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-77494/1-A
Matrix: Solid
Analysis Batch: 77423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77494

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		04/05/24 13:49	04/05/24 20:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/05/24 13:49	04/05/24 20:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/05/24 13:49	04/05/24 20:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane (Surr)	220	S1+	70 - 130	04/05/24 13:49	04/05/24 20:49	1		
o-Terphenyl (Surr)	210	S1+	70 - 130	04/05/24 13:49	04/05/24 20:49	1		

Lab Sample ID: LCS 880-77494/2-A
Matrix: Solid
Analysis Batch: 77423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1097		mg/Kg		110	70 - 130

QC Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

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

Lab Sample ID: LCS 880-77494/2-A
Matrix: Solid
Analysis Batch: 77423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77494

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-77494/3-A
Matrix: Solid
Analysis Batch: 77423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 77494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1122		mg/Kg		112	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1035		mg/Kg		104	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	89		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: 880-41887-1 MS
Matrix: Solid
Analysis Batch: 77423

Client Sample ID: C-12 3'
Prep Type: Total/NA
Prep Batch: 77494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	859.4		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1164		mg/Kg		115	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	143	S1+	70 - 130
o-Terphenyl (Surr)	119		70 - 130

Lab Sample ID: 880-41887-1 MSD
Matrix: Solid
Analysis Batch: 77423

Client Sample ID: C-12 3'
Prep Type: Total/NA
Prep Batch: 77494

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	1000	843.3		mg/Kg		82	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1139		mg/Kg		112	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	141	S1+	70 - 130
o-Terphenyl (Surr)	114		70 - 130

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QC Sample Results

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

Job ID: 880-41887-1
SDG: 23-0102-05

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-77558/1-A

Matrix: Solid

Analysis Batch: 77576

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			04/08/24 10:52	1

Lab Sample ID: LCS 880-77558/2-A

Matrix: Solid

Analysis Batch: 77576

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.2		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-77558/3-A

Matrix: Solid

Analysis Batch: 77576

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	253.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-41887-1 MS

Matrix: Solid

Analysis Batch: 77576

Client Sample ID: C-12 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	39.0		251	291.1		mg/Kg		100	90 - 110

Lab Sample ID: 880-41887-1 MSD

Matrix: Solid

Analysis Batch: 77576

Client Sample ID: C-12 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	39.0		251	291.7		mg/Kg		101	90 - 110	0	20

QC Association Summary

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

Job ID: 880-41887-1
SDG: 23-0102-05

GC VOA

Analysis Batch: 77432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-1	C-12 3'	Total/NA	Solid	8021B	77466
880-41887-2	C-19 3'	Total/NA	Solid	8021B	77466
880-41887-3	C-37 6'	Total/NA	Solid	8021B	77466
880-41887-4	C-38 6'	Total/NA	Solid	8021B	77466
880-41887-5	C-39 6'	Total/NA	Solid	8021B	77466
880-41887-6	C-40 0-6'	Total/NA	Solid	8021B	77466
880-41887-7	C-41 0-6'	Total/NA	Solid	8021B	77466
880-41887-8	C-42 0-6'	Total/NA	Solid	8021B	77466
MB 880-77466/5-A	Method Blank	Total/NA	Solid	8021B	77466
LCS 880-77466/1-A	Lab Control Sample	Total/NA	Solid	8021B	77466
LCSD 880-77466/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	77466
880-41887-1 MS	C-12 3'	Total/NA	Solid	8021B	77466
880-41887-1 MSD	C-12 3'	Total/NA	Solid	8021B	77466

Prep Batch: 77466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-1	C-12 3'	Total/NA	Solid	5035	
880-41887-2	C-19 3'	Total/NA	Solid	5035	
880-41887-3	C-37 6'	Total/NA	Solid	5035	
880-41887-4	C-38 6'	Total/NA	Solid	5035	
880-41887-5	C-39 6'	Total/NA	Solid	5035	
880-41887-6	C-40 0-6'	Total/NA	Solid	5035	
880-41887-7	C-41 0-6'	Total/NA	Solid	5035	
880-41887-8	C-42 0-6'	Total/NA	Solid	5035	
MB 880-77466/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-77466/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-77466/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-41887-1 MS	C-12 3'	Total/NA	Solid	5035	
880-41887-1 MSD	C-12 3'	Total/NA	Solid	5035	

Analysis Batch: 77666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-1	C-12 3'	Total/NA	Solid	Total BTEX	
880-41887-2	C-19 3'	Total/NA	Solid	Total BTEX	
880-41887-3	C-37 6'	Total/NA	Solid	Total BTEX	
880-41887-4	C-38 6'	Total/NA	Solid	Total BTEX	
880-41887-5	C-39 6'	Total/NA	Solid	Total BTEX	
880-41887-6	C-40 0-6'	Total/NA	Solid	Total BTEX	
880-41887-7	C-41 0-6'	Total/NA	Solid	Total BTEX	
880-41887-8	C-42 0-6'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 77423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-1	C-12 3'	Total/NA	Solid	8015B NM	77494
880-41887-2	C-19 3'	Total/NA	Solid	8015B NM	77494
880-41887-3	C-37 6'	Total/NA	Solid	8015B NM	77494
880-41887-4	C-38 6'	Total/NA	Solid	8015B NM	77494
880-41887-5	C-39 6'	Total/NA	Solid	8015B NM	77494
880-41887-6	C-40 0-6'	Total/NA	Solid	8015B NM	77494

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QC Association Summary

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

Job ID: 880-41887-1
SDG: 23-0102-05

GC Semi VOA (Continued)

Analysis Batch: 77423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-7	C-41 0-6'	Total/NA	Solid	8015B NM	77494
880-41887-8	C-42 0-6'	Total/NA	Solid	8015B NM	77494
MB 880-77494/1-A	Method Blank	Total/NA	Solid	8015B NM	77494
LCS 880-77494/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	77494
LCSD 880-77494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	77494
880-41887-1 MS	C-12 3'	Total/NA	Solid	8015B NM	77494
880-41887-1 MSD	C-12 3'	Total/NA	Solid	8015B NM	77494

Prep Batch: 77494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-1	C-12 3'	Total/NA	Solid	8015NM Prep	
880-41887-2	C-19 3'	Total/NA	Solid	8015NM Prep	
880-41887-3	C-37 6'	Total/NA	Solid	8015NM Prep	
880-41887-4	C-38 6'	Total/NA	Solid	8015NM Prep	
880-41887-5	C-39 6'	Total/NA	Solid	8015NM Prep	
880-41887-6	C-40 0-6'	Total/NA	Solid	8015NM Prep	
880-41887-7	C-41 0-6'	Total/NA	Solid	8015NM Prep	
880-41887-8	C-42 0-6'	Total/NA	Solid	8015NM Prep	
MB 880-77494/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-77494/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-77494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-41887-1 MS	C-12 3'	Total/NA	Solid	8015NM Prep	
880-41887-1 MSD	C-12 3'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 77649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-1	C-12 3'	Total/NA	Solid	8015 NM	
880-41887-2	C-19 3'	Total/NA	Solid	8015 NM	
880-41887-3	C-37 6'	Total/NA	Solid	8015 NM	
880-41887-4	C-38 6'	Total/NA	Solid	8015 NM	
880-41887-5	C-39 6'	Total/NA	Solid	8015 NM	
880-41887-6	C-40 0-6'	Total/NA	Solid	8015 NM	
880-41887-7	C-41 0-6'	Total/NA	Solid	8015 NM	
880-41887-8	C-42 0-6'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 77558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-1	C-12 3'	Soluble	Solid	DI Leach	
880-41887-2	C-19 3'	Soluble	Solid	DI Leach	
880-41887-3	C-37 6'	Soluble	Solid	DI Leach	
880-41887-4	C-38 6'	Soluble	Solid	DI Leach	
880-41887-5	C-39 6'	Soluble	Solid	DI Leach	
880-41887-6	C-40 0-6'	Soluble	Solid	DI Leach	
880-41887-7	C-41 0-6'	Soluble	Solid	DI Leach	
880-41887-8	C-42 0-6'	Soluble	Solid	DI Leach	
MB 880-77558/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-77558/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-77558/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-41887-1 MS	C-12 3'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

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

Job ID: 880-41887-1
SDG: 23-0102-05

HPLC/IC (Continued)

Leach Batch: 77558 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-1 MSD	C-12 3'	Soluble	Solid	DI Leach	

Analysis Batch: 77576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-41887-1	C-12 3'	Soluble	Solid	300.0	77558
880-41887-2	C-19 3'	Soluble	Solid	300.0	77558
880-41887-3	C-37 6'	Soluble	Solid	300.0	77558
880-41887-4	C-38 6'	Soluble	Solid	300.0	77558
880-41887-5	C-39 6'	Soluble	Solid	300.0	77558
880-41887-6	C-40 0-6'	Soluble	Solid	300.0	77558
880-41887-7	C-41 0-6'	Soluble	Solid	300.0	77558
880-41887-8	C-42 0-6'	Soluble	Solid	300.0	77558
MB 880-77558/1-A	Method Blank	Soluble	Solid	300.0	77558
LCS 880-77558/2-A	Lab Control Sample	Soluble	Solid	300.0	77558
LCSD 880-77558/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	77558
880-41887-1 MS	C-12 3'	Soluble	Solid	300.0	77558
880-41887-1 MSD	C-12 3'	Soluble	Solid	300.0	77558

Lab Chronicle

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

Job ID: 880-41887-1
SDG: 23-0102-05

Client Sample ID: C-12 3'
Date Collected: 04/03/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-1
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	77466	04/05/24 11:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77432	04/05/24 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77666	04/05/24 13:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			77649	04/05/24 21:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	77494	04/05/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77423	04/05/24 21:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	77558	04/08/24 07:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77576	04/08/24 12:14	SMC	EET MID

Client Sample ID: C-19 3'
Date Collected: 04/03/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-2
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			5.00 g	5 mL	77466	04/05/24 11:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77432	04/05/24 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77666	04/05/24 13:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			77649	04/05/24 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	77494	04/05/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77423	04/05/24 22:55	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	77558	04/08/24 07:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77576	04/08/24 12:28	SMC	EET MID

Client Sample ID: C-37 6'
Date Collected: 04/03/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-3
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	77466	04/05/24 11:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77432	04/05/24 14:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77666	04/05/24 14:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			77649	04/05/24 23:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	77494	04/05/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77423	04/05/24 23:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	77558	04/08/24 07:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77576	04/08/24 12:33	SMC	EET MID

Client Sample ID: C-38 6'
Date Collected: 04/03/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	77466	04/05/24 11:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77432	04/05/24 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77666	04/05/24 14:36	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-41887-1
SDG: 23-0102-05

Client Sample ID: C-38 6'
Date Collected: 04/03/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			77649	04/05/24 23:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	77494	04/05/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77423	04/05/24 23:36	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	77558	04/08/24 07:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77576	04/08/24 12:48	SMC	EET MID

Client Sample ID: C-39 6'
Date Collected: 04/03/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	77466	04/05/24 11:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77432	04/05/24 14:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77666	04/05/24 14:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			77649	04/05/24 23:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	77494	04/05/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77423	04/05/24 23:57	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	77558	04/08/24 07:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77576	04/08/24 12:52	SMC	EET MID

Client Sample ID: C-40 0-6'
Date Collected: 04/04/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	77466	04/05/24 11:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77432	04/05/24 15:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77666	04/05/24 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			77649	04/06/24 00:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	77494	04/05/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77423	04/06/24 00:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	77558	04/08/24 07:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77576	04/08/24 12:57	SMC	EET MID

Client Sample ID: C-41 0-6'
Date Collected: 04/04/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	77466	04/05/24 11:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77432	04/05/24 15:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77666	04/05/24 15:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			77649	04/06/24 00:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	77494	04/05/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77423	04/06/24 00:39	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-41887-1
SDG: 23-0102-05

Client Sample ID: C-41 0-6'
Date Collected: 04/04/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	77558	04/08/24 07:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77576	04/08/24 13:02	SMC	EET MID

Client Sample ID: C-42 0-6'
Date Collected: 04/04/24 00:00
Date Received: 04/05/24 10:38

Lab Sample ID: 880-41887-8
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			5.05 g	5 mL	77466	04/05/24 11:21	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77432	04/05/24 15:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			77666	04/05/24 15:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			77649	04/06/24 01:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	77494	04/05/24 13:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	77423	04/06/24 01:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	77558	04/08/24 07:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	77576	04/08/24 13:07	SMC	EET MID

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

Accreditation/Certification Summary

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

Job ID: 880-41887-1
SDG: 23-0102-05

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	T104704400-23-26	06-30-24
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 State

Job ID: 880-41887-1
SDG: 23-0102-05

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 State

Job ID: 880-41887-1
SDG: 23-0102-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-41887-1	C-12 3'	Solid	04/03/24 00:00	04/05/24 10:38
880-41887-2	C-19 3'	Solid	04/03/24 00:00	04/05/24 10:38
880-41887-3	C-37 6'	Solid	04/03/24 00:00	04/05/24 10:38
880-41887-4	C-38 6'	Solid	04/03/24 00:00	04/05/24 10:38
880-41887-5	C-39 6'	Solid	04/03/24 00:00	04/05/24 10:38
880-41887-6	C-40 0-6'	Solid	04/04/24 00:00	04/05/24 10:38
880-41887-7	C-41 0-6'	Solid	04/04/24 00:00	04/05/24 10:38
880-41887-8	C-42 0-6'	Solid	04/04/24 00:00	04/05/24 10:38

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

Data Reported to

DATE 4/4/2024 PAGE 1 OF 1
PO# _____ LAB WORK ORDER# _____
PROJECT LOCATION OR NAME Chambliss State
LAI PROJECT # 23-0102-65 COLLECTOR DSG

410871 No. 3073
CHAIN-OF-CUSTODY

TRRP report? ☐ Yes ☒ No	S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	PRESERVATION HCl HNO ₃ H ₂ SO ₄ ☐ NaOH ☐ ICE UNPRESERVED		ANALYSES BTEX ☒ MTBE ☐ TPH 418 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☒ DIESEL - MOD 8015 ☒ OIL - MOD 8015 ☒ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ TCIP - METALS (RCRA) ☐ TCIP VOC ☐ TCIP - PEST ☐ HERB ☐ Semi-VOC ☐ TOTAL METALS (RCRA) ☐ OTHER LIST ☐ LEAD - TOTAL ☐ D W 2008 ☐ TCIP ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ PH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PECTHLOATE ☐ CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	
TIME ZONE Time zone/State MNT / NMT	Lab #	Date	Time	Matrix	# of Containers	
Field Sample ID						
C-12 3		4/3/24		S	1	
C-19 3		4/3/24				
C-37 6		4/3/24				
C-38 6		4/3/24				
C-39 6		4/3/24				
C-40 0-6		4/4/24				
C-41 0-6		4/4/24				
C-42 0-6		4/4/24				
TOTAL 8						
RELINQUISHED BY (Signature) <u>Daniel Williams</u>	DATE/TIME <u>4/5/24 1034</u>	RECEIVED BY (Signature) <u>[Signature]</u>	TURN AROUND TIME NORMAL ☐ 1 DAY ☐ 2 DAY ☒ OTHER ☐			
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	LABORATORY USE ONLY: RECEIVING TEMP <u>1.2</u> THERM# <u>IR8</u> CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # _____ ☐ HAND DELIVERED			
RELINQUISHED BY (Signature) <u>Yance</u>	DATE/TIME	RECEIVED BY (Signature)				
LABORATORY	880-41887 Chain of Custody					

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-41887-1

SDG Number: 23-0102-05

Login Number: 41887

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/22/2024 8:19:04 PM

JOB DESCRIPTION

Chamaeleon State Com
23-0102-05

JOB NUMBER

880-42401-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



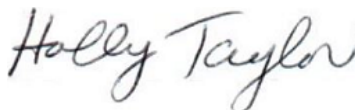
Eurofins Midland

Job Notes

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

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

Authorization



Generated
4/22/2024 8:19:04 PM

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

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

Laboratory Job ID: 880-42401-1
SDG: 23-0102-05

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Definitions/Glossary

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

Job ID: 880-42401-1
SDG: 23-0102-05

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

Case Narrative

Client: Larson & Associates, Inc.
Project: Chamaeleon State Com

Job ID: 880-42401-1

Job ID: 880-42401-1

Eurofins Midland

Job Narrative 880-42401-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 4/18/2024 8:49 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 4.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BF-1 (880-42401-1) and BF-2 (880-42401-2).

GC VOA

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-78514 and analytical batch 880-78565 recovered outside control limits for the following analytes: m,p-Xylenes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-78565 recovered above the upper control limit for m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-78565/20).

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-78514/1-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-78632 and analytical batch 880-78691 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-78632 and analytical batch 880-78691 contained Gasoline Range Organics (GRO)-C6-C10 and 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.

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 Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78673 and analytical batch 880-78689 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.

BF-1 (880-42401-1) and BF-2 (880-42401-2)

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

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Client Sample Results

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

Job ID: 880-42401-1
SDG: 23-0102-05

Client Sample ID: BF-1

Lab Sample ID: 880-42401-1

Date Collected: 04/15/24 08:45

Matrix: Solid

Date Received: 04/18/24 08:49

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		04/18/24 11:28	04/18/24 18:09	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/18/24 11:28	04/18/24 18:09	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/18/24 11:28	04/18/24 18:09	1
m,p-Xylenes	<0.00398	U **	0.00398	mg/Kg		04/18/24 11:28	04/18/24 18:09	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/18/24 11:28	04/18/24 18:09	1
Xylenes, Total	<0.00398	U **	0.00398	mg/Kg		04/18/24 11:28	04/18/24 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	04/18/24 11:28	04/18/24 18:09	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/18/24 11:28	04/18/24 18:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/18/24 18:09	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			04/19/24 11:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/18/24 12:54	04/19/24 11:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/18/24 12:54	04/19/24 11:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/18/24 12:54	04/19/24 11:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	127		70 - 130	04/18/24 12:54	04/19/24 11:31	1
o-Terphenyl (Surr)	107		70 - 130	04/18/24 12:54	04/19/24 11:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		49.8	mg/Kg			04/19/24 00:53	10

Client Sample ID: BF-2

Lab Sample ID: 880-42401-2

Date Collected: 04/15/24 08:47

Matrix: Solid

Date Received: 04/18/24 08:49

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		04/18/24 11:28	04/18/24 18:30	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/18/24 11:28	04/18/24 18:30	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/18/24 11:28	04/18/24 18:30	1
m,p-Xylenes	<0.00402	U **	0.00402	mg/Kg		04/18/24 11:28	04/18/24 18:30	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/18/24 11:28	04/18/24 18:30	1
Xylenes, Total	<0.00402	U **	0.00402	mg/Kg		04/18/24 11:28	04/18/24 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	04/18/24 11:28	04/18/24 18:30	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/18/24 11:28	04/18/24 18:30	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-42401-1
SDG: 23-0102-05

Client Sample ID: BF-2

Lab Sample ID: 880-42401-2

Date Collected: 04/15/24 08:47

Matrix: Solid

Date Received: 04/18/24 08:49

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			04/18/24 18:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			04/19/24 11:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		04/18/24 12:54	04/19/24 11:52	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		04/18/24 12:54	04/19/24 11:52	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		04/18/24 12:54	04/19/24 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	125		70 - 130	04/18/24 12:54	04/19/24 11:52	1
o-Terphenyl (Surr)	108		70 - 130	04/18/24 12:54	04/19/24 11:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		50.1	mg/Kg			04/19/24 01:07	10

Surrogate Summary

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

Job ID: 880-42401-1
SDG: 23-0102-05

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)
880-42401-1	BF-1	86	95
880-42401-2	BF-2	85	93
LCS 880-78514/1-A	Lab Control Sample	131 S1+	100
LCSD 880-78514/2-A	Lab Control Sample Dup	126	111
MB 880-78514/5-A	Method Blank	78	97
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)
880-42401-1	BF-1	127	107
880-42401-2	BF-2	125	108
LCS 880-78632/2-A	Lab Control Sample	106	107
LCSD 880-78632/3-A	Lab Control Sample Dup	119	117
MB 880-78632/1-A	Method Blank	154 S1+	136 S1+
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

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

Job ID: 880-42401-1
SDG: 23-0102-05

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-78514/5-A

Matrix: Solid

Analysis Batch: 78565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78514

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/17/24 14:28	04/18/24 11:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/17/24 14:28	04/18/24 11:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/17/24 14:28	04/18/24 11:58	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		04/17/24 14:28	04/18/24 11:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/17/24 14:28	04/18/24 11:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/17/24 14:28	04/18/24 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	04/17/24 14:28	04/18/24 11:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/17/24 14:28	04/18/24 11:58	1

Lab Sample ID: LCS 880-78514/1-A

Matrix: Solid

Analysis Batch: 78565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09956		mg/Kg		100	70 - 130
Toluene	0.100	0.1026		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1156		mg/Kg		116	70 - 130
m,p-Xylenes	0.200	0.2686	*+	mg/Kg		134	70 - 130
o-Xylene	0.100	0.1296		mg/Kg		130	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-78514/2-A

Matrix: Solid

Analysis Batch: 78565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78514

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09818		mg/Kg		98	70 - 130	1	35
Toluene	0.100	0.09842		mg/Kg		98	70 - 130	4	35
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130	5	35
m,p-Xylenes	0.200	0.2571		mg/Kg		129	70 - 130	4	35
o-Xylene	0.100	0.1255		mg/Kg		126	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Eurofins Midland

QC Sample Results

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

Job ID: 880-42401-1
SDG: 23-0102-05

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

Lab Sample ID: MB 880-78632/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 78691						Prep Batch: 78632			
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		04/18/24 12:54	04/19/24 07:57	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/18/24 12:54	04/19/24 07:57	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/18/24 12:54	04/19/24 07:57	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	154	S1+	70 - 130			04/18/24 12:54	04/19/24 07:57	1	
o-Terphenyl (Surr)	136	S1+	70 - 130			04/18/24 12:54	04/19/24 07:57	1	

Lab Sample ID: LCS 880-78632/2-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 78691						Prep Batch: 78632			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1030		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	907.7		mg/Kg		91	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	106		70 - 130						
o-Terphenyl (Surr)	107		70 - 130						

Lab Sample ID: LCSD 880-78632/3-A						Client Sample ID: Lab Control Sample Dup			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 78691						Prep Batch: 78632			
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1035		mg/Kg		103	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1102		mg/Kg		110	70 - 130	19	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	119		70 - 130						
o-Terphenyl (Surr)	117		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78673/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Soluble			
Analysis Batch: 78689									
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	mg/Kg			04/19/24 00:10	1	

QC Sample Results

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

Job ID: 880-42401-1
SDG: 23-0102-05

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-78673/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 78689									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	255.9		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-78673/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 78689									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.3		mg/Kg		103	90 - 110	0	20

QC Association Summary

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

Job ID: 880-42401-1
SDG: 23-0102-05

GC VOA

Prep Batch: 78514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42401-1	BF-1	Total/NA	Solid	5035	
880-42401-2	BF-2	Total/NA	Solid	5035	
MB 880-78514/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78514/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78514/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 78565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42401-1	BF-1	Total/NA	Solid	8021B	78514
880-42401-2	BF-2	Total/NA	Solid	8021B	78514
MB 880-78514/5-A	Method Blank	Total/NA	Solid	8021B	78514
LCS 880-78514/1-A	Lab Control Sample	Total/NA	Solid	8021B	78514
LCSD 880-78514/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78514

Analysis Batch: 78795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42401-1	BF-1	Total/NA	Solid	Total BTEX	
880-42401-2	BF-2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 78632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42401-1	BF-1	Total/NA	Solid	8015NM Prep	
880-42401-2	BF-2	Total/NA	Solid	8015NM Prep	
MB 880-78632/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78632/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78632/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 78691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42401-1	BF-1	Total/NA	Solid	8015B NM	78632
880-42401-2	BF-2	Total/NA	Solid	8015B NM	78632
MB 880-78632/1-A	Method Blank	Total/NA	Solid	8015B NM	78632
LCS 880-78632/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78632
LCSD 880-78632/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78632

Analysis Batch: 78999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42401-1	BF-1	Total/NA	Solid	8015 NM	
880-42401-2	BF-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 78673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42401-1	BF-1	Soluble	Solid	DI Leach	
880-42401-2	BF-2	Soluble	Solid	DI Leach	
MB 880-78673/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78673/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78673/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

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

Job ID: 880-42401-1
SDG: 23-0102-05

HPLC/IC

Analysis Batch: 78689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-42401-1	BF-1	Soluble	Solid	300.0	78673
880-42401-2	BF-2	Soluble	Solid	300.0	78673
MB 880-78673/1-A	Method Blank	Soluble	Solid	300.0	78673
LCS 880-78673/2-A	Lab Control Sample	Soluble	Solid	300.0	78673
LCSD 880-78673/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78673

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Lab Chronicle

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

Job ID: 880-42401-1
SDG: 23-0102-05

Client Sample ID: BF-1
Date Collected: 04/15/24 08:45
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42401-1
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			5.02 g	5 mL	78514	04/18/24 11:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78565	04/18/24 18:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78795	04/18/24 18:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			78999	04/19/24 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78632	04/18/24 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78691	04/19/24 11:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78673	04/18/24 16:50	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78689	04/19/24 00:53	SMC	EET MID

Client Sample ID: BF-2
Date Collected: 04/15/24 08:47
Date Received: 04/18/24 08:49

Lab Sample ID: 880-42401-2
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	78514	04/18/24 11:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78565	04/18/24 18:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78795	04/18/24 18:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			78999	04/19/24 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	78632	04/18/24 12:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78691	04/19/24 11:52	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78673	04/18/24 16:50	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78689	04/19/24 01:07	SMC	EET MID

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

Accreditation/Certification Summary

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

Job ID: 880-42401-1
SDG: 23-0102-05

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	T104704400-23-26	06-30-24
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 State Com

Job ID: 880-42401-1
SDG: 23-0102-05

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 State Com

Job ID: 880-42401-1
SDG: 23-0102-05

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-42401-1	BF-1	Solid	04/15/24 08:45	04/18/24 08:49
880-42401-2	BF-2	Solid	04/15/24 08:47	04/18/24 08:49

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No. 3305

CHAIN-OF-CUSTODY



880-42401 Chain of Custody

Arson & Associates, Inc.
Environmental Consultants

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

Data Reported to

TRRP report?
☐ Yes ☒ No

TIME ZONE
Time zone/State

Field
Sample ID

Lab #

Date

Time

Matrix

of Containers

PRESERVATION

HCl

HNO₃

H₂SO₄

NaOH

UNPRESERVED

S=SOIL
W=WATER
A=AIR

P=PAINT
SL=SLUDGE
OT=OTHER

DATE

PO#

PROJECT LOCATION OR NAME

LAI PROJECT #

COLLECTOR

DATE

LAB WORK ORDER#

PAGE

OF

1

2

3

4

5

6

7

8

9

10

11

12

13

14

TOTAL

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

RELINQUISHED BY (Signature)

DATE/TIME

RECEIVED BY (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP

THERM#

CUSTODY SEALS -

BROKEN

INTACT

NOT USED

CARRIER BILL #

HAND DELIVERED

LABORATORY

Xenoco

Login Sample Receipt Checklist

Client: Larson & Associates, Inc.

Job Number: 880-42401-1
SDG Number: 23-0102-05

Login Number: 42401
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

Tracking Number: nAPP2313648339
Remediation and Closure Report – Produced Water Release
Chevron USA Inc., Chamaeleon BIN State Com Battery
April 30, 2024

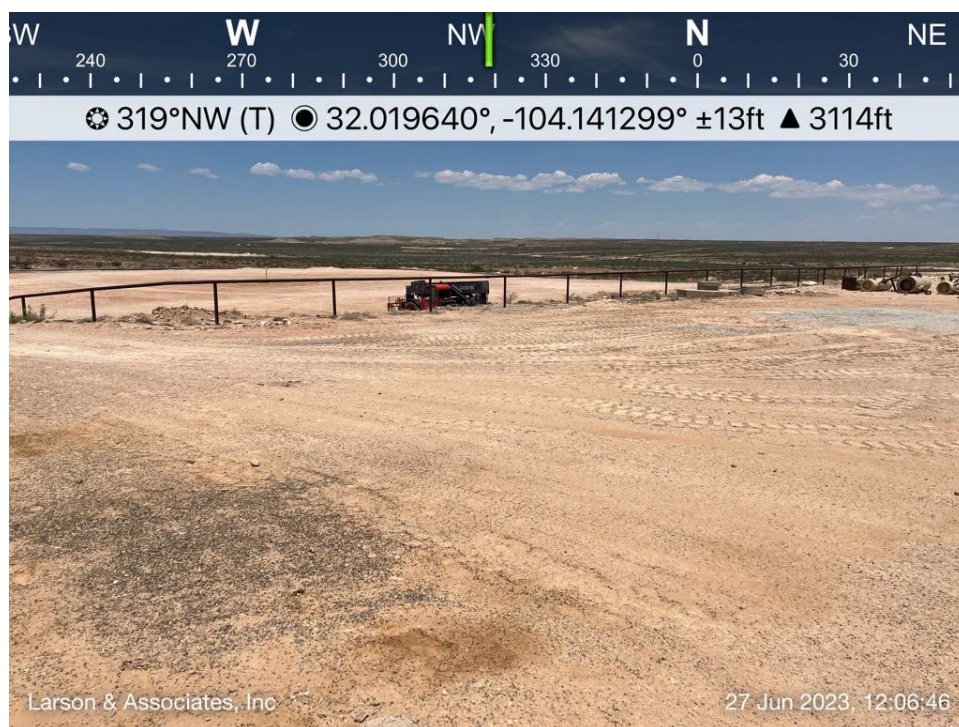


Impacted area viewing south, June 27, 2023



Impacted area viewing west, June 27, 2023

Tracking Number: nAPP2313648339
Remediation and Closure Report – Produced Water Release
Chevron USA Inc., Chamaeleon BIN State Com Battery
April 30, 2024

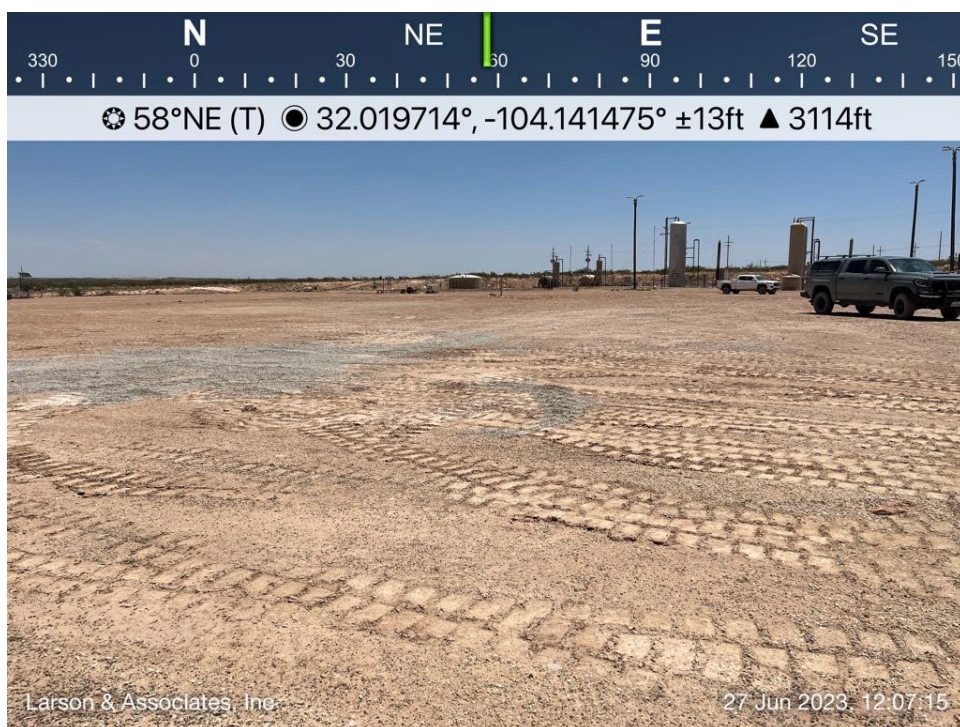


Impacted area viewing northwest, June 27, 2023



Impacted area viewing north, June 27, 2023

Tracking Number: nAPP2313648339
Remediation and Closure Report – Produced Water Release
Chevron USA Inc., Chamaeleon BIN State Com Battery
April 30, 2024

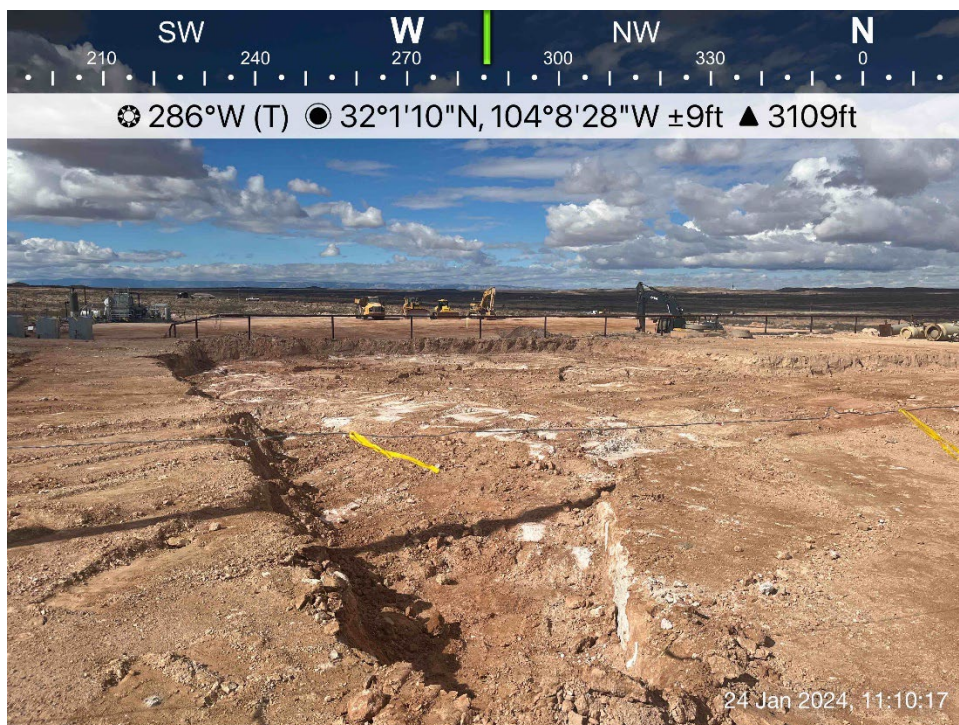


Impacted area viewing northeast, June 27, 2023



Impacted area viewing southeast, June 27, 2023

Tracking Number: nAPP2313648339
Remediation and Closure Report – Produced Water Release
Chevron USA Inc., Chamaeleon BIN State Com Battery
April 30, 2024

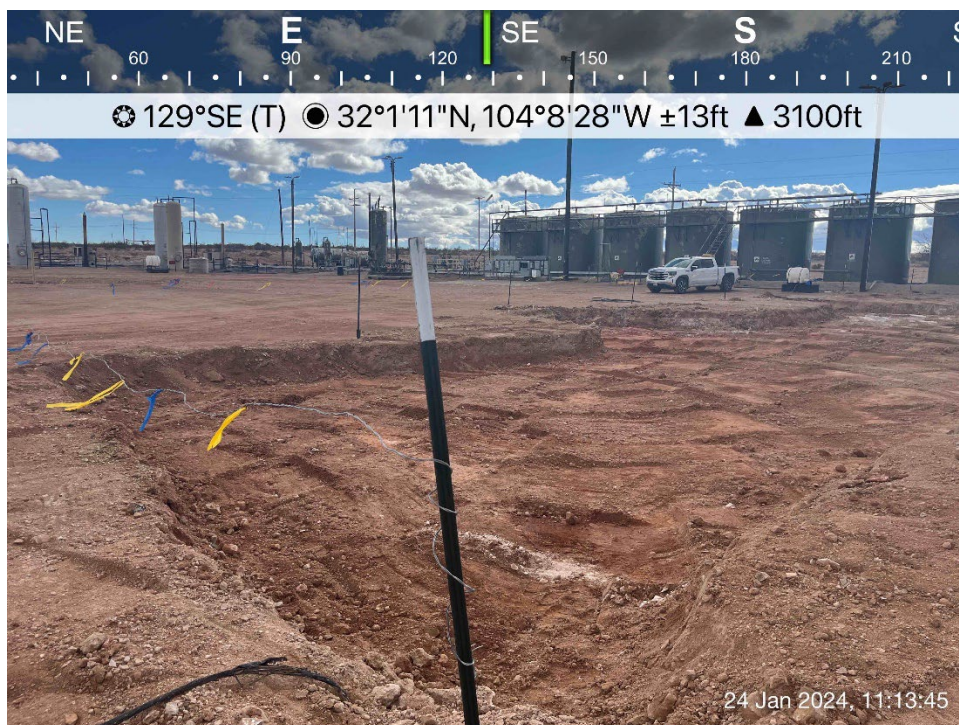


Excavated area viewing west, January 24, 2024



Excavated area viewing northeast, January 24, 2024

Tracking Number: nAPP2313648339
Remediation and Closure Report – Produced Water Release
Chevron USA Inc., Chamaeleon BIN State Com Battery
April 30, 2024

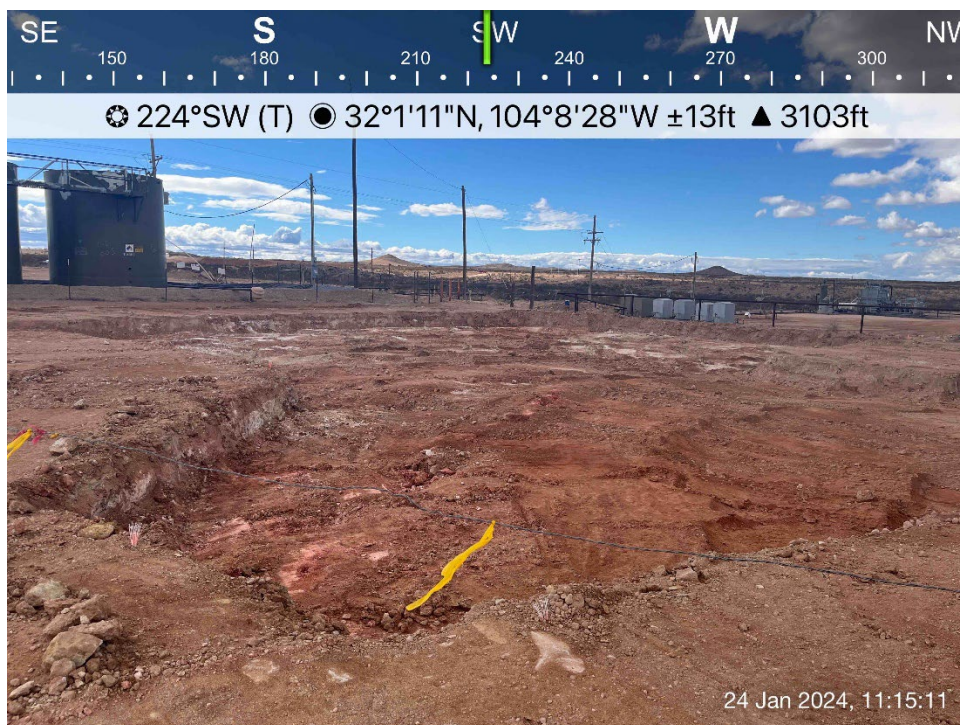


Excavated area viewing southeast, January 24, 2024



Excavated area viewing southwest, January 2, 2024

Tracking Number: nAPP2313648339
Remediation and Closure Report – Produced Water Release
Chevron USA Inc., Chamaeleon BIN State Com Battery
April 30, 2024



Excavated area viewing southwest, January 24, 2024



Additional excavated soil encompassing C-12 and C-19 viewing northwest, April 15, 2024

Tracking Number: nAPP2313648339
Remediation and Closure Report – Produced Water Release
Chevron USA Inc., Chamaeleon BIN State Com Battery
April 30, 2024



Excavated area encompassing S-9 to a depth of 6 feet viewing west, April 15, 2024



Backfilled excavation viewing southeast, April 19, 2024

Tracking Number: nAPP2313648339
Remediation and Closure Report – Produced Water Release
Chevron USA Inc., Chamaeleon BIN State Com Battery
April 30, 2024



Backfilled excavation viewing east, April 15, 2024



Backfilled excavation viewing northwest, April 15, 2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342184

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	342184
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313648339
Incident Name	NAPP2313648339 CHAMAELEON BIN STATE COM BATTERY @ 0
Incident Type	Produced Water Release
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	05/06/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Valve Produced Water Released: 11 BBL Recovered: 0 BBL Lost: 11 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I
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Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 342184

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	342184
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/08/2024

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

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QUESTIONS, Page 3

Action 342184

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	342184
	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 ½ and 1 (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 ½ and 1 (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	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 500 and 1000 (ft.)
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)	7910
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1330
GRO+DRO	(EPA SW-846 Method 8015M)	1330
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	01/22/2024
On what date will (or did) the final sampling or liner inspection occur	04/03/2024
On what date will (or was) the remediation complete(d)	04/03/2024
What is the estimated surface area (in square feet) that will be reclaimed	6624
What is the estimated volume (in cubic yards) that will be reclaimed	702
What is the estimated surface area (in square feet) that will be remediated	6624
What is the estimated volume (in cubic yards) that will be remediated	600

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

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

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QUESTIONS, Page 4

Action 342184

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:	4323
	Action Number:	342184
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 Artesia LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/08/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 342184

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 342184
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 342184

QUESTIONS (continued)

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	Action Number:	342184
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	328267
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/03/2024
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	3000

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	6624
What was the total volume (cubic yards) remediated	600
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	6624
What was the total volume (in cubic yards) reclaimed	720
Summarize any additional remediation activities not included by answers (above)	Spill was contained to pad

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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/08/2024
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Action 342184

QUESTIONS (continued)

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	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 342184

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID:
	4323
	Action Number:
	342184
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	5/24/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	5/24/2024